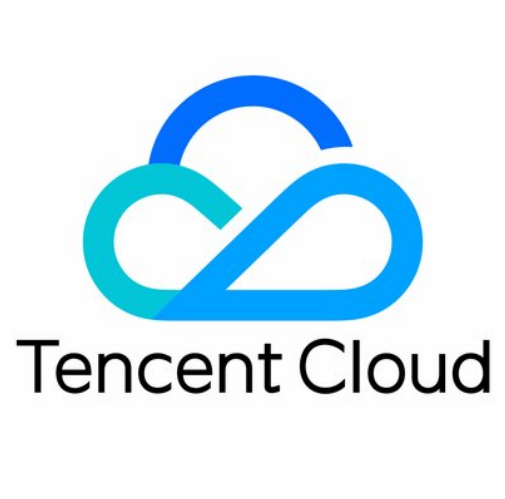
Cloud Infinite

API Documentation

Product Documentation



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Contents

API Documentation
- Common Request Headers
- Common Response Headers
- Bucket Configuration
  - Binding CI
  - Querying CI
  - Unbinding CI
  - Querying Hotlink Protection
  - Setting Hotlink Protection
  - Enabling Original Image Protection
  - Querying Original Image Protection Status
  - Disabling Original Image Protection
- Image Processing
  - Basic Image Processing
    - Scaling
    - Cropping
    - Rotation
    - Converting Format
    - Quality Change
    - Gaussian Blurring
    - Adjusting Brightness
    - Adjusting Contrast
    - Sharpening
    - Grayscale Image
    - Image Watermarking
    - Text Watermarking
    - Obtaining Basic Image Information
    - Obtaining Image EXIF
    - Obtaining Image's Average Hue
    - Removing Image Metadata
    - Quick Thumbnail Template
    - Pipeline Operators
    - Image Size Limiting
    - Supported Fonts
  - Image Styles

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- Adding Style
- Querying Style
- Deleting Style
- Image Compression
  - Guetzli Compression
    - Enabling Guetzli Compression
    - Querying Guetzli Status
    - Disabling Guetzli Compression
  - WebP Compression
  - HEIF Compression
  - TPG Compression
  - AVIF Compression
  - Advanced Compression
  - SVG Compression
- Persistent Image Processing
- Blind Watermarking
- Abnormal Image Detection
- Queue APIs
  - Querying Queue
  - Updating Queue

AI-Based Content Recognition

- Face Recognition
  - Face Filter
- FaceID
  - ID Card Recognition
- Image OCR
  - OCR
- Speech Recognition
  - Job APIs
    - Submitting Speech Recognition Job
    - Querying Specified Speech Recognition Job
    - Pulling Speech Recognition Jobs in Batches
  - Queue APIs
    - Querying Speech Recognition Queue
    - Updating Speech Recognition Queue
- Search by Image
  - Enabling Search by Image
  - Adding Images to a Library

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Search by Image APIs
Deleting Library Images
Queue APIs
Querying Queue
Updating Queue
Service Configuration
Enabling AI-Based Content Recognition
Querying AI-Based Content Recognition
Smart Audio
Smart Audio API List
Speech Bucket APIs
Querying Speech Recognition Activation Status
Media Processing
Media Processing API List
Media Processing Service Configuration APIs
Querying Media Processing Service
Binding Media Processing Service
Unbinding Media Processing Service
Media Bucket APIs
Querying Media Processing Activation Status
Activating Media Processing
CreateMediaBucket
Queue APIs
Searching for Media Processing Queue
Updating Media Processing Queue
Sync Media Processing Service
Getting Media Screenshot
Getting Media File Screenshot
Getting Media File Screenshot (CI Domain Name)
GenerateSnapshot
Getting Media Information
Getting Media File Information
Private M3U8
GetPrivateM3U8
Content Moderation
Audio Moderation
Submitting Audio Moderation Task
Text Moderation

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Synchronized Moderation of Text Content
File Preview
Querying File Preview Feature Status
File Transcoding
Sync Request API
Async Processing Job APIs
Submitting File Transcoding Job
Querying Specified File Transcoding Job
Pulling Eligible File Transcoding Jobs
Async Processing Queue APIs
Querying File Transcoding Queue
Updating File Transcoding Queue
File-to-HTML Conversion
Getting Started
Custom Configuration Overview
Configuration Item Description
Advanced Features
Release Notes
File Processing
Hash Calculation
Sync Request for Hash Calculation
Submitting Hash Calculation Job
Querying Hash Calculation Result
File Decompression
Submitting File Decompression Job
Querying File Decompression Result
Multi-File Zipping
Submitting Multi-File Zipping Job
Querying Multi-File Zipping Result
Job and Workflow
Workflow APIs
Create a workflow
Querying Workflow
Deleting Workflow
Updating Workflow
Testing Workflow
Workflow Callback
Workflow Instance

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- Getting Workflow Instance Details
- Getting Workflow Instance List
- Job APIs
  - Media Processing
    - Submitting Media Processing Job
      - Submitting Video-to-Animated Image Conversion Job
      - Submitting Video Splicing Job
      - Submitting Digital Watermark Adding Job
      - Submitting Digital Watermark Extracting Job
      - Submitting Media Information Query Job
      - Submitting Audio Noise Reduction Job
      - Submitting Video Quality Scoring Job
      - Submitting SDR-to-HDR Job
      - Submitting Remuxing Job
      - Submitting Intelligent Thumbnail Job
      - Submitting Video Frame Capturing Job
      - Submitting Stream Separation Job
      - Submitting Super Resolution Job
      - Submitting Audio/Video Transcoding Job
      - Submitting Text-to-Speech Job
      - Submitting Video Montage Job
      - Submitting Video Enhancement Job
      - Submitting Video Tagging Job
      - Submitting Voice/Sound Separation Job
      - Submitting Top Speed Codec Transcoding Job
    - Canceling Media Processing Job
      - CancelMediaJob
    - Querying Media Processing Job
      - DescribeMediaJob
      - DescribeMediaJobs
    - Media Processing Job Callback
      - Video-to-Animated Image Conversion
      - Audio/Video Splicing
      - Adding Digital Watermark
      - Extracting Digital Watermark
      - Getting Media Information
      - Noise Reduction
      - Video Quality Scoring

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SDRtoHDR
Remuxing (Audio/Video Segmentation)
Intelligent Thumbnail
Frame Capturing
Stream Separation
Super Resolution
Audio/Video Transcoding
Text to Speech
Video Montage
Video Enhancement
Video Tagging
Voice/Sound Separation
Top Speed Codec Transcoding
Image Processing
Submit Image Processing Job
CreatePicJobs
Canceling Image Processing Job
CancelPicJob
Querying Image Processing Job
DescribePicJob
DescribePicJobs
Image Processing Callback
Multi-Job Processing
Submitting Multiple Jobs
MultiJobs
AI-Based Content Recognition
Submitting Content Recognition Job
Submitting Translation Job
Submitting Speech Recognition Job
Submitting Word Segmentation Job
Canceling Content Recognition Job
Querying Content Recognition Job
Querying Content Recognition Job
Pulling Content Recognition Jobs in Batches
Content Recognition Job Callback
Translation Job Callback
Word Segmentation Job Callback
Template APIs

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Media Processing
Creating Media Processing Template
Creating Animated Image Template
Creating Splicing Template
Creating Top Speed Codec Transcoding Template
Creating Screenshot Template
Creating Super Resolution Template
Creating Audio/Video Transcoding Template
Creating Professional Transcoding Template
Creating Text-to-Speech Template
Creating Video Montage Template
Creating Video Enhancement Template
Creating Voice/Sound Separation Template
Creating Watermark Template
Creating Intelligent Thumbnail Template
Deleting Media Processing Template
DeleteMediaTemplate
Querying Media Processing Template
DescribeMediaTemplates
Updating Template
Updating Animated Image Template
Updating Splicing Template
Updating Top Speed Codec Transcoding Template
Updating Screenshot Template
Updating Super Resolution Template
Updating Audio/Video Transcoding Template
Updating Professional Transcoding Template
Updating Text-to-Speech Template
Updating Video Montage Template
Updating Video Enhancement Template
Updating Voice/Sound Separation Template
Updating Watermark Template
Updating Intelligent Thumbnail Template
AI-Based Content Recognition
Creating AI-Based Content Recognition Template
Creating Speech Recognition Template
Querying AI-Based Content Recognition Template
DescribeTemplates

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Updating AI-Based Content Recognition Template
Updating Speech Recognition Template
Batch Job APIs
Triggering Job (Independent Node)
Triggering Job
Canceling Job
Querying Job
Pulling Jobs in Batches
Error Codes
Appendix
Structure

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API Documentation
Common Request Headers

Last updated：2024-01-31 17:07:40

Overview

This document describes common request headers that may be used in API requests. The headers mentioned below will not be addressed again in related API documents.

Request Headers

Header	Description	Type	Required
Authorization	Carries the authentication information, i.e., signing information, used to verify the validity of a request	string	Yes
Content-Length	Length in bytes of the content of an HTTP request defined in RFC 2616	integer	NoRequired for PUT and POST requests
Content-Type	Content type (MIME) of an HTTP request as defined in RFC 2616, such as application/xml	string	NoRequired for PUT and POST requests with a request body
Content-MD5	Base64-encoded MD5 hash value of the request body content as defined in RFC 1864, such as ZzD3iDJdrMAAb00lgLLeig==. The value is used to verify whether the request body experienced any changes during transfer.	string	No
Date	Current time in GMT as defined in RFC 1123, such as Wed, 29 May 2019 04:10:12 GMT	string	No
Host	Requested host in the format of <BucketName-APPID>.ci.<Region>.myqcloud.com	string	Yes
x-ci-security-token	Security token field required when using temporary security credentials	string	NoRequired when a temporary key is used and the authentication

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			information is carried through Authorization

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Common Response Headers

Last updated：2024-01-31 17:07:40

Overview

This document describes common response headers that may be used in API requests. The headers mentioned below will not be addressed again in related API documents.

Response Headers

Header	Description	Type
Content-Length	HTTP response length in bytes as defined in RFC 2616	string
Content-Type	HTTP response type (MIME) as defined in RFC 2616	string
Connection	Indicates whether the network connection will be turned off after the response is complete, defined in RFC 2616. Enumerated values: `keep-alive`, `close`.	Enum
Date	Server response time in GMT format as defined in RFC 1123, such asWed, 29 May 2019 04:10:12 GMT	string
Server	Name of the server that accepts the request and returns the response. Default value: tencent-ci	string
x-ci-request-id	ID automatically generated by the server for each request when the request is sent	string
x-ci-trace-id	ID automatically generated by the server for each error when a request fails. This header will be included in the response only if the request has failed.	string

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Bucket Configuration
Binding CI

Last updated：2024-01-31 17:07:40

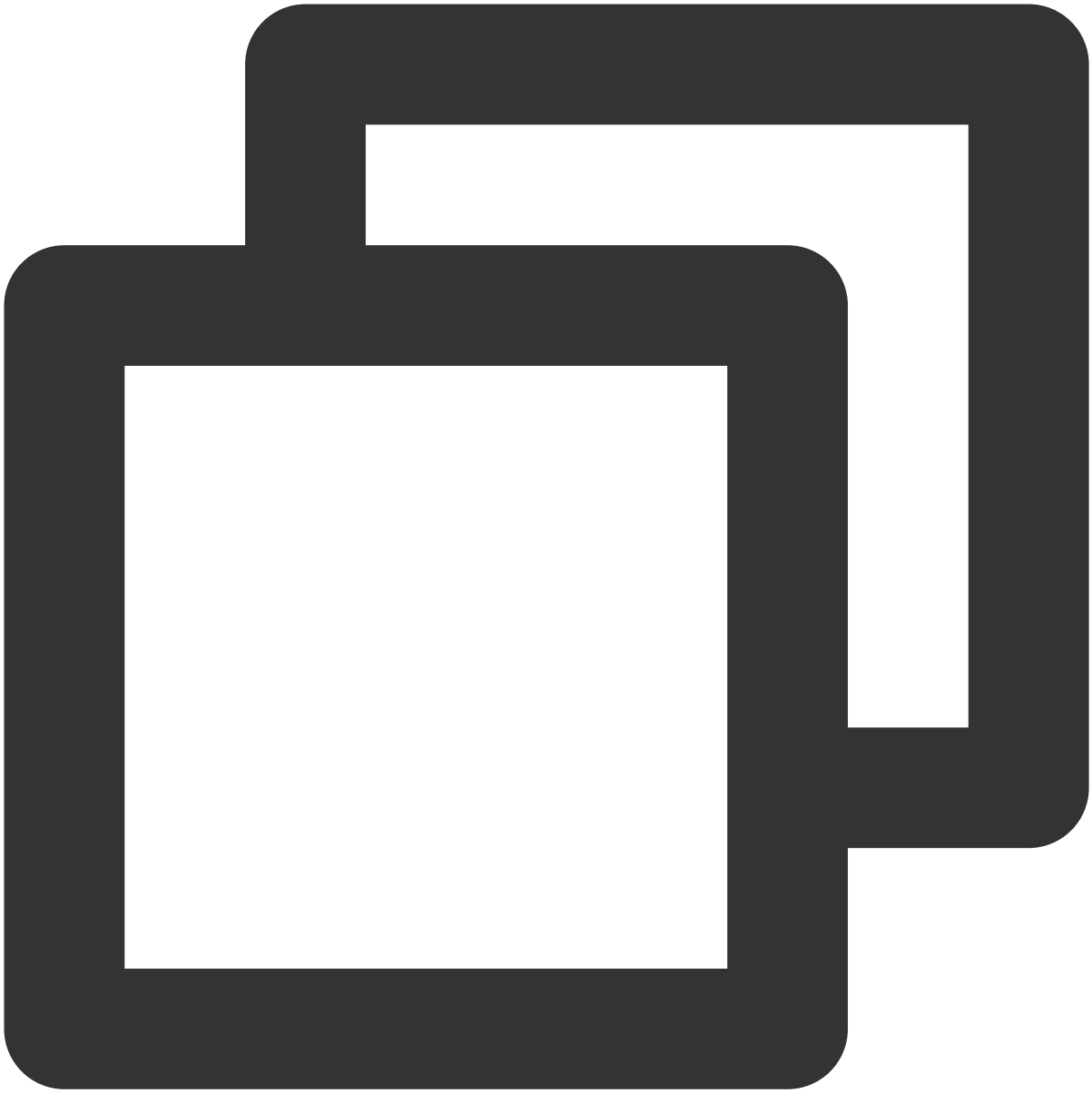
Overview

This API is used to bind CI to an existing COS bucket. For bucket-related features such as queries and modifications, please use COS APIs.

Request

Sample request

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```
PUT / HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (see Request Signature for more information).

Request headers

This API only uses common request headers. For more information, please see Common Request Headers.

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Request body

The request body of this request is empty.

Response

Response headers

This API returns only common response headers. For more information, please see Common Response Headers.

Response body

The response body of this response is empty.

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Querying CI

Last updated：2024-01-31 17:07:40

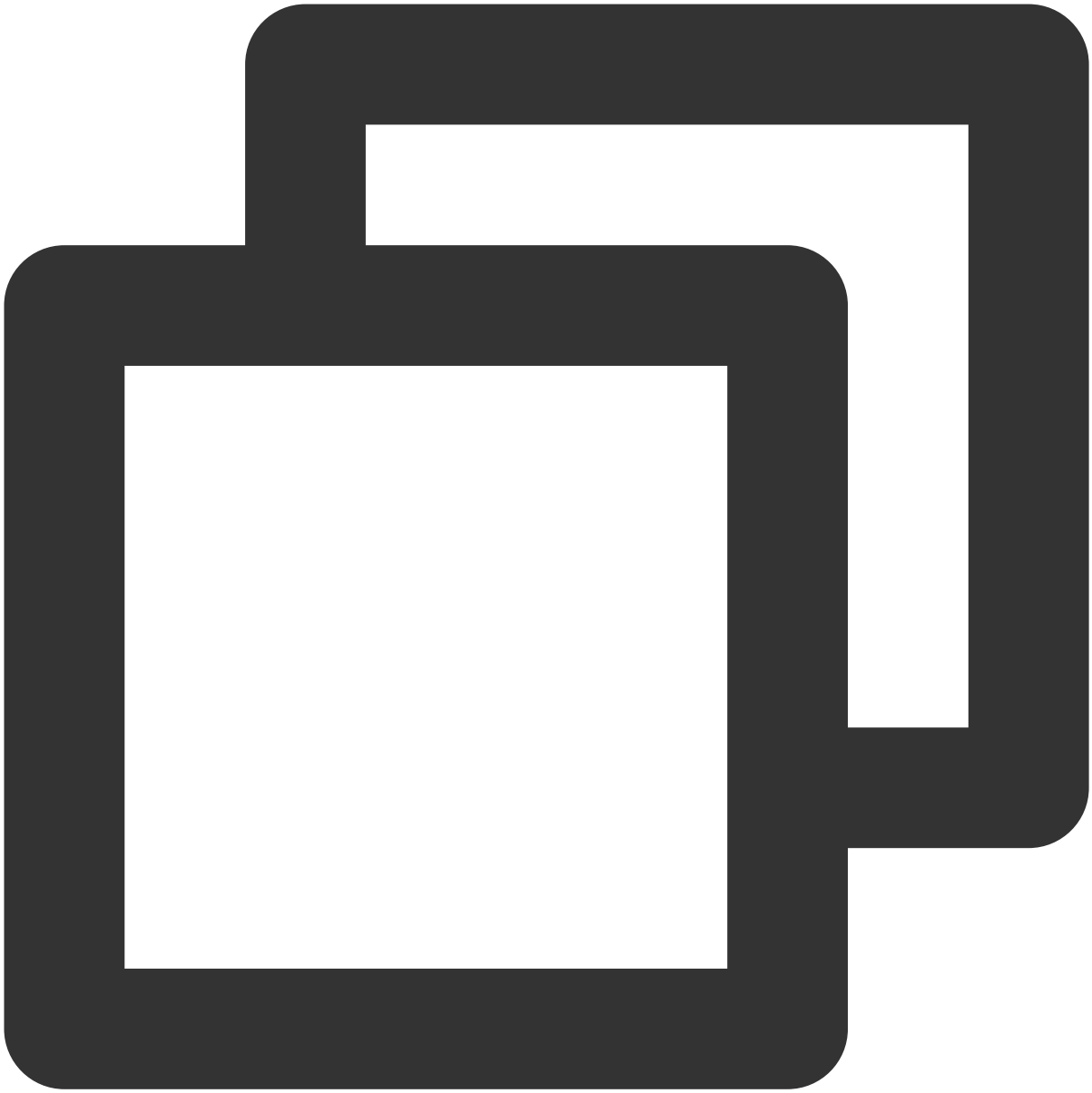
Overview

This API is used to query whether CI has been enabled for a bucket.

Request

Sample request

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```
GET / HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (see Request Signature for more information).

Request headers

This API only uses common request headers. For more information, please see Common Request Headers.

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Request body

The request body of this request is empty.

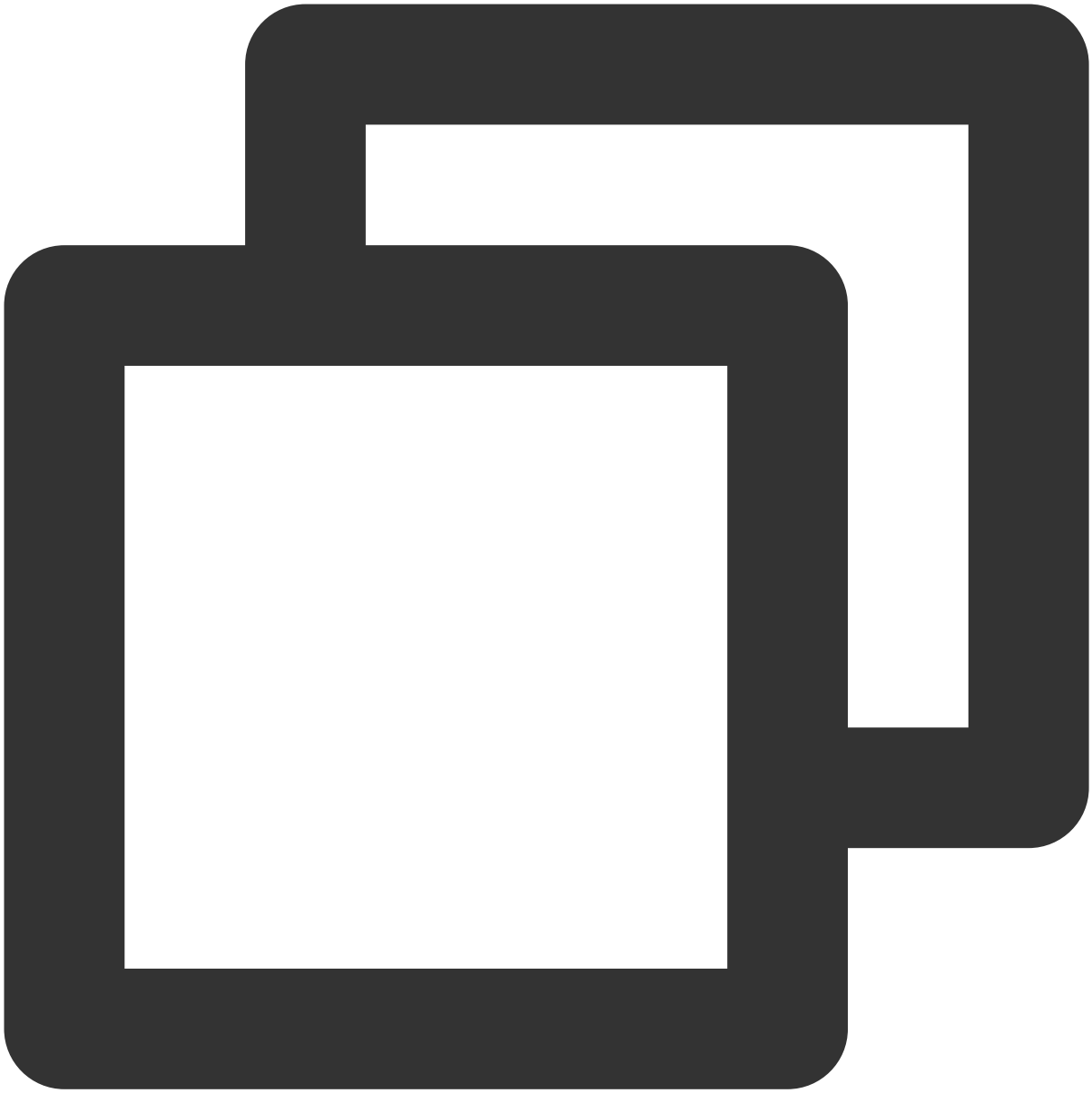
Response

Response headers

This API returns only common response headers. For more information, please see Common Response Headers.

Response body

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```
<?xml version="1.0" encoding="UTF-8" ?>
<CIStatus>on</CIStatus>
```

The node information is as follows:

Node Name (Keyword)	Description
CIStatus	Valid values: `on` , `off`

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Unbinding CI

Last updated：2024-01-31 17:07:39

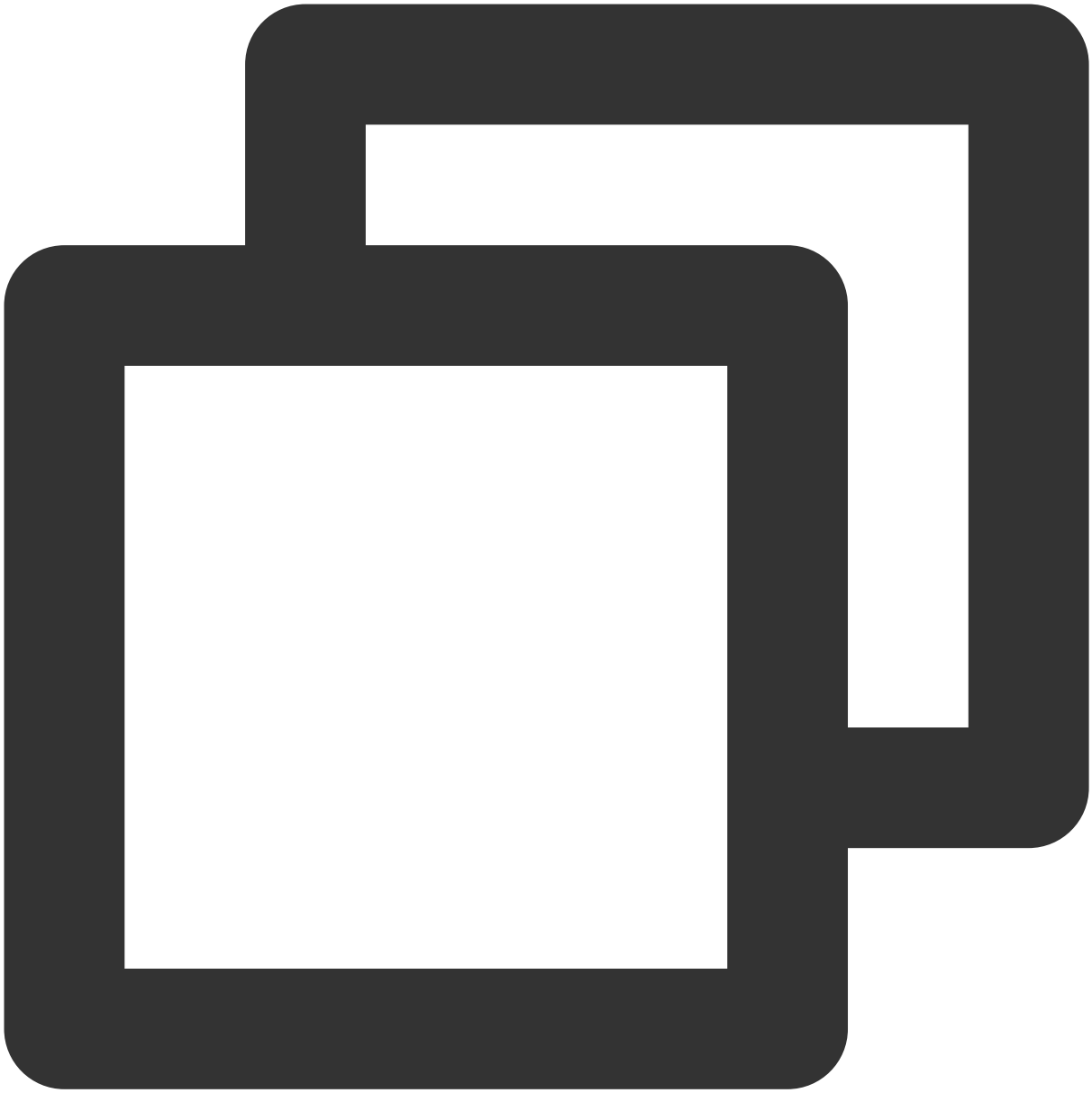
Overview

This API is used to unbind CI from a bucket (the bucket and its files will be retained in COS).

Request

Sample request

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```
PUT /?unbind HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (see Request Signature for more information).

Request headers

This API only uses common request headers. For more information, please see Common Request Headers.

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Request body

The request body of this request is empty.

Response

Response headers

This API returns only common response headers. For more information, please see Common Response Headers.

Response body

The response body of this response is empty.

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Querying Hotlink Protection

Last updated：2024-01-31 17:07:40

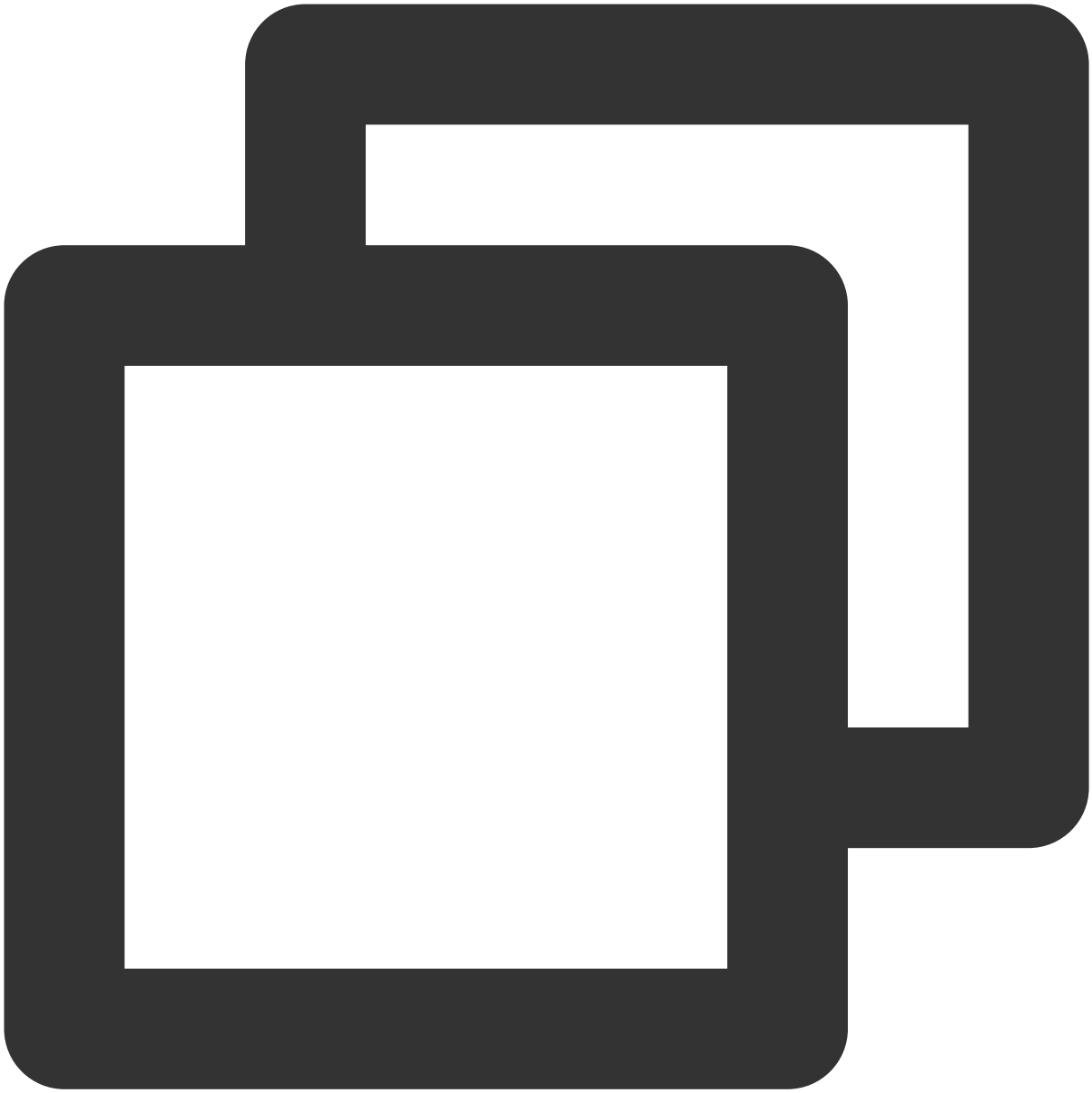
Overview

This API is used to query the hotlink protection details (blocklist and allowlist) about a bucket.

Request

Sample request

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```
GET /?hotlink HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (see Request Signature for more information).

Request headers

This API only uses common request headers. For more information, please see Common Request Headers.

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Request body

The request body of this request is empty.

Response

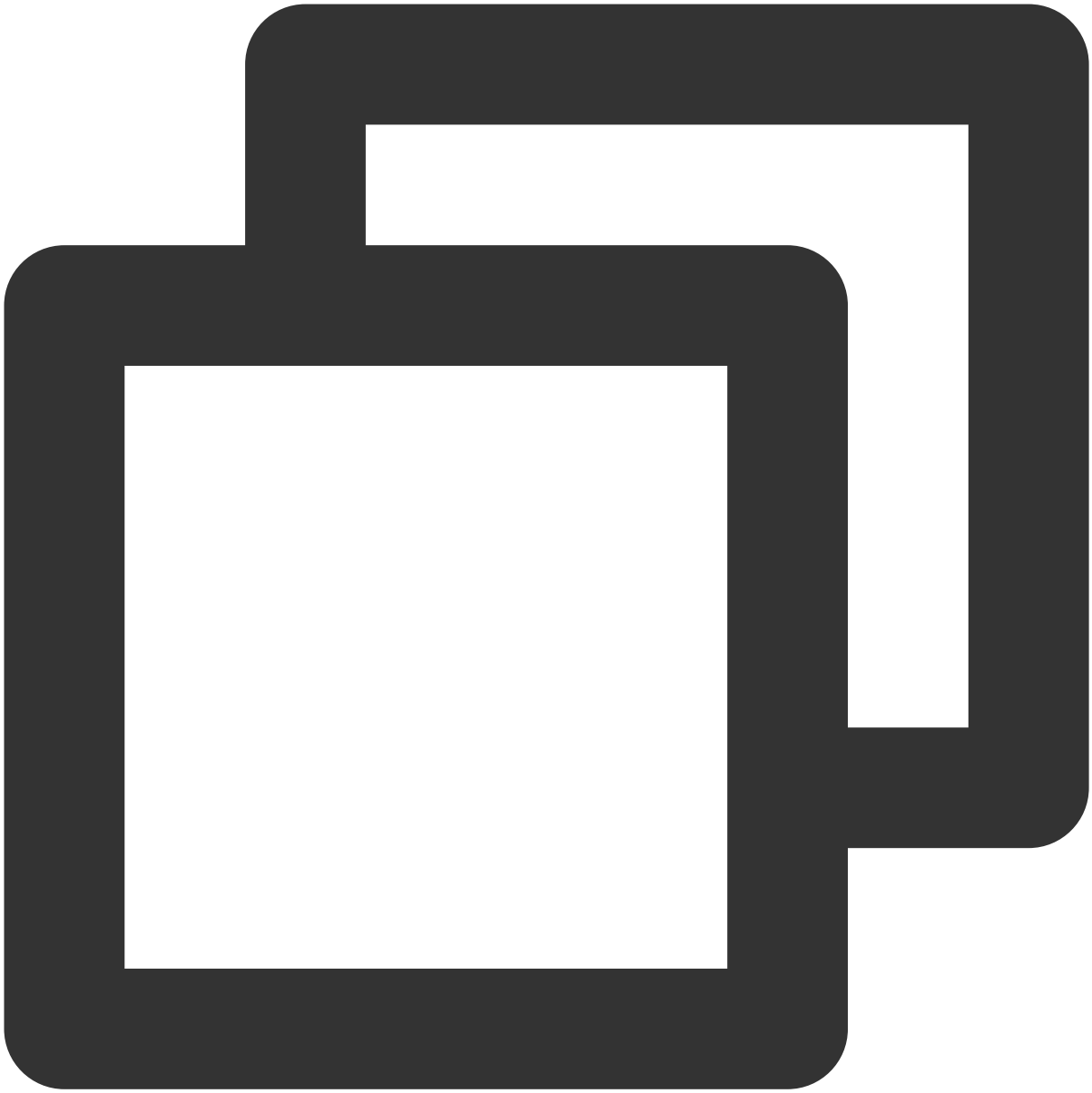
Response headers

This API returns only common response headers. For more information, please see Common Response Headers.

Response body

The response body contains the type of hotlink protection and enumerates all allowed URLs.

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```
<?xml version="1.0" encoding="UTF-8" ?>
<Hotlink>
    <Status>on</Status>
    <Type>white</Type>
    <Url>xxx</Url>
    <Url>xxx</Url>
</Hotlink>
```

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Setting Hotlink Protection

Last updated：2024-01-31 17:07:40

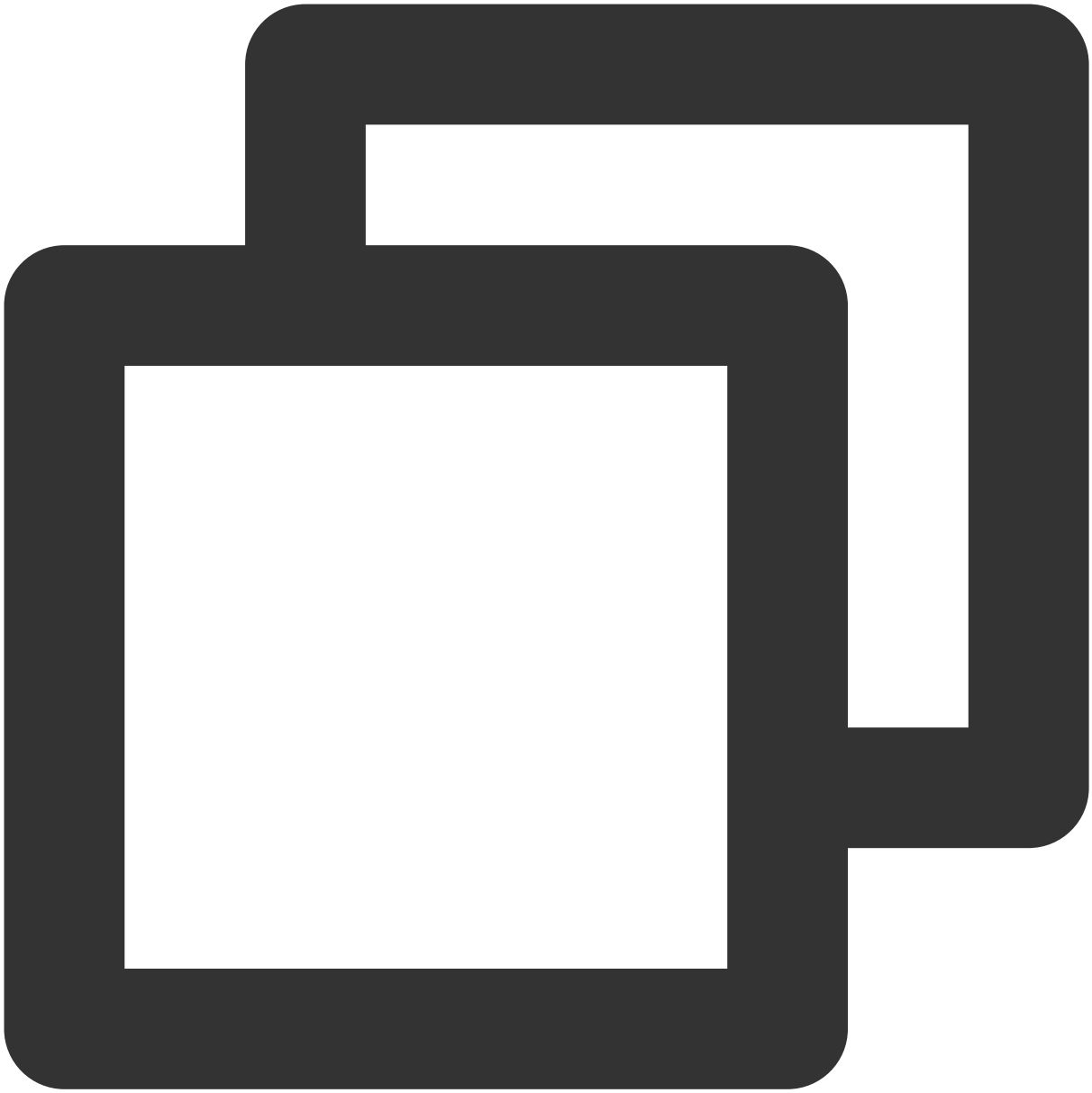
Feature

This API is used to add hotlink protection (set blocklist/allowlist) for a bucket.

Request

Request example

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```
PUT /?hotlink HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String. For more information, see Request Signature.

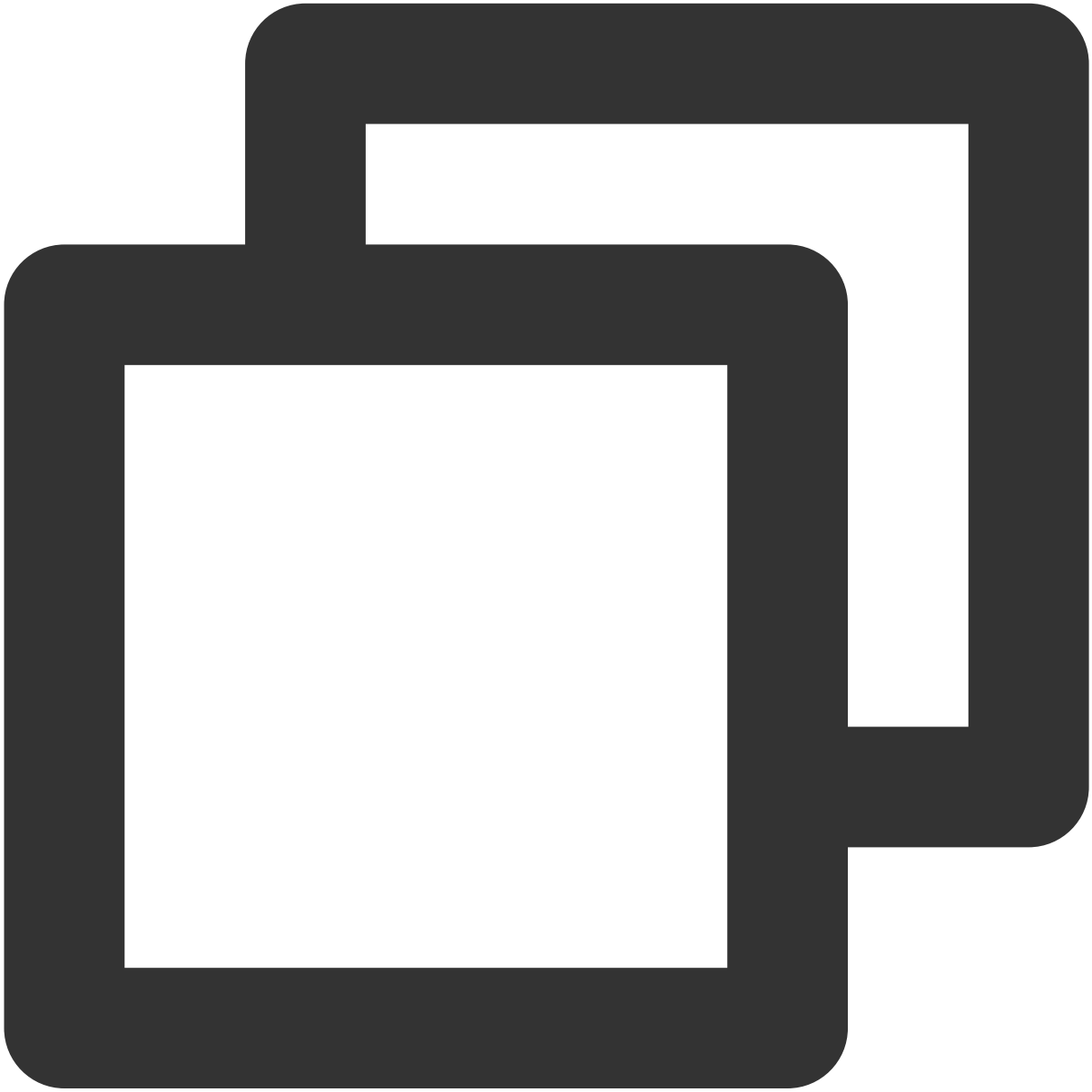
Request headers

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This API only uses common request headers. For more information on common request headers, see Common Request Headers.

Request body

The node content of this request body is as follows:



```
<Hotlink>
        <Url>xxxxx</Url>
        <Type>black</Type>
</Hotlink>>
```

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Node Name	Parent Node	Description	Type	Required
Url	Hotlink	Indicates the domain name address.	Container	Yes
Type	Hotlink	Indicates the hotlink protection type. The value white indicates allowlist, the value black indicates blocklist, and the value off indicates the hotlink protection is disabled.	String	Yes

Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

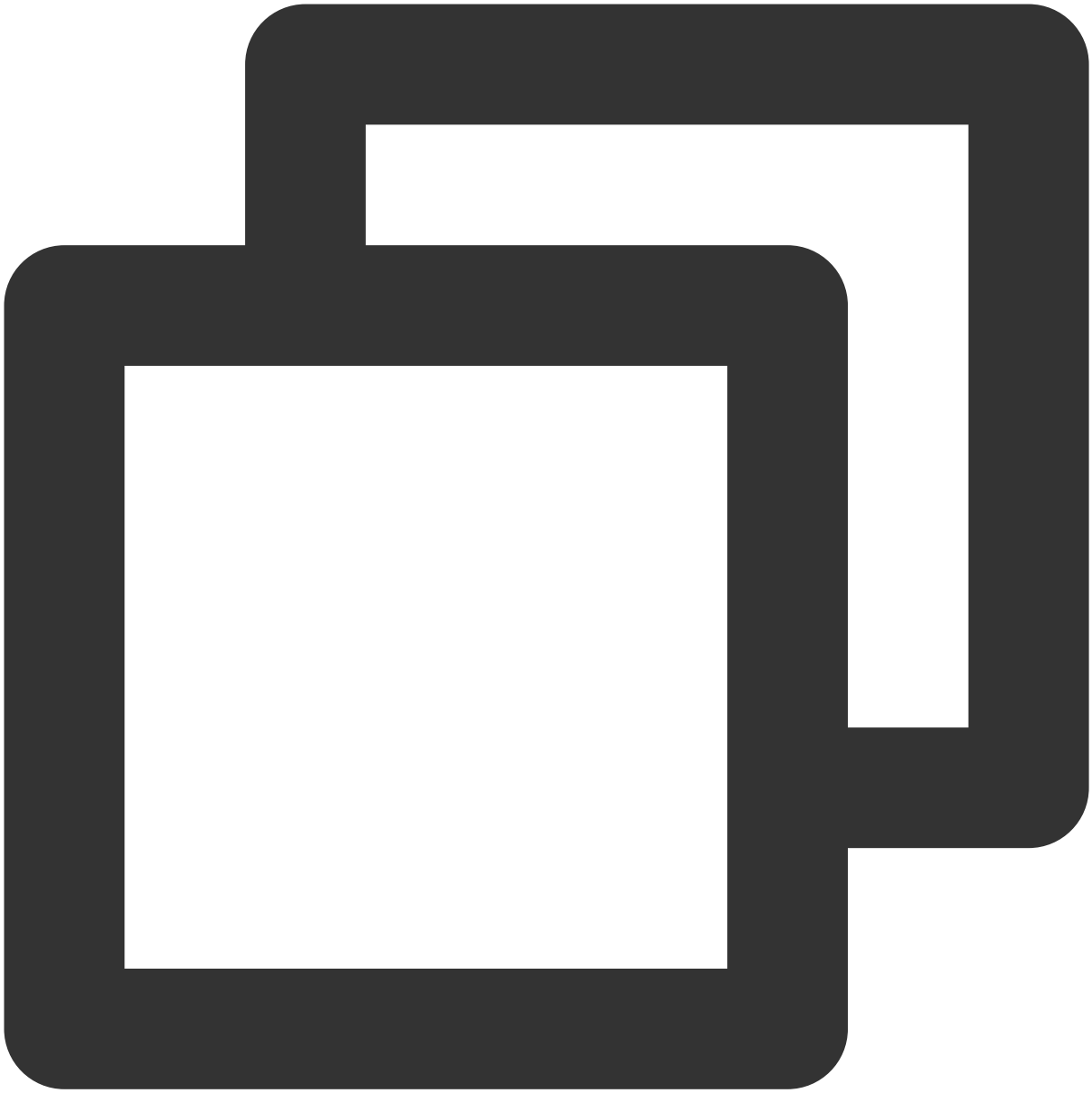
Response body

The response body of this response is empty.

Use Cases

Request

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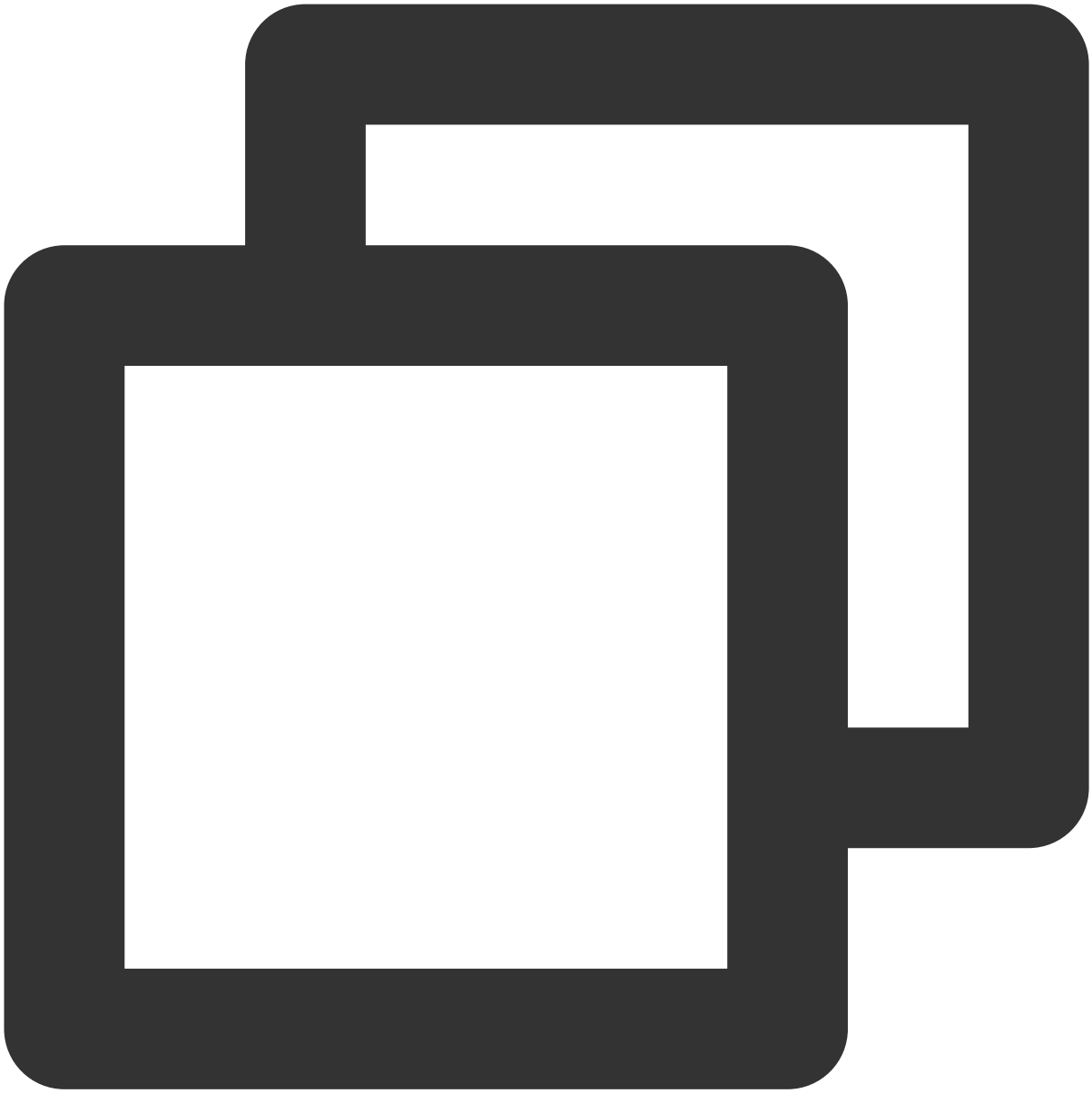


```
PUT /?hotlink HTTP/1.1
Host: examplebucket-1250000000.pic.ap-chengdu.myqcloud.com
Date: Wed, 18 Mar 2000 06:57:54 GMT
Authorization: XXXXXXXXXXXX

<Hotlink>
        <Url>www.example.com</Url>
        <Type>black</Type>
</Hotlink>
```

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Response



```
HTTP/1.1 200 OK
Content-Length: 0
Connection: keep-alive
Date: Fri, 25 Feb 2017 04:10:22 GMT
Server: tencent-cos
x-cos-request-id: NTg3ZjFjMmJfOWIxZjRlXzZmNDhf****
```

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Enabling Original Image Protection

Last updated：2024-01-31 17:07:40

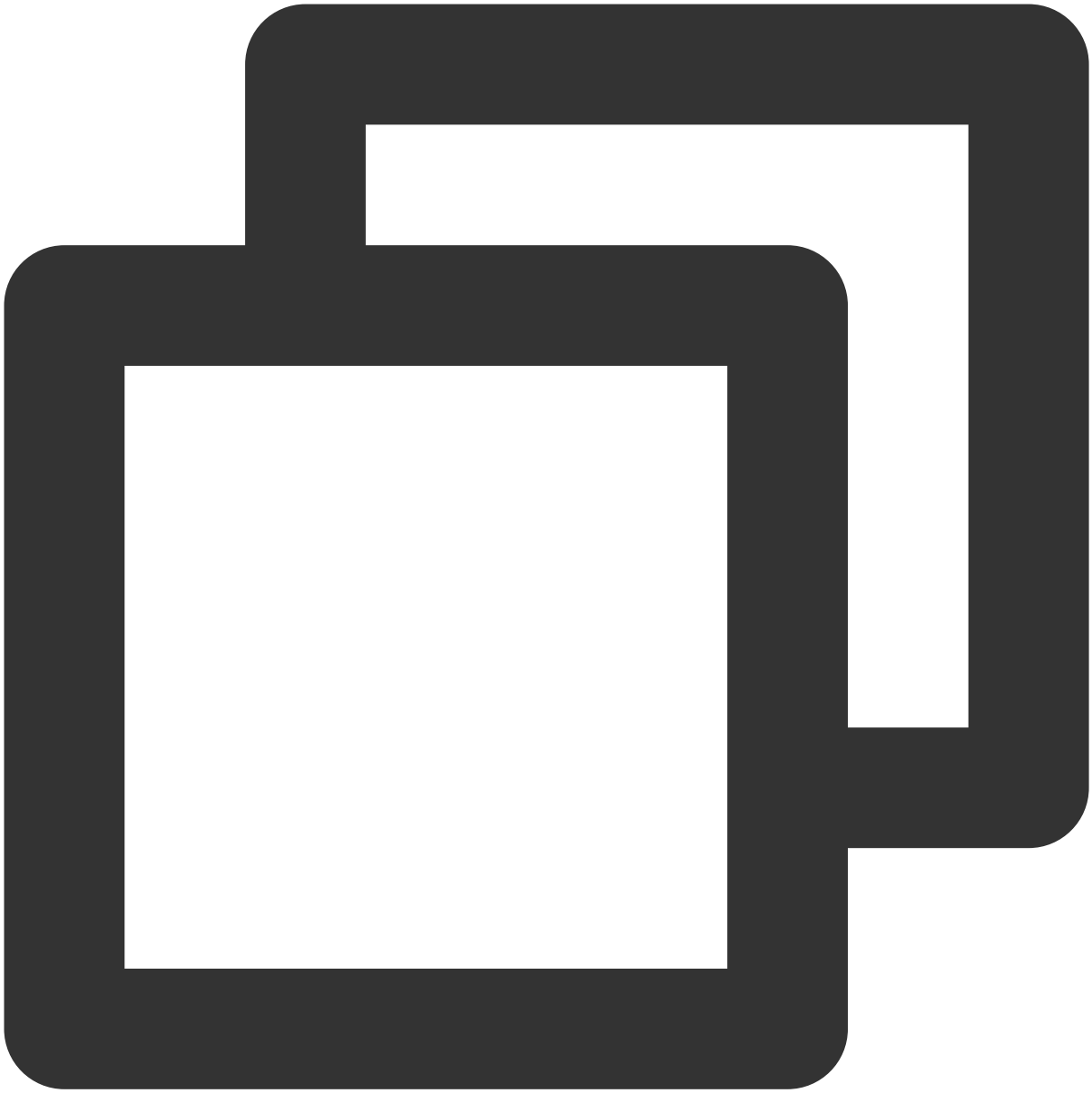
Overview

This API is used to enable the original image protection feature for a bucket.

Request

Sample request

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```
PUT /?origin-protect HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (see Request Signature for more information).

Request headers

This API only uses common request headers. For more information, please see Common Request Headers.

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Request body

The request body of this request is empty.

Response

Response headers

This API returns only common response headers. For more information, please see Common Response Headers.

Response body

The response body of this response is empty.

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Querying Original Image Protection Status

Last updated：2024-01-31 17:07:39

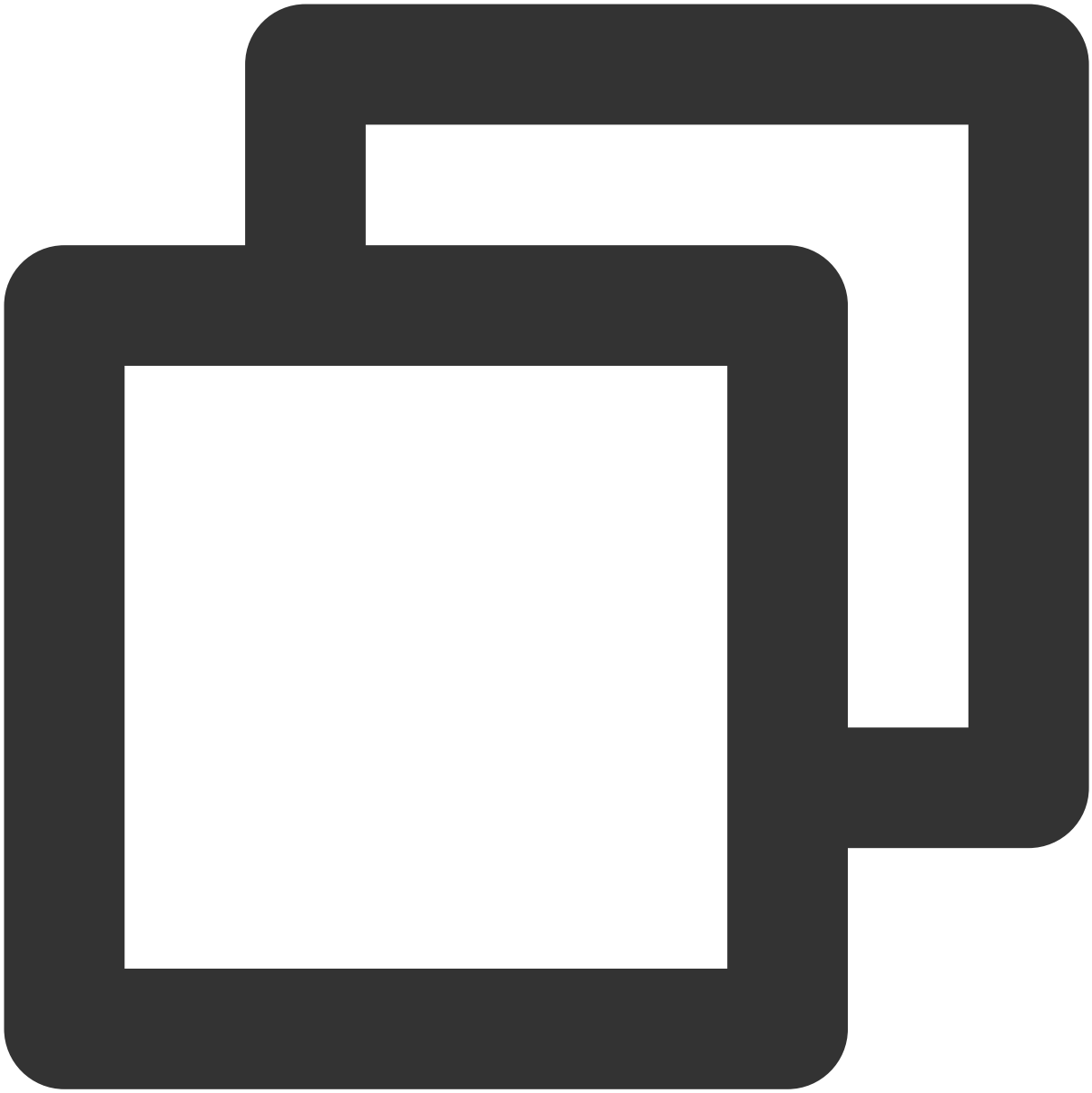
Overview

This API is used to query whether the original image protection feature is enabled.

Request

Sample request

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```
GET /?origin-protect HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (see Request Signature for more information).

Request headers

This API only uses common request headers. For more information, please see Common Request Headers.

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Request body

The request body of this request is empty.

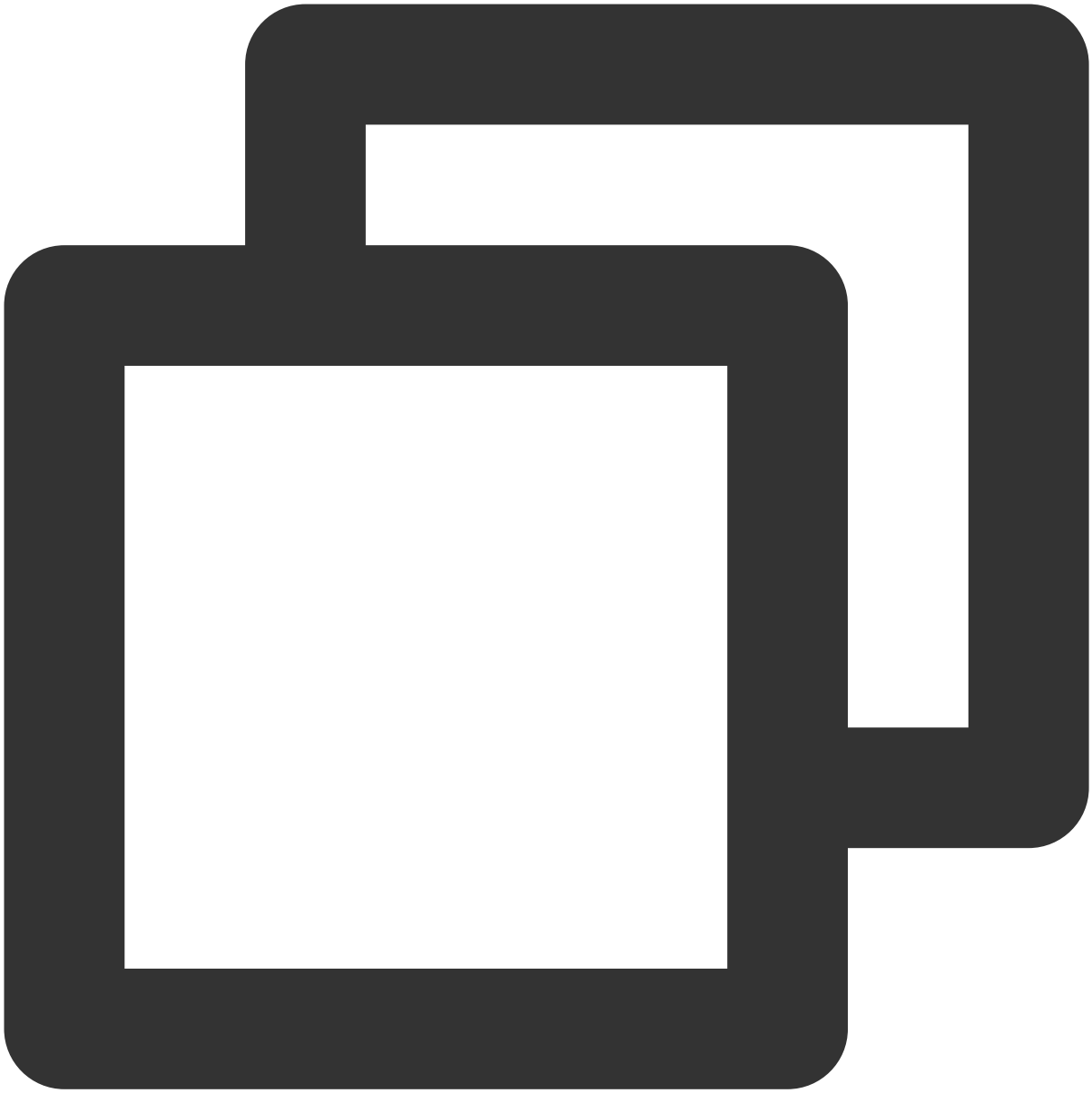
Response

Response headers

This API returns only common response headers. For more information, please see Common Response Headers.

Response body

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```
<?xml version="1.0" encoding="UTF-8" ?>
<OriginProtectStatus>on</OriginProtectStatus>
```

Node Name (Keyword)	Description
OriginProtectStatus	Valid values: `on` , `off`

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Disabling Original Image Protection

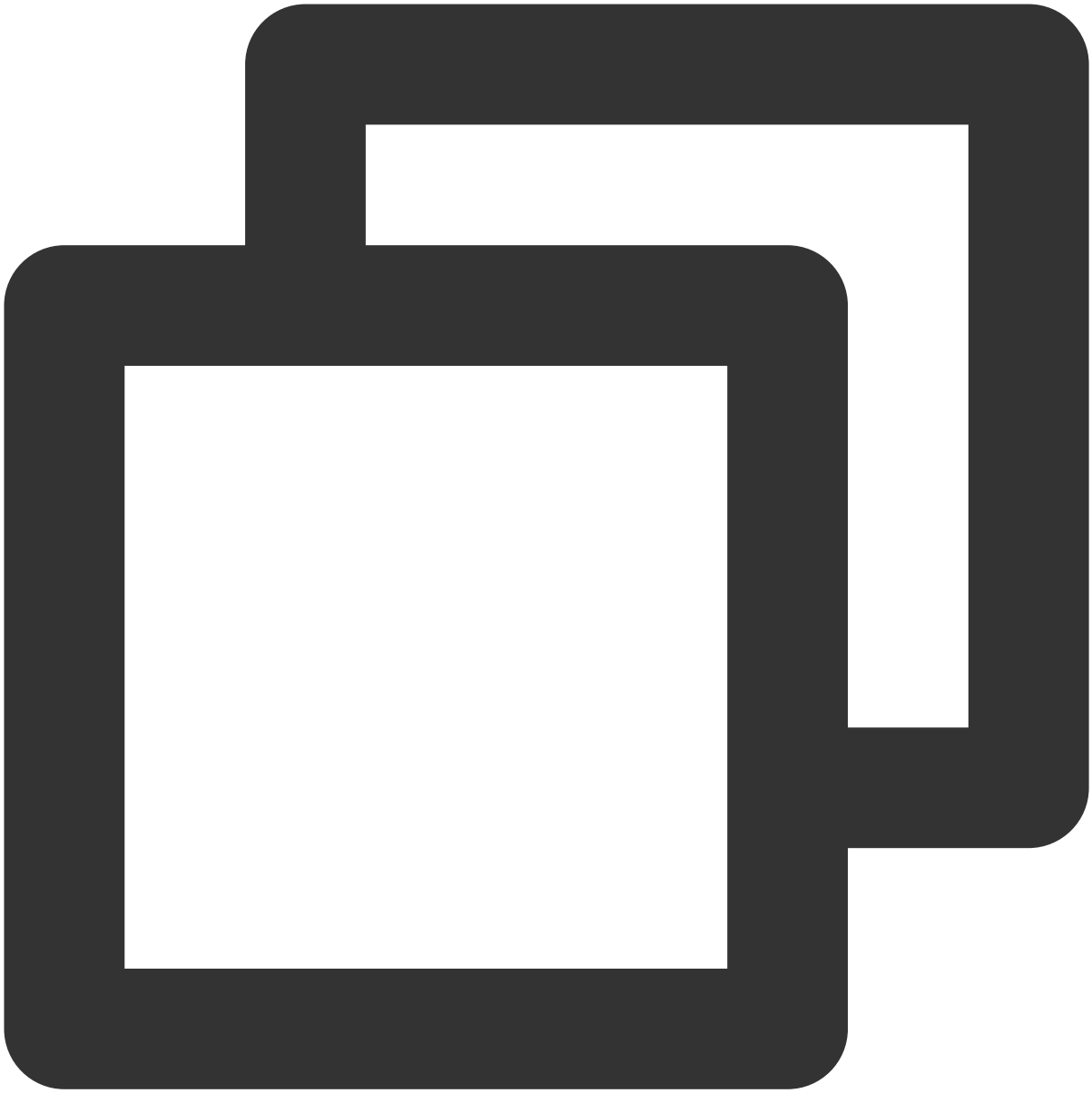
Last updated：2024-01-31 17:07:39

Overview

This API is used to disable the original image protection feature.

Request

Sample request



```
DELETE /?origin-protect HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (see Request Signature for more information).

Request headers

This API only uses common request headers. For more information, please see Common Request Headers.

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Request body

The request body of this request is empty.

Response

Response headers

This API returns only common response headers. For more information, please see Common Response Headers.

Response body

The response body of this response is empty.

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Image Processing
Basic Image Processing
Scaling

Last updated：2024-02-18 10:36:35

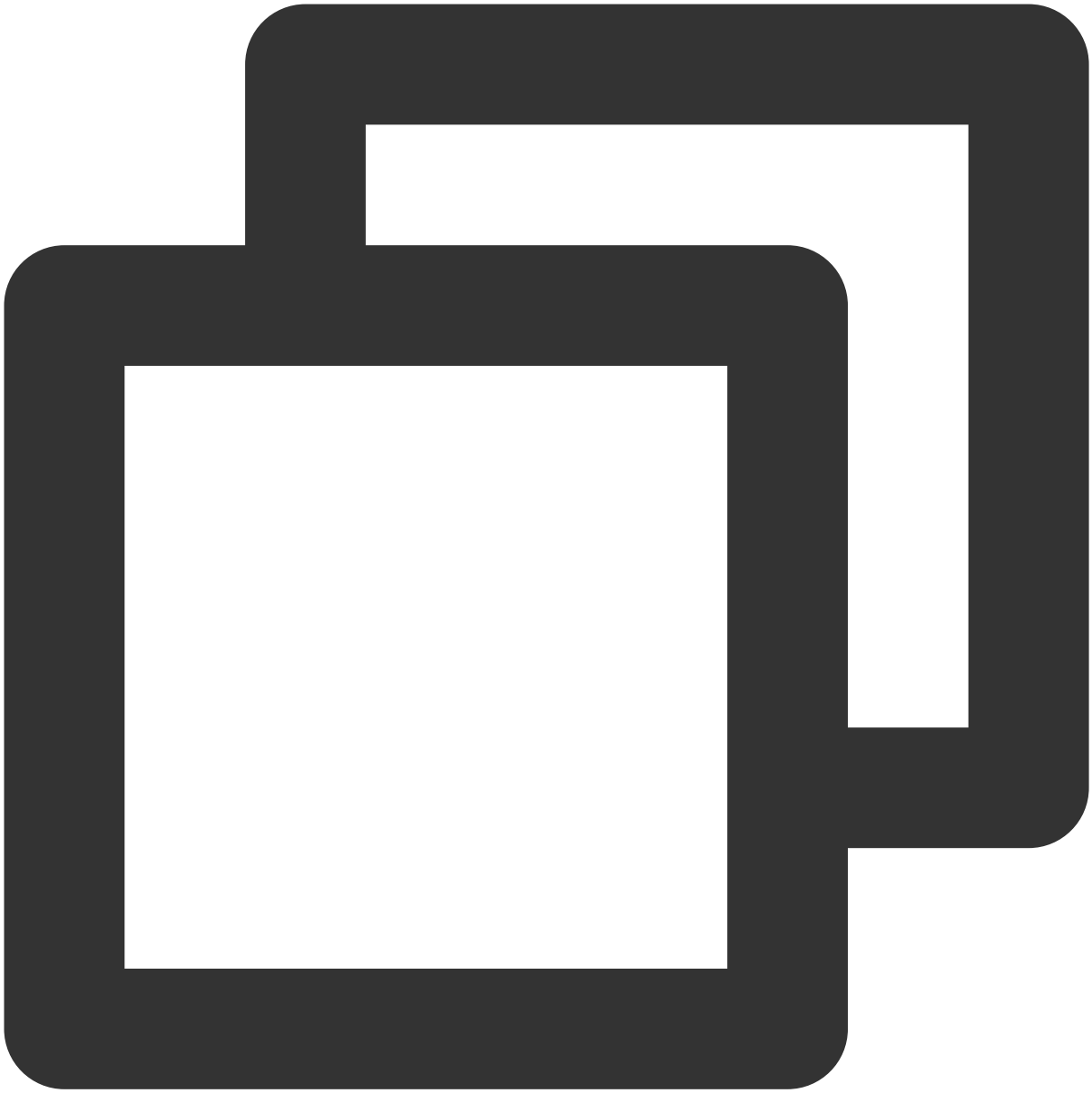
Feature Overview

CI uses the **imageMogr2** API to scale images. The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels. For an input animated image, the total number of pixels (Width x Height x Number of frames) cannot exceed 250 million pixels.
An image can be processed:
Upon download
Upon upload
In cloud

API Format

1. Processing upon download

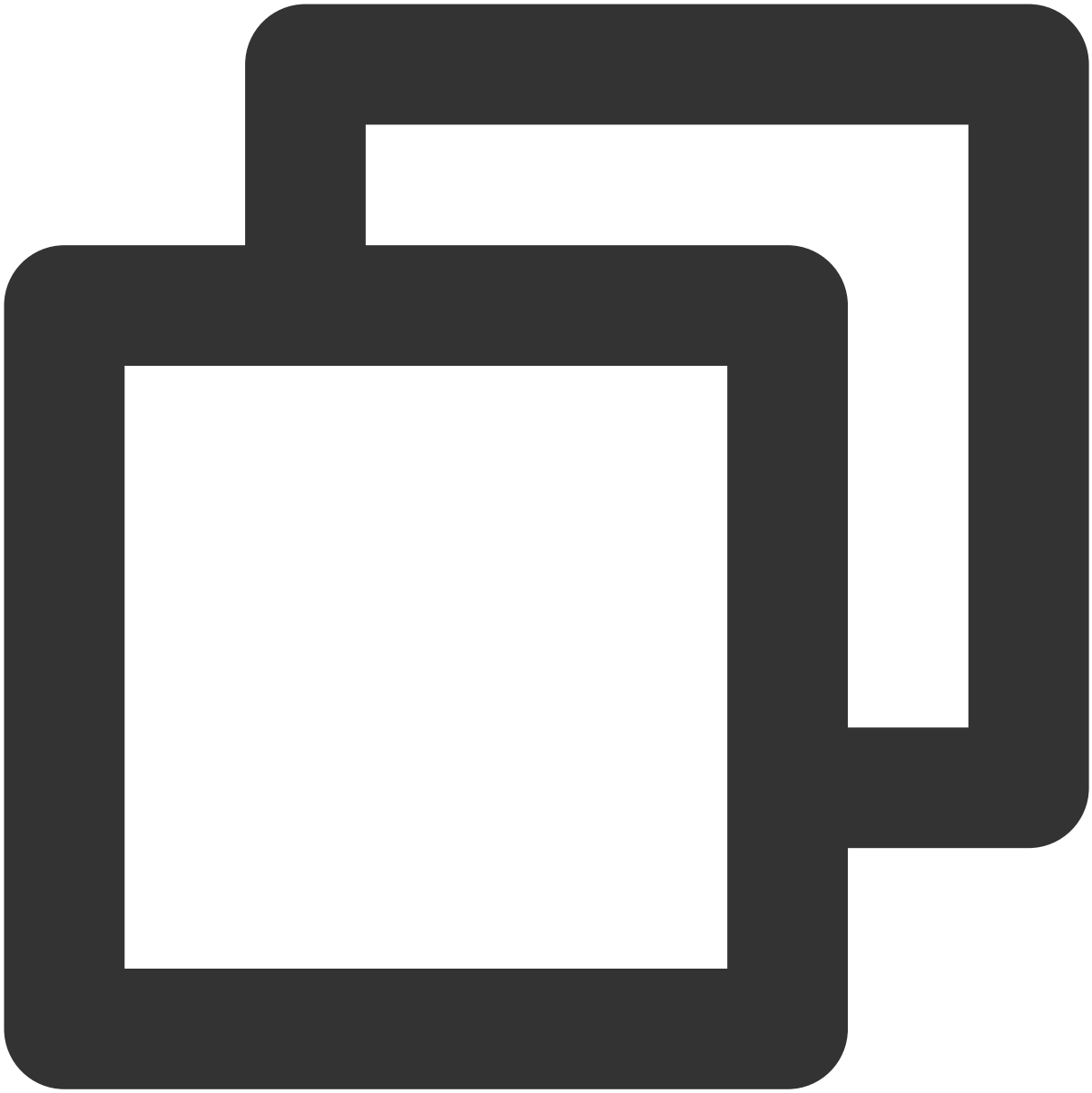
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```
GET /<ObjectKey>?imageMogr2/thumbnail/<imageSizeAndOffsetGeometry> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing upon upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/thumbnail/<imageSizeAndOffsetGeometry>"
  }]
```

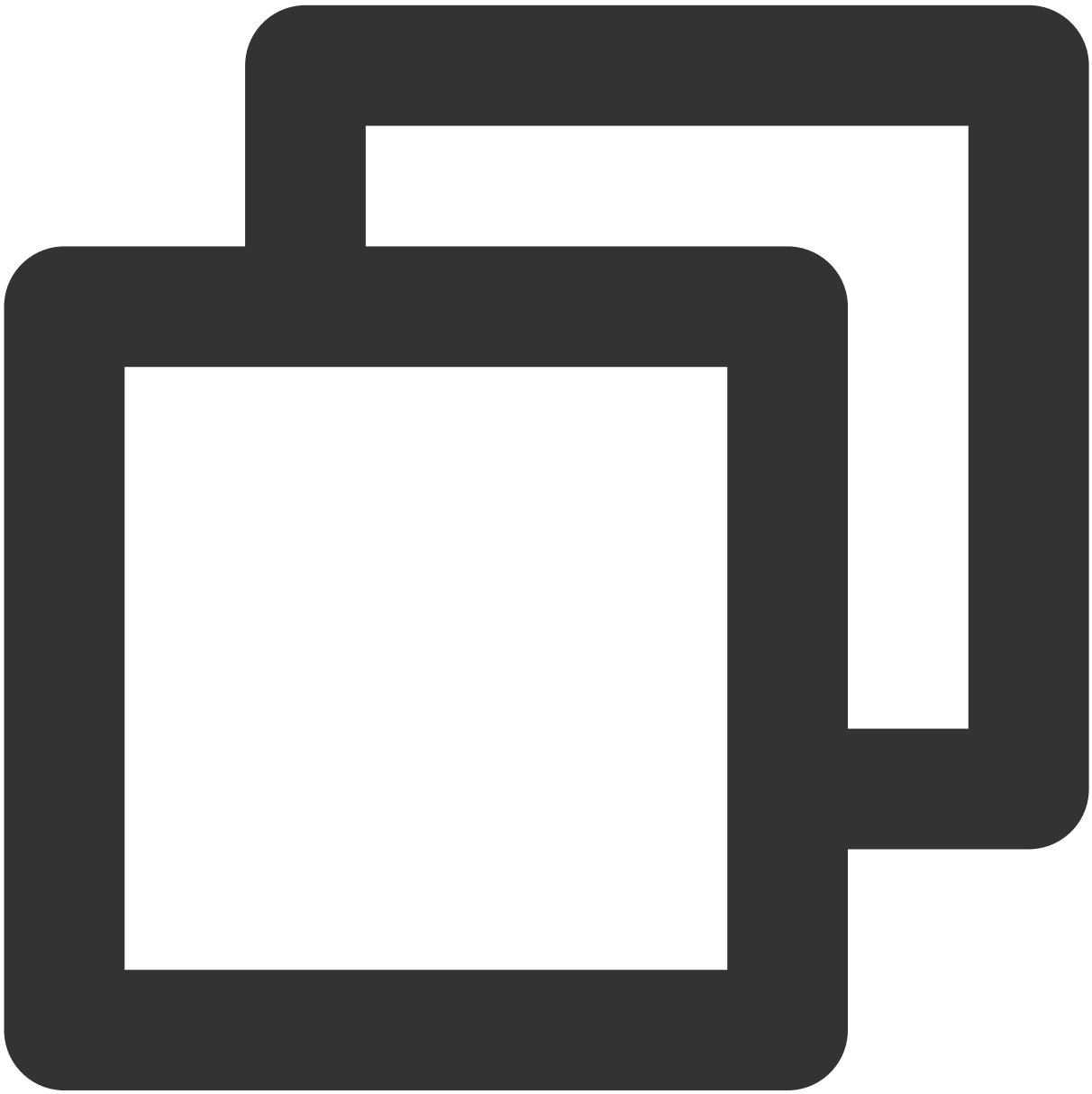
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/thumbnail/<imageSizeAndOffsetGeometry>"
  }]
}
```

Parameters

Operation: thumbnail

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/thumbnail/!<Scale>p	The percentage to scale the width and height of the input image
/thumbnail/!<Scale>px	The percentage to scale the width of the input image, without changing the height
/thumbnail/!x<Scale>p	The percentage to scale the height of the input image, without changing the width
/thumbnail/<Width>x	The width of the output image, with the height scaled automatically
/thumbnail/x<Height>	The height of the output image, with the width scaled automatically
/thumbnail/<Width>x<Height>	The maximum width and height of the thumbnail for scaling
/thumbnail/<Width>x<Height>>	Specifies the maximum width and height of a thumbnail as `Width` and `Height` respectively for proportional scaling down. The smaller value between the width scale ratio and height scale ratio will be used as the scale ratio. If both the output width and height are greater than the input width and height, the image will not be scaled.
/thumbnail/<Width>x<Height><	Specifies the maximum width and height of a thumbnail as `Width` and `Height` respectively for proportional scaling up. The smaller value between the width scale ratio and height scale ratio will be used as the scale ratio. If both the output width and height are less than the input width and height, the image will not be scaled.
/thumbnail/!	The minimum width and height of the thumbnail for scaling

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<Width>x<Height>r	
/thumbnail/<Width>x<Height>!	The output width and height with the aspect ratio of the input image ignored. Note that the output image may be distorted.
/thumbnail/<Area>@	The maximum number of pixels of the output image
/pad/	Whether to pad the blank area with the color specified by `color` after the input image is scaled as large as possible in a rectangle with the specified width and height, with the image centered. Valid values: `0` (not to pad), `1` (to pad)
/color/	Fill color. The value must be in hexadecimal format, such as `#FF0000`. For format conversion, see RGB Color Codes Chart. The value must be URL-safe Base64-encoded as described in FAQs. Default value: #FFFFFF (white).
/ignore-error/1	If this parameter is carried and the image failed to be processed because the image size or the parameter value is too large, the input image will be returned with no error reported.

Examples

Note:

Processing upon download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use **Processing upon upload** or **Processing in-cloud data**.

Input image:

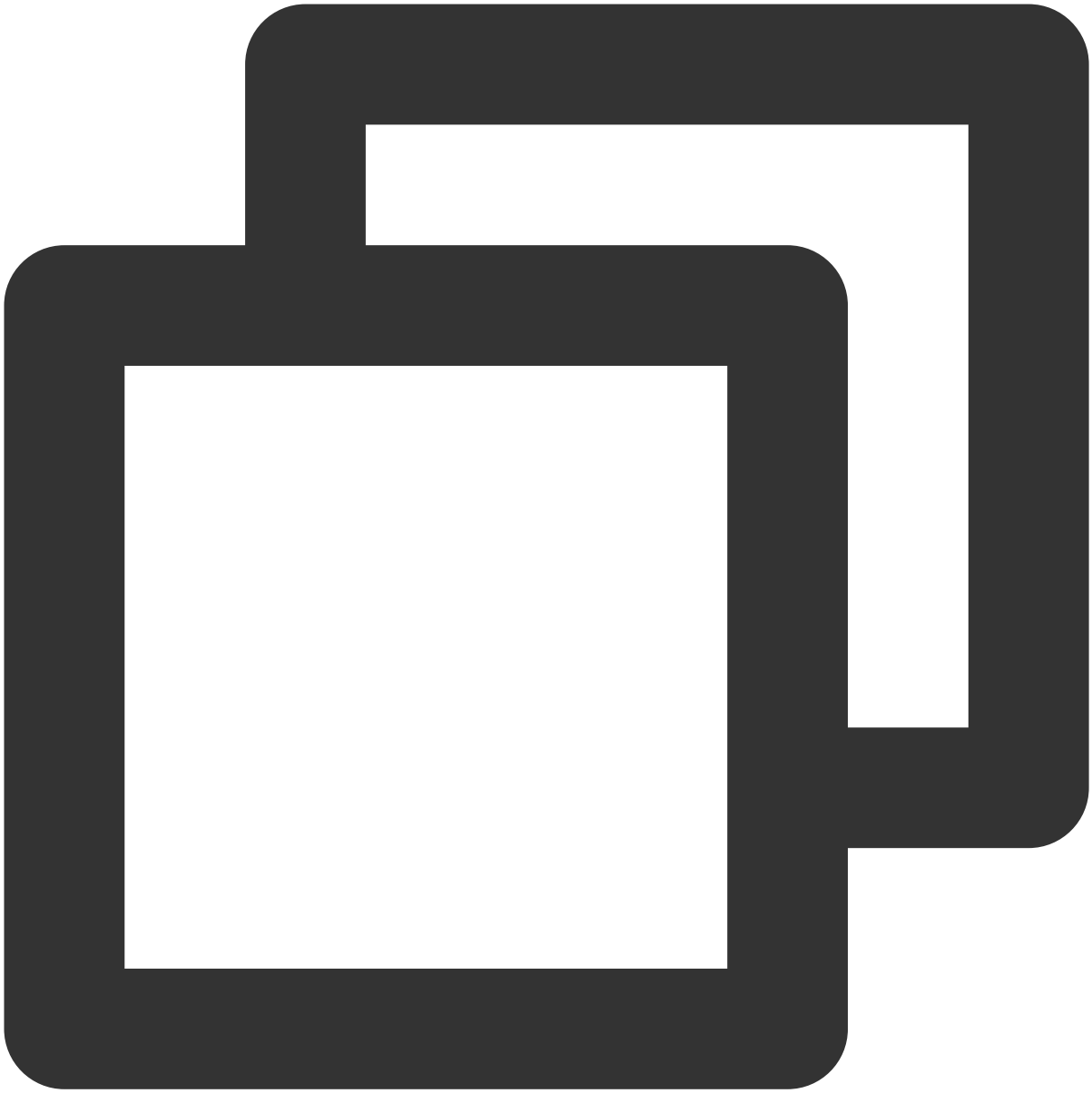
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Example 1: scaling the width and height

This example scales down the input image by 50% in width and height:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/thum
```

Output image:

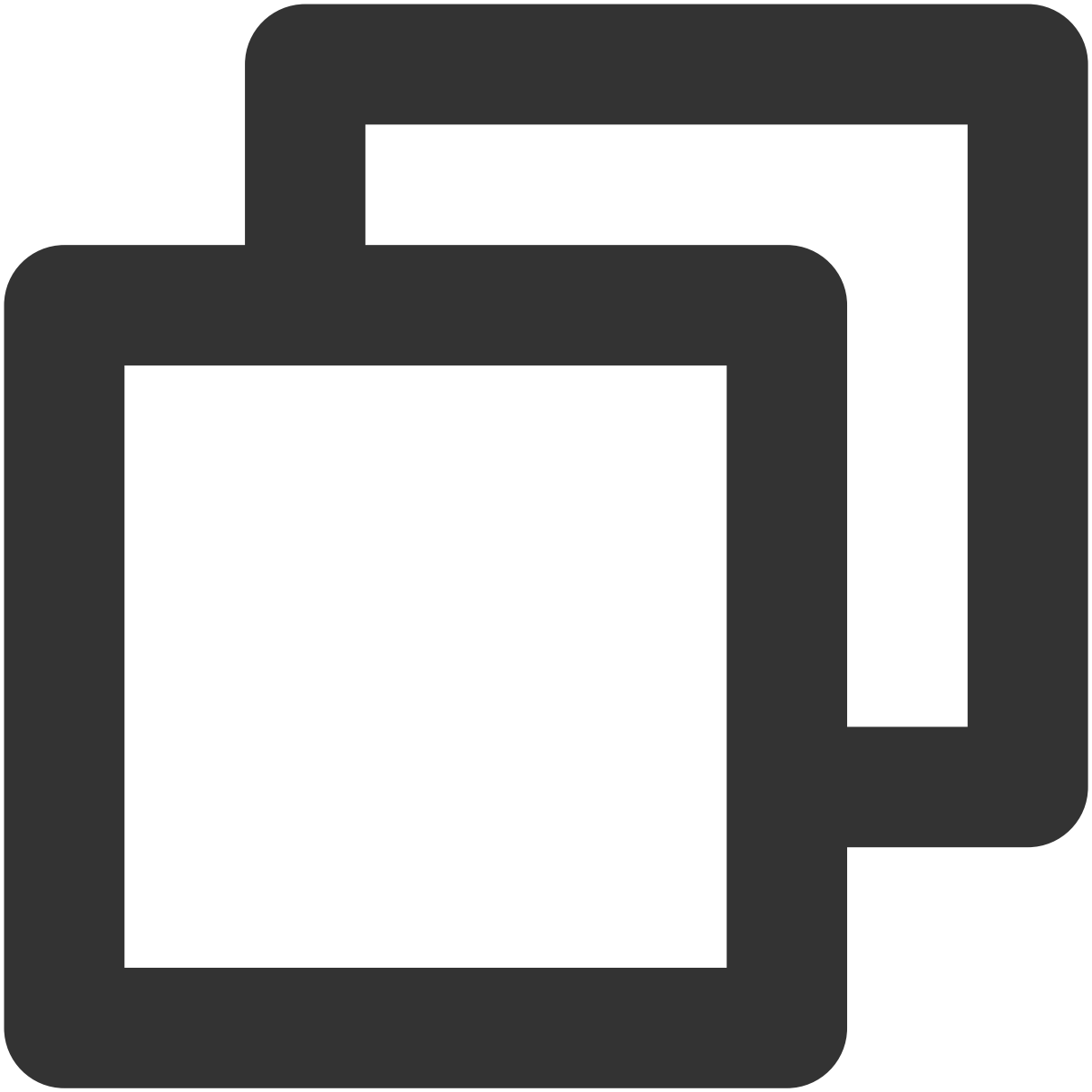
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Example 2: scaling the width without changing the height

This example scales down the width of the input image by 50% without changing its height:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/thum
```

Output image:

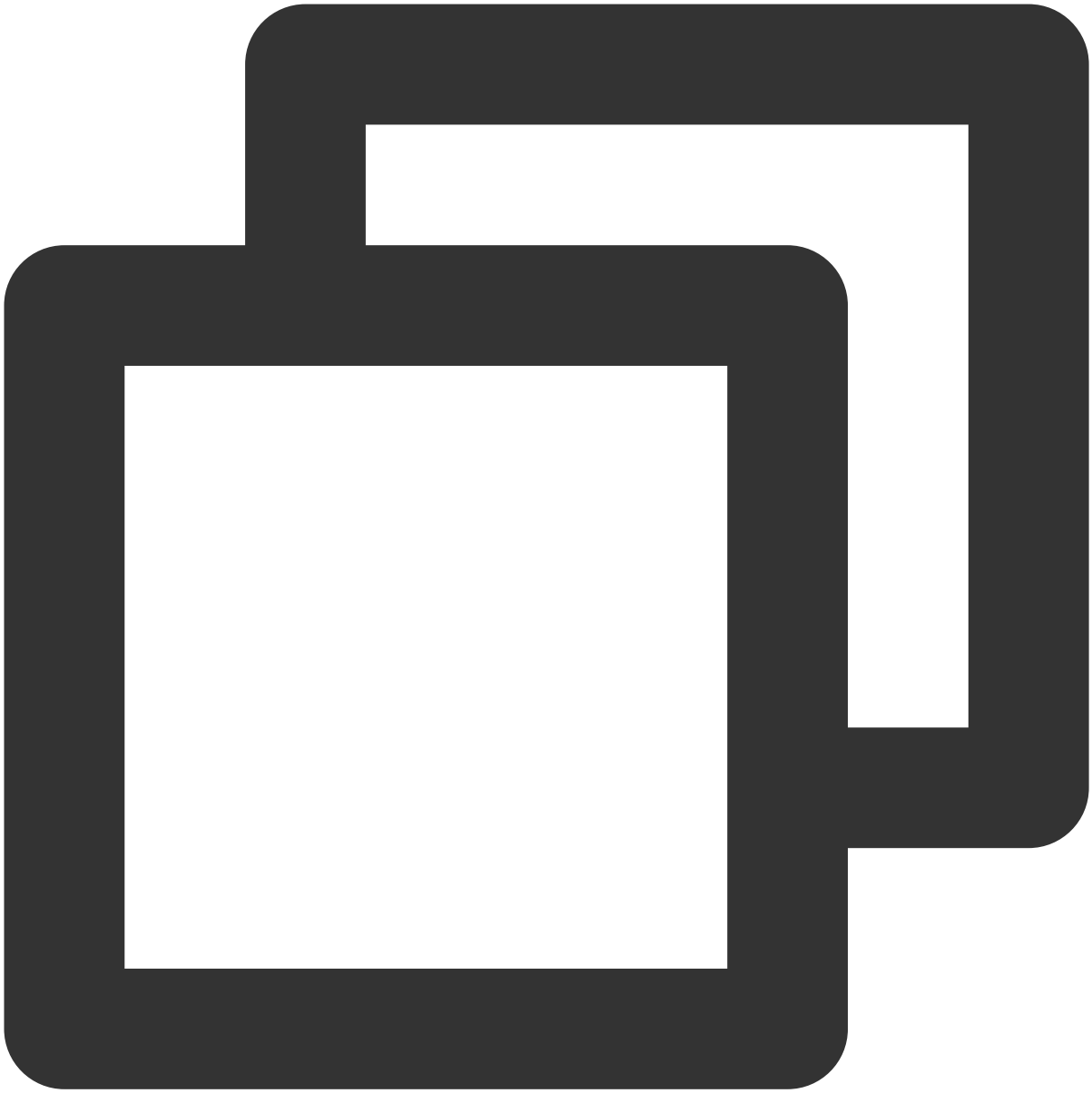
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Example 3: scaling in padding mode

This example scales the input image as large as possible in a 600 x 600 rectangle and pads the blank area with a specified color:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/thum
```

Output image:

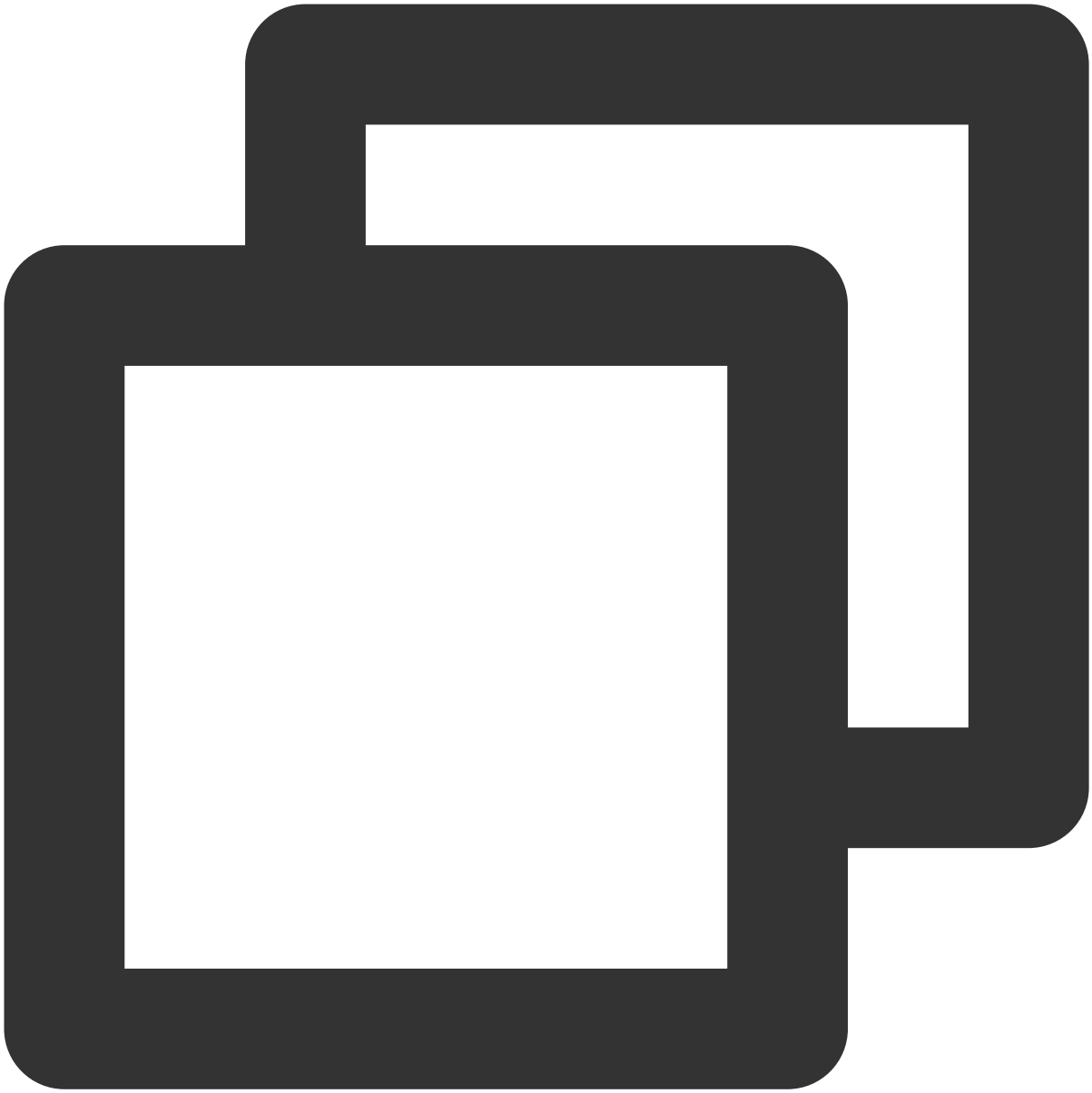
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Example 4: scaling in padding mode with a signature carried

This example processes the image in the same way as in the example above except that a signature is carried. The signature is joined with other processing parameters using an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

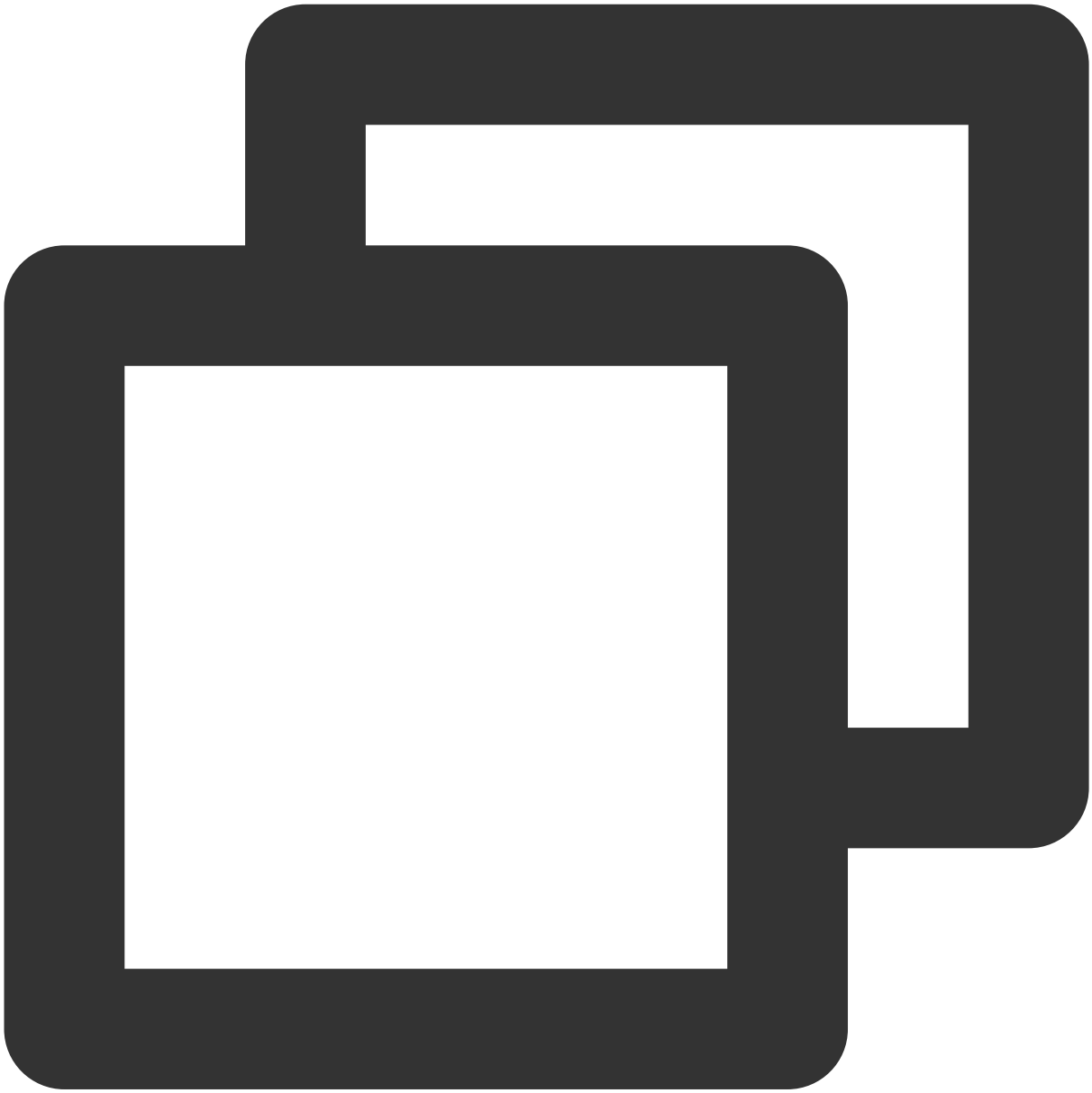
Note:

You can obtain the value of `<signature>` by referring to Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Cropping

Last updated：2024-02-18 10:36:35

Feature Overview

CI uses the **imageMogr2** API to crop images, including regular cropping, scaling and cropping, cropping to circle, rounded corner cropping, and smart face cropping.
An image can be processed:
During download
During upload
In the cloud

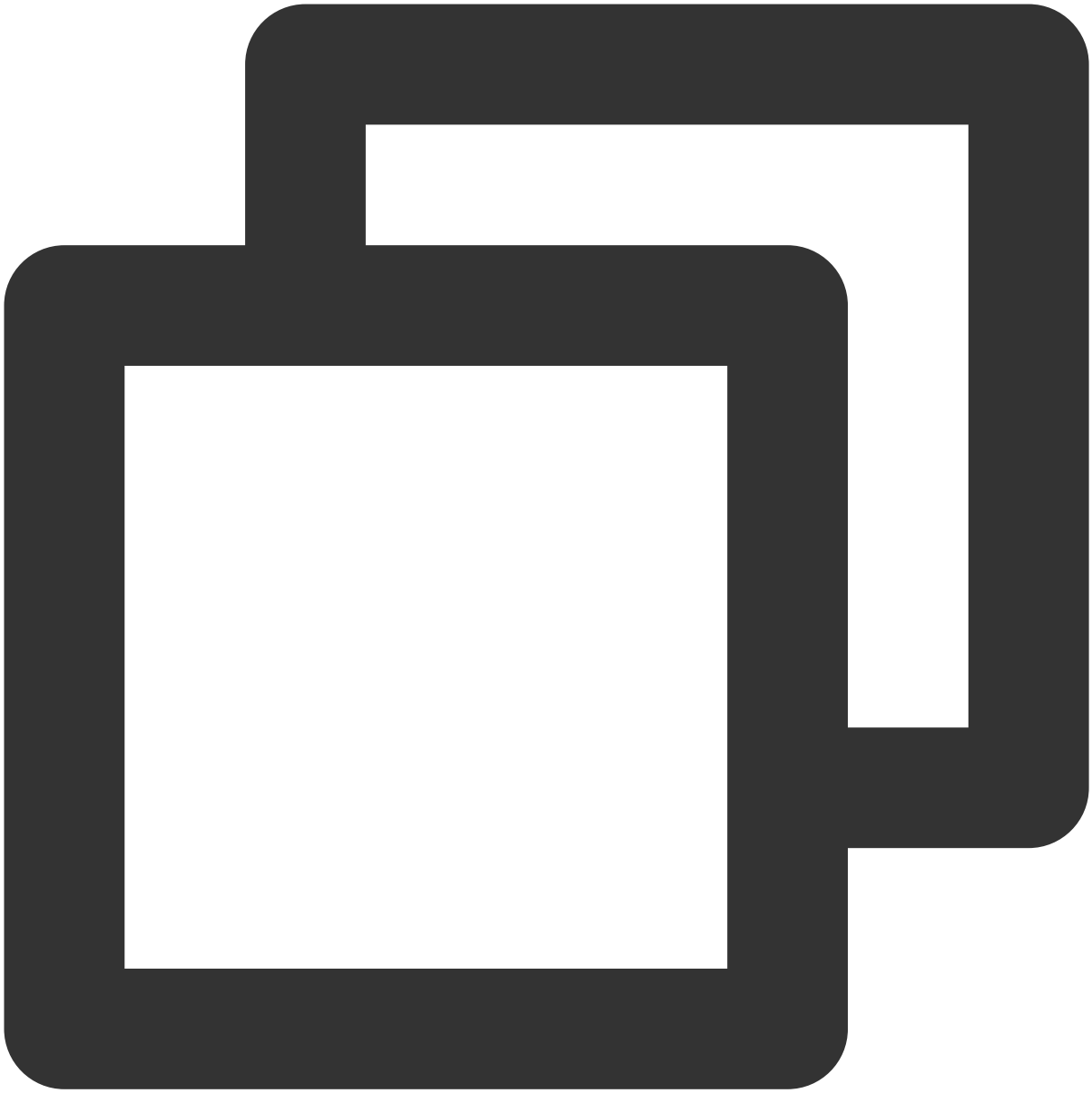
Restrictions

Format: Currently, JPG, BMP, GIF, PNG, and WebP images can be processed, and HEIF images can be decoded and processed.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

API Sample

1. Processing during download

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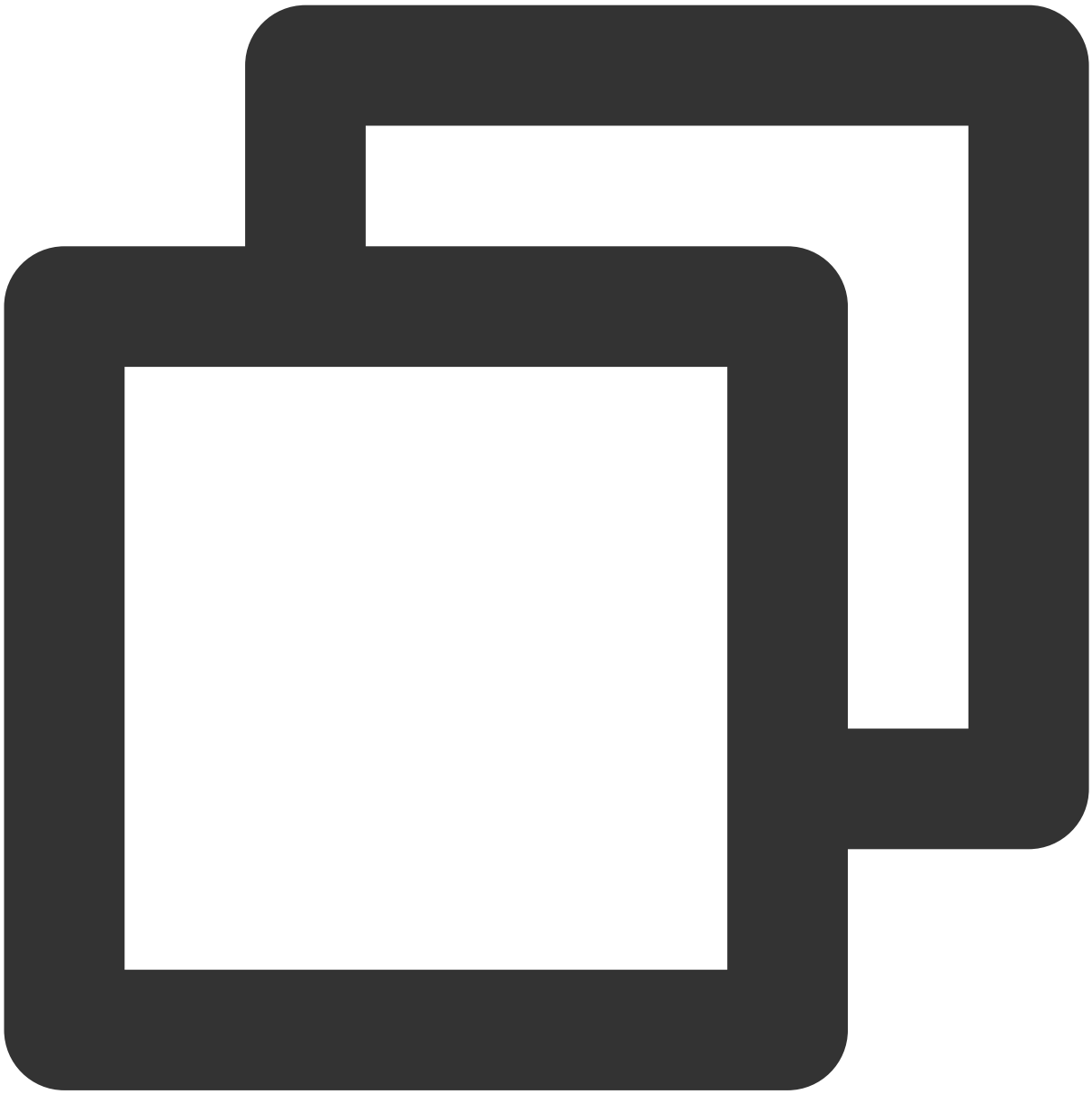
```
GET /<ObjectKey>?imageMogr2/cut/<width>x<height>x<dx>x<dy>
                           /crop/<imageSizeAndOffsetGeometry>
                           /iradius/<radius>
                           /rradius/<radius>
                           /scrop/<Width>x<Height> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

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Spaces and line breaks above are for readability only and can be ignored.

2. Processing during upload



```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
```

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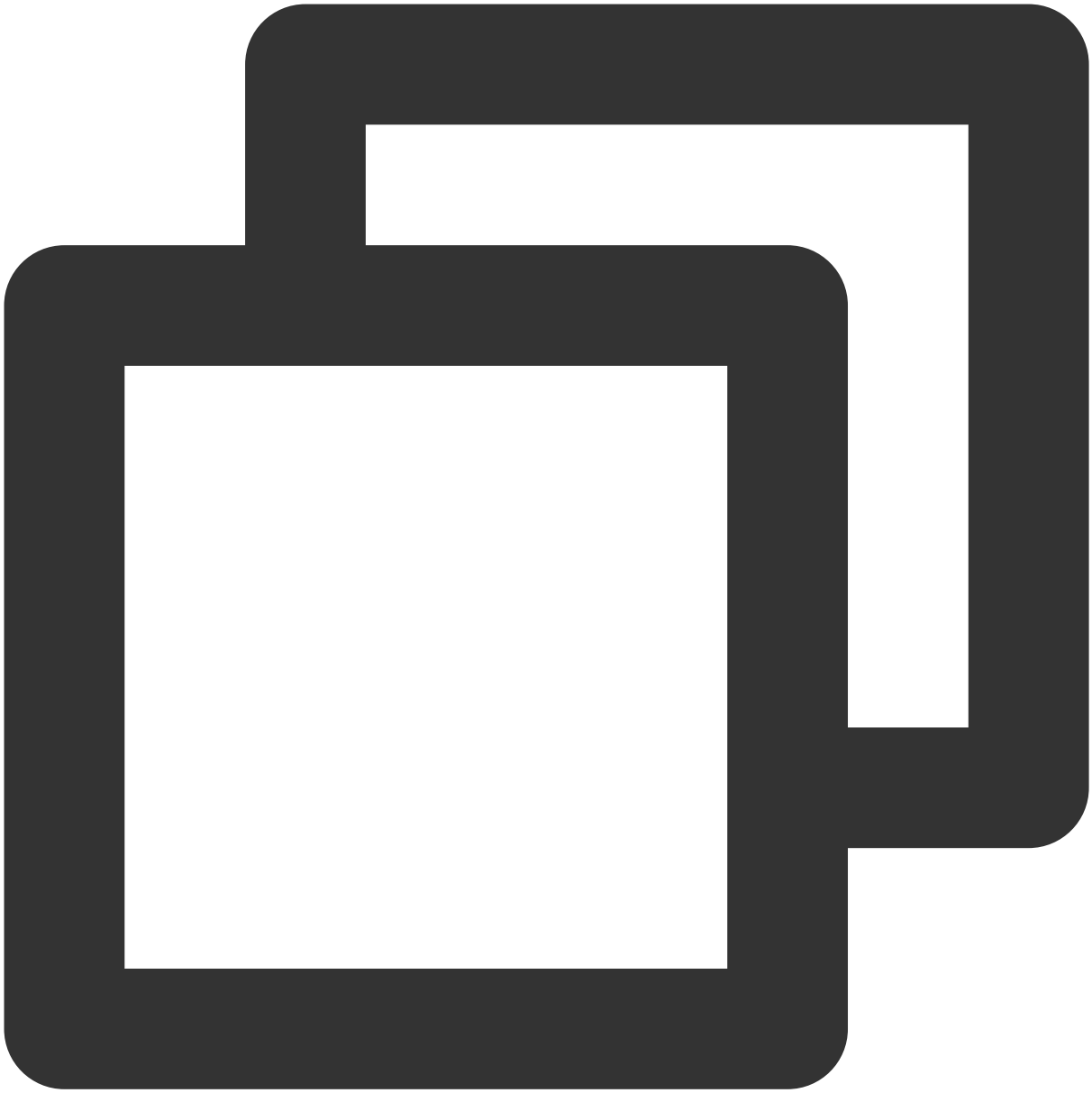
```
    "rules": [{
        "fileid": "exampleobject",
        "rule": "imageMogr2/cut/<width>x<height>x<dx>x<dy>
                        /crop/<imageSizeAndOffsetGeometry>
                        /iradius/<radius>
                        /rradius/<radius>
                        /scrop/<Width>x<Height>"
    }]
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data

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```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/cut/<width>x<height>x<dx>x<dy>
```

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```
                        /crop/<imageSizeAndOffsetGeometry>
                        /iradius/<radius>
                        /rradius/<radius>
                        /scrop/<Width>x<Height>"
    }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

Parameters for regular cropping

Operation name: cut.

Parameter	Description
<width>	Width of the output image
<height>	Height of the output image
<dx>	Horizontal offset relative to the top-left vertex
<dy>	Vertical offset relative to the top-left vertex

Note:

The values should be greater than 0 and smaller than the width/height of the input image.

Parameters for scaling and cropping

Operation name: crop.

Parameter	Description
/crop/<Width>x	Width of the output image with the height unchanged. The value must be greater

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	than 0 and smaller than the width of the input image.
/crop/x<Height>	Height of the output image with the width unchanged. The value must be greater than 0 and smaller than the height of the input image.
/crop/<Width>x<Height>	Width and height of the output image. The values of width and height should be greater than 0 and smaller than those of the input image, respectively.

When performing scaling and cropping, you can also use the `gravity` parameter to specify the start position of the operation. For more information, see [Scaling and cropping](#Scaling and cropping).

Parameters for cropping to circle

Operation name: iradius.

Parameter	Description
/iradius/<radius>	Crops to a circle. `radius` specifies the radius of the inscribed circle, which should be an integer greater than zero and less than half of the shorter side of the input image. The center of the inscribed circle is the center of the image. This operation is not supported for GIF images.

Parameters for rounded corner cropping

Operation name: rradius.

Parameter	Description
/rradius/<radius>	Crops with round corners. `radius` specifies the radius of the rounded corner of the image, which should be an integer greater than zero and less than half of the shorter side of the input image. The two sides of the image are the tangent lines of the rounded corner. This operation is not supported for GIF images.

Parameters for smart face cropping

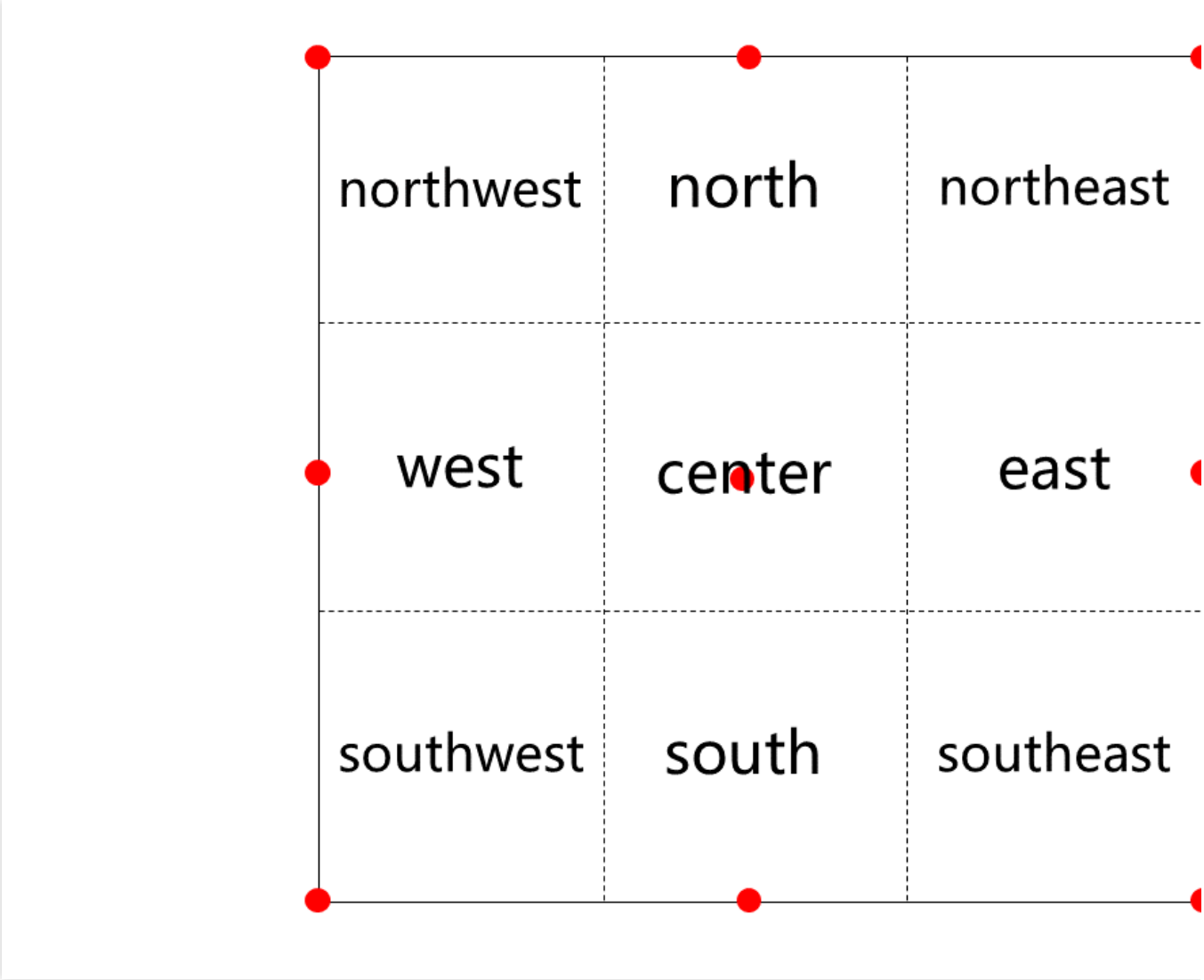
Operation name: scrop.

Parameter	Description
/scrop/<Width>x<Height>	Scales and crops an image based on the face position in the image. The width and height of the target image are specified by `Width` and `Height` respectively.

3x3 Grid Position Diagram

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The 3x3 grid position diagram is as follows. Once you specify the `gravity` parameter for an operation, the corresponding red dot becomes the reference point, and offsets will be relative to this point.



Note:

If `gravity` is set to `center`, `dx` and `dy` are invalid.

If `gravity` is set to `north` or `south`, `dx` is invalid.

If `gravity` is set to `west` or `east`, `dy` is invalid.

Samples

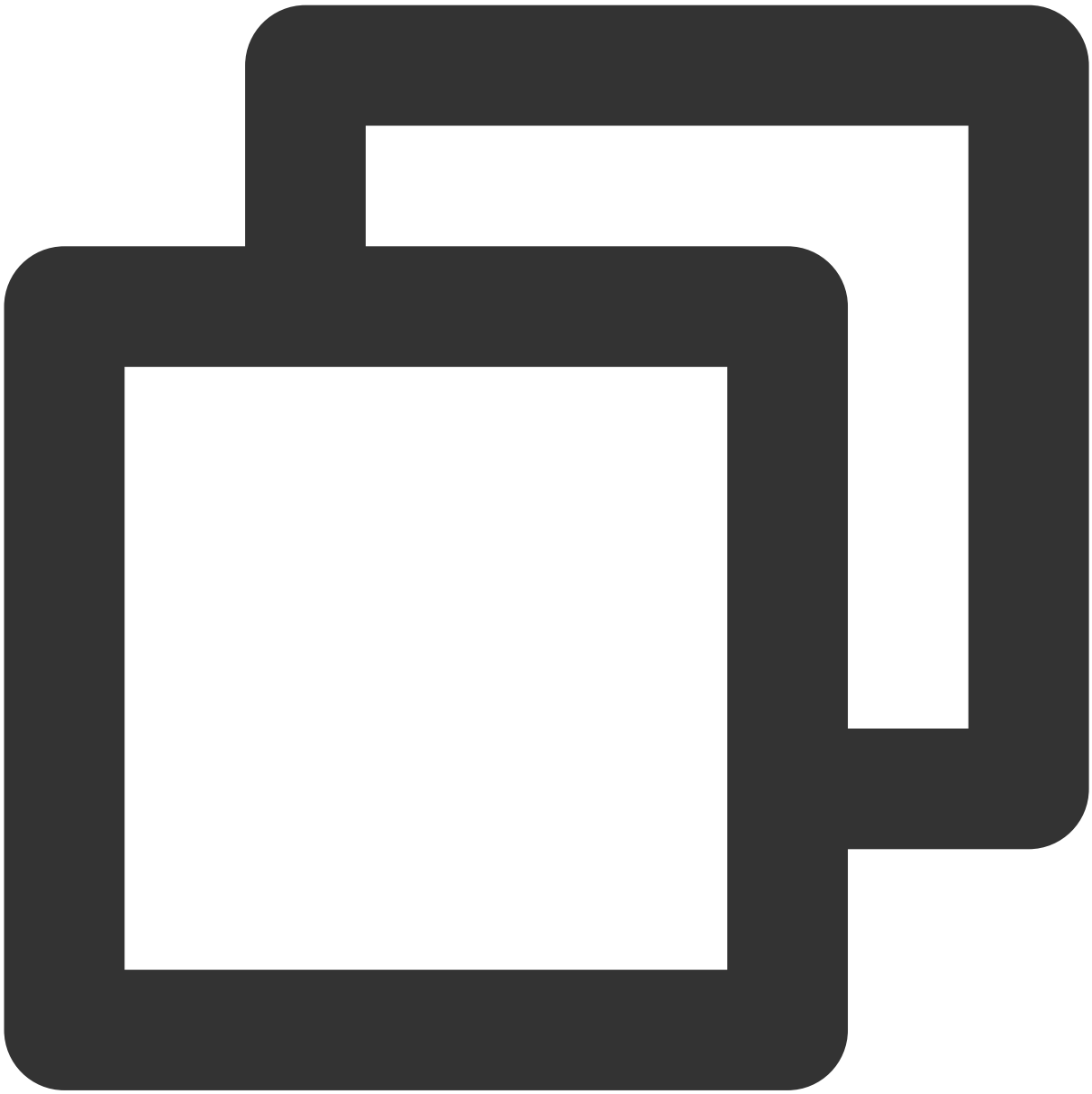
Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

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Sample 1: Regular cropping

This example shows how to translate by 100 px horizontally to the right and 10 px vertically to the bottom relative to the top-left vertex of the input image and then crop it according to the specified target image resolution of 600x600 px.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/cut/
```

Input image:

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Output image:

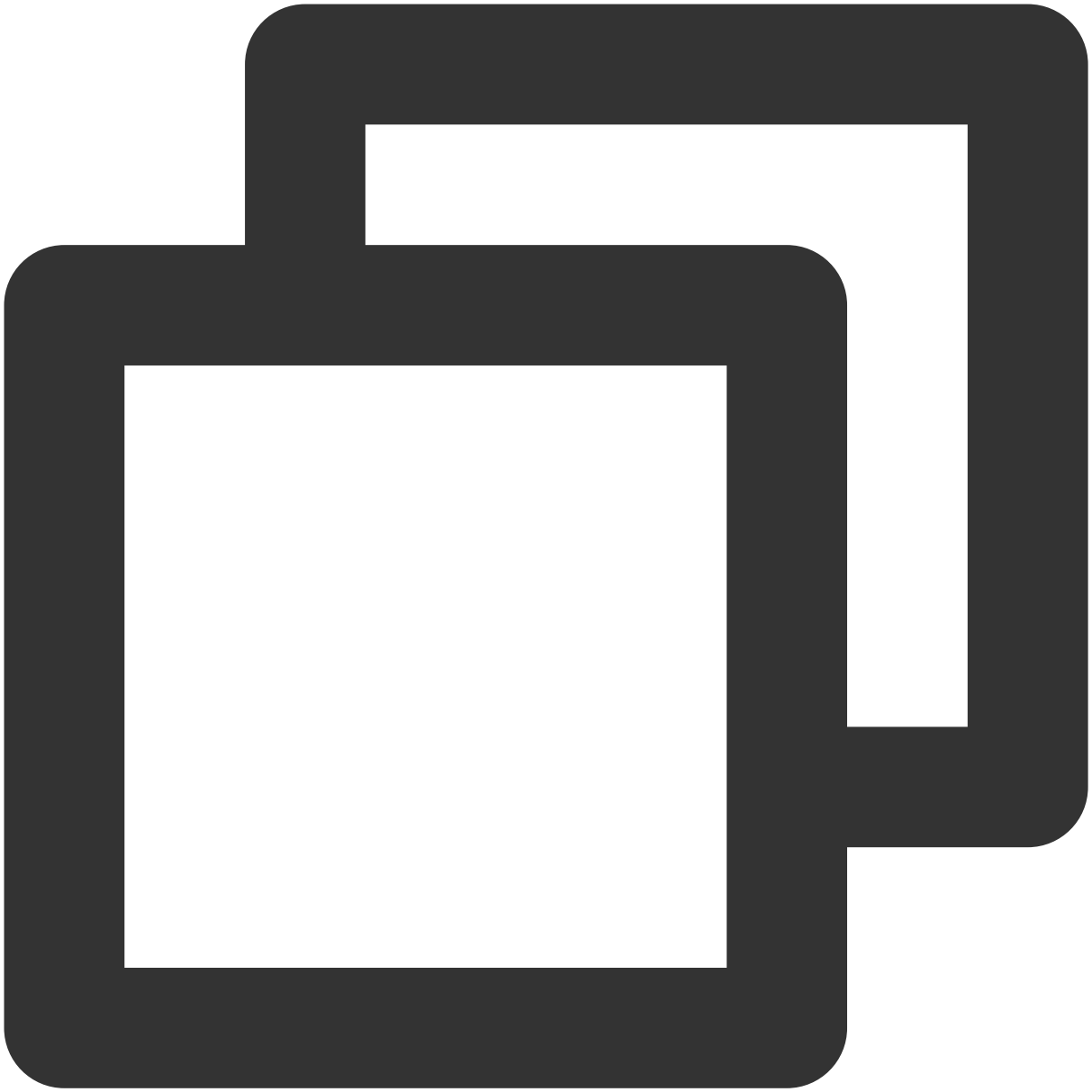
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Sample 2: Scaling and cropping

This example shows how to scale and crop an image to 300x400 px by using the center as the reference point.

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/crop
```

Output image:

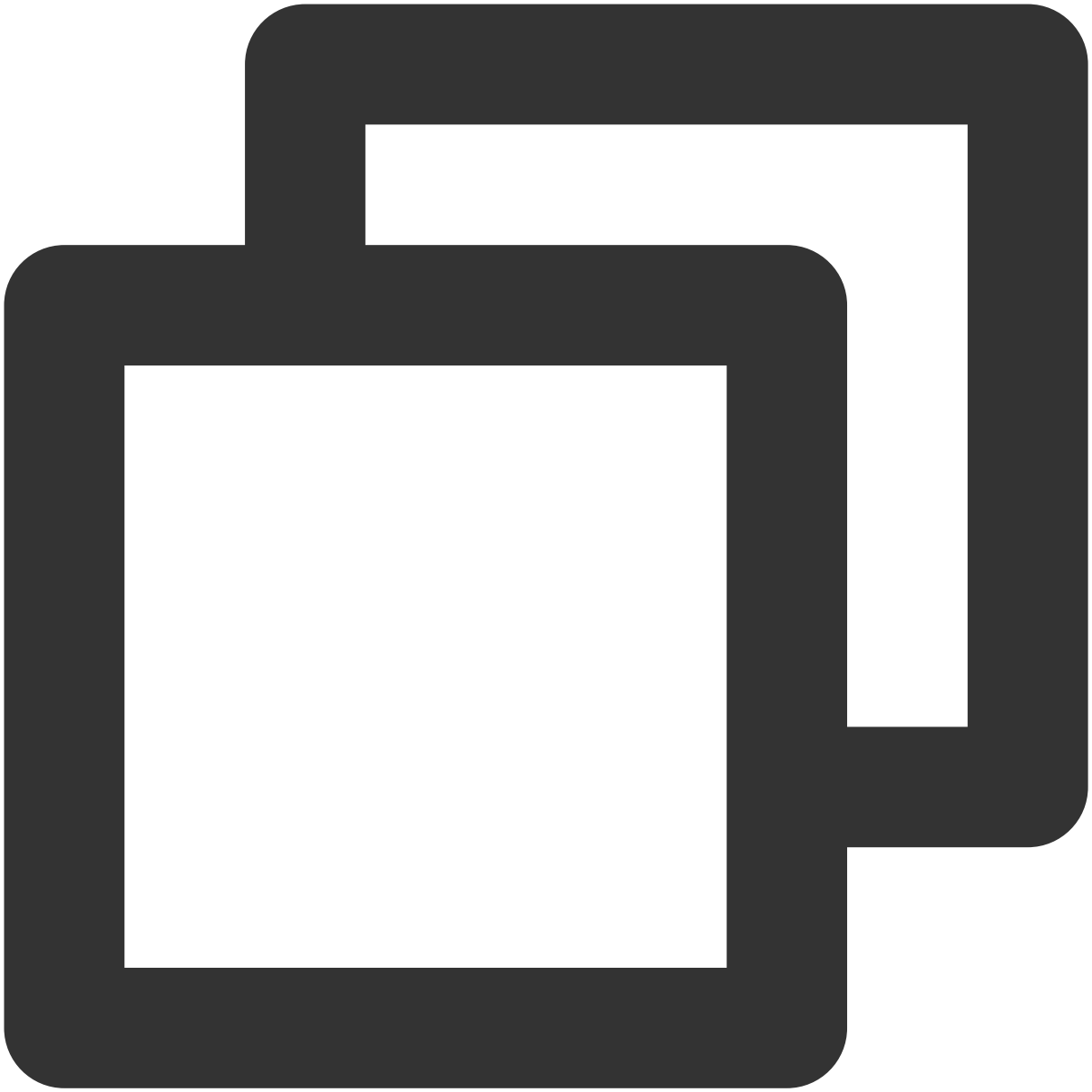
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Sample 3: Cropping to circle

This example shows how to crop the input image to a circle with the radius of 200.

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/irad
```

Output image:

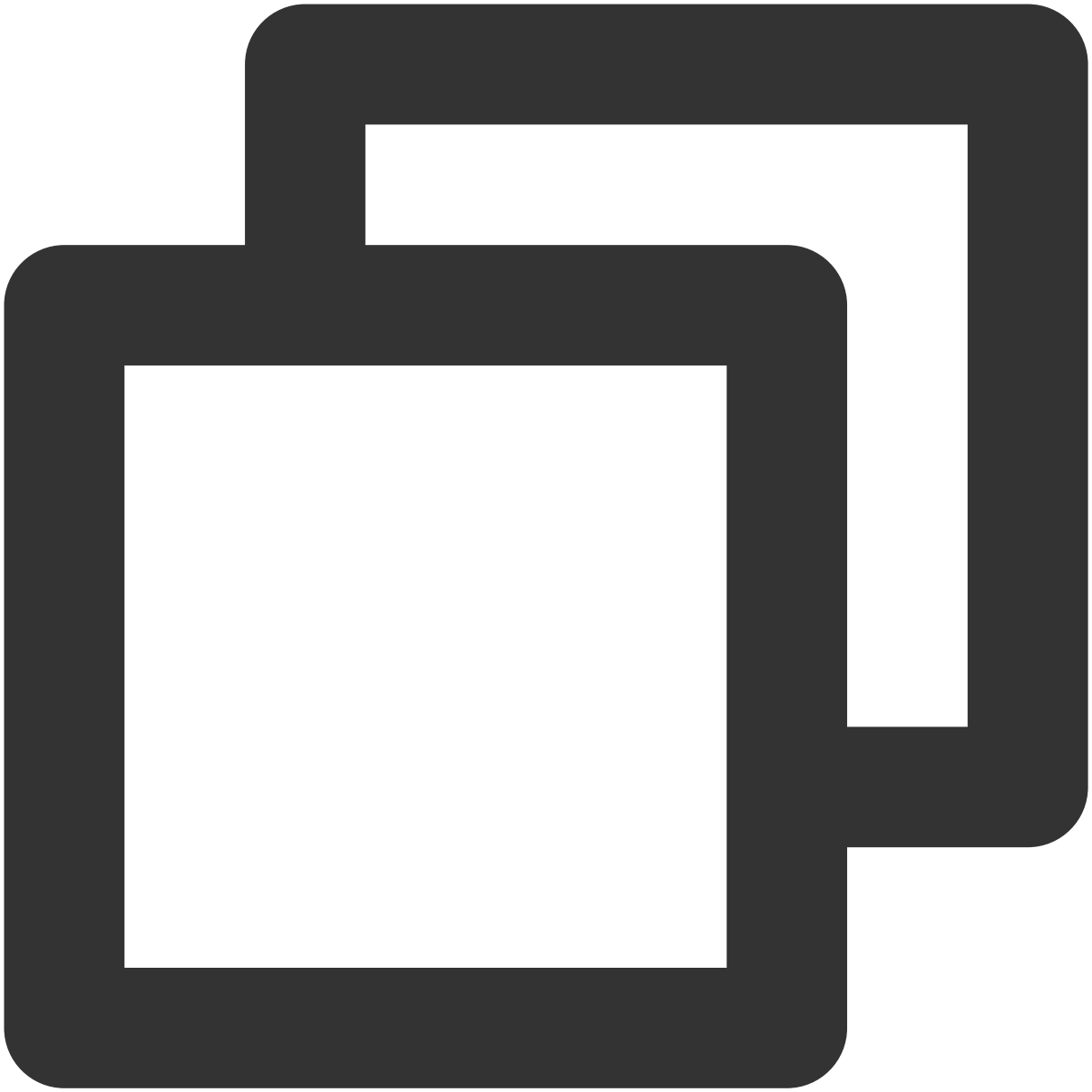
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Sample 4: Rounded corner cropping

This example shows how to crop the input image to rounded corners with the radius of 100.

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/rrad
```

Output image:

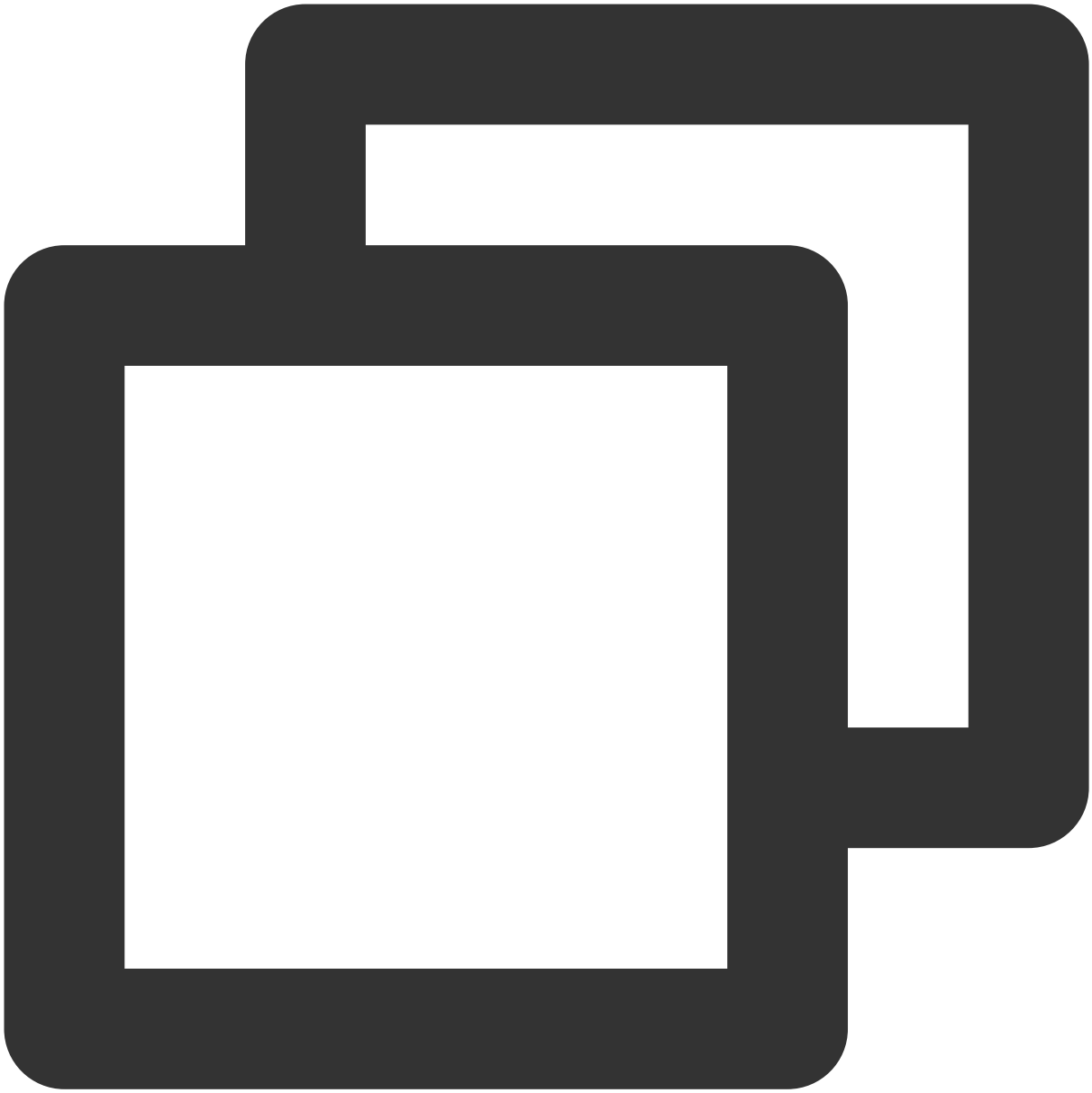
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Sample 5: Smart face cropping

This example shows how to crop the input image to the specified resolution of 100x600 px based on the face position in the image.

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/scro
```

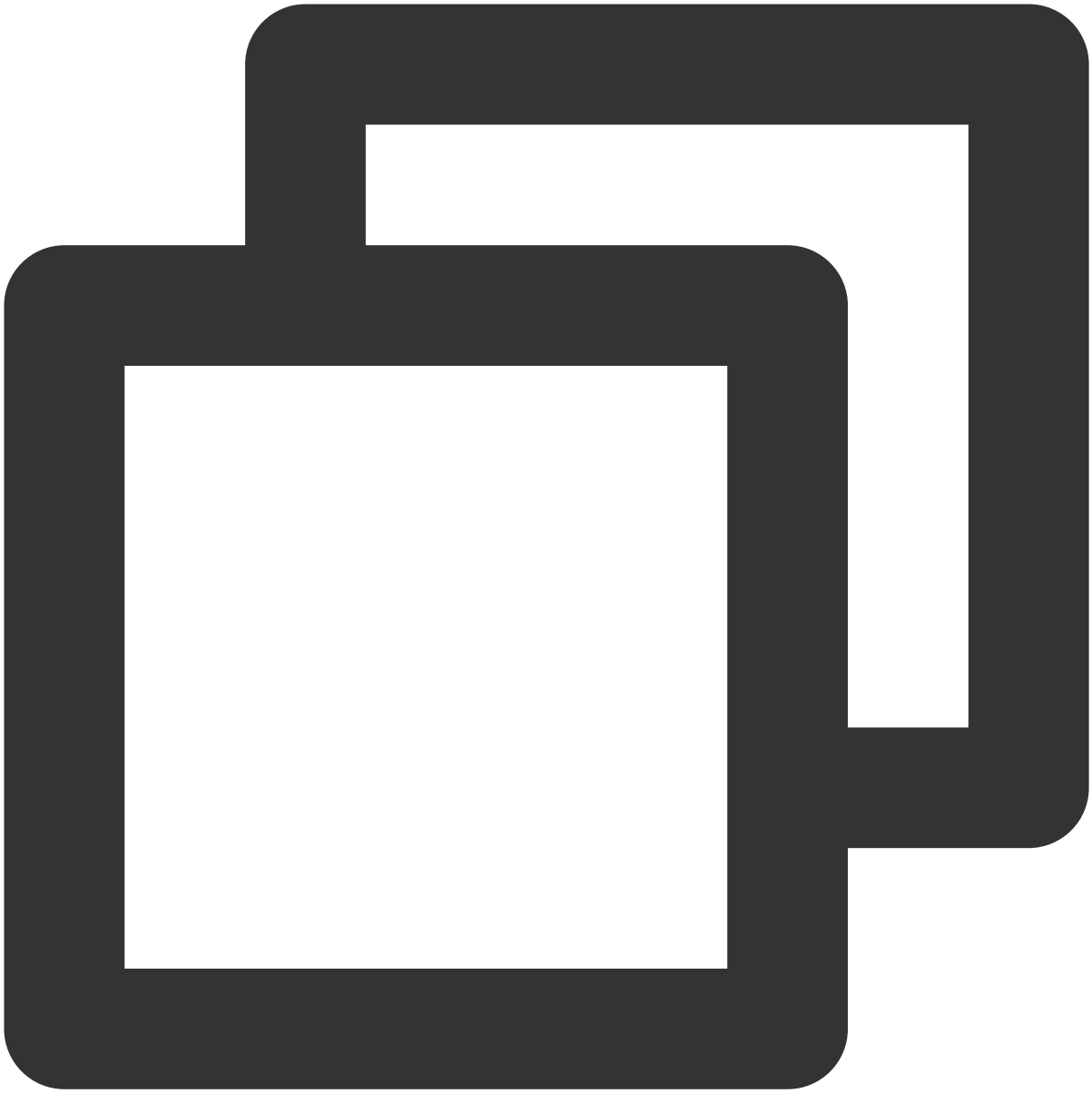
Note:

If no face is recognized, the input image will be returned.

Sample 6: Smart face cropping with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

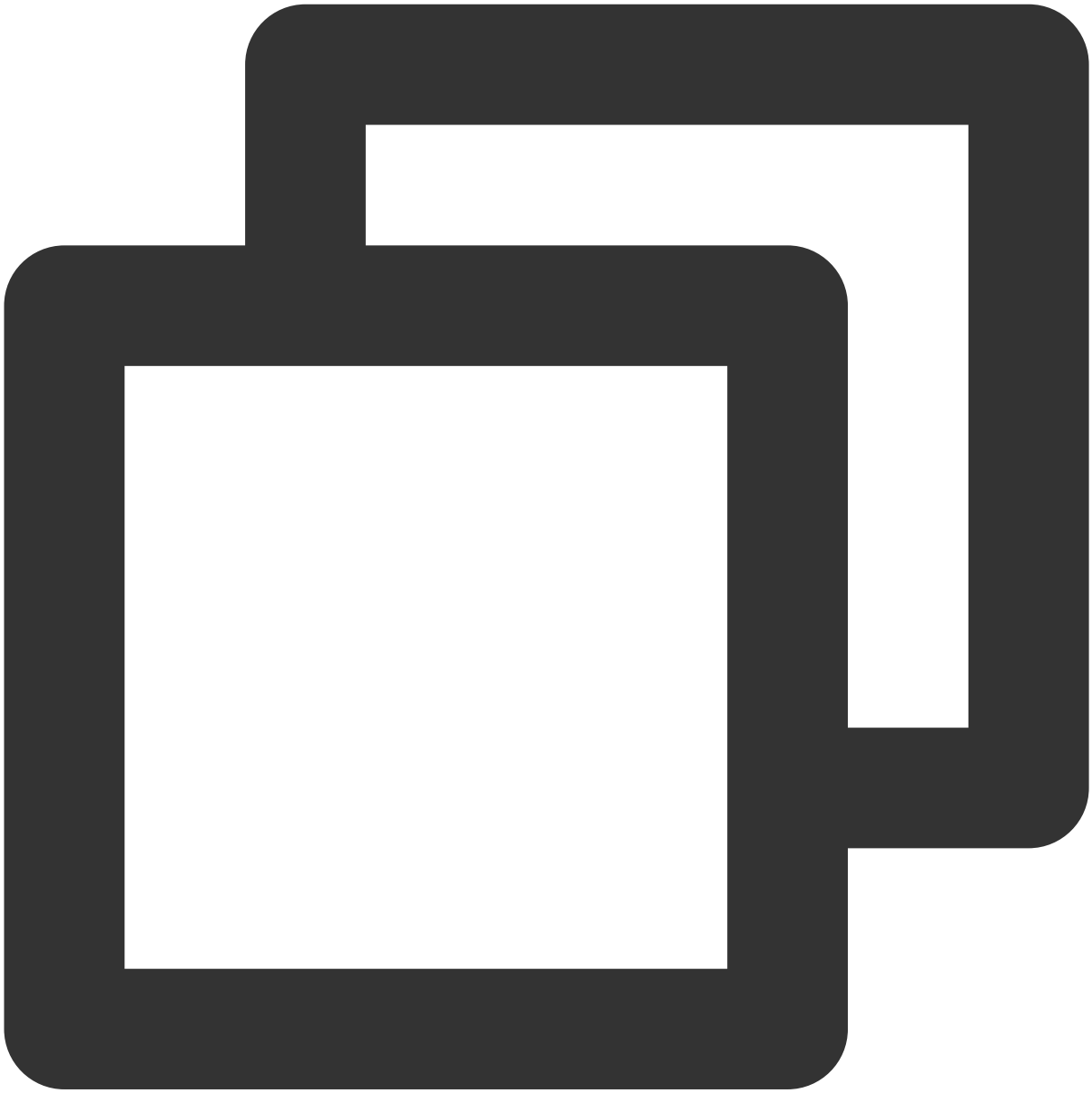
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Rotation

Last updated：2024-02-18 10:36:35

Feature Overview

CI uses the **imageMogr2** API to rotate an image by a specified angle or automatically.
An image can be processed:
During download
During upload
In the cloud

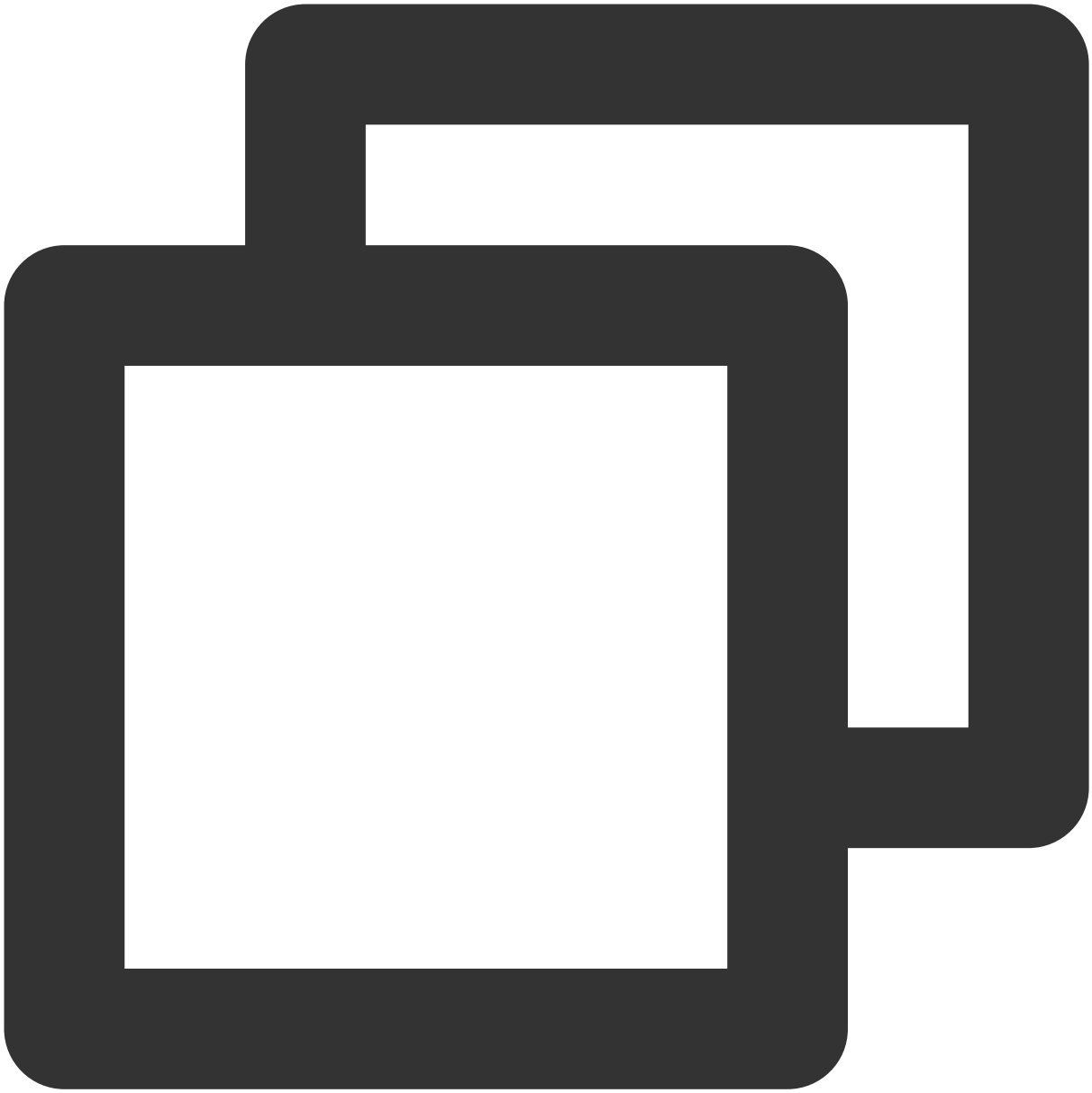
Restrictions

Format: Currently, JPG, BMP, GIF, PNG, and WebP images can be processed, and HEIF images can be decoded and processed.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

API Format

1. Processing during download

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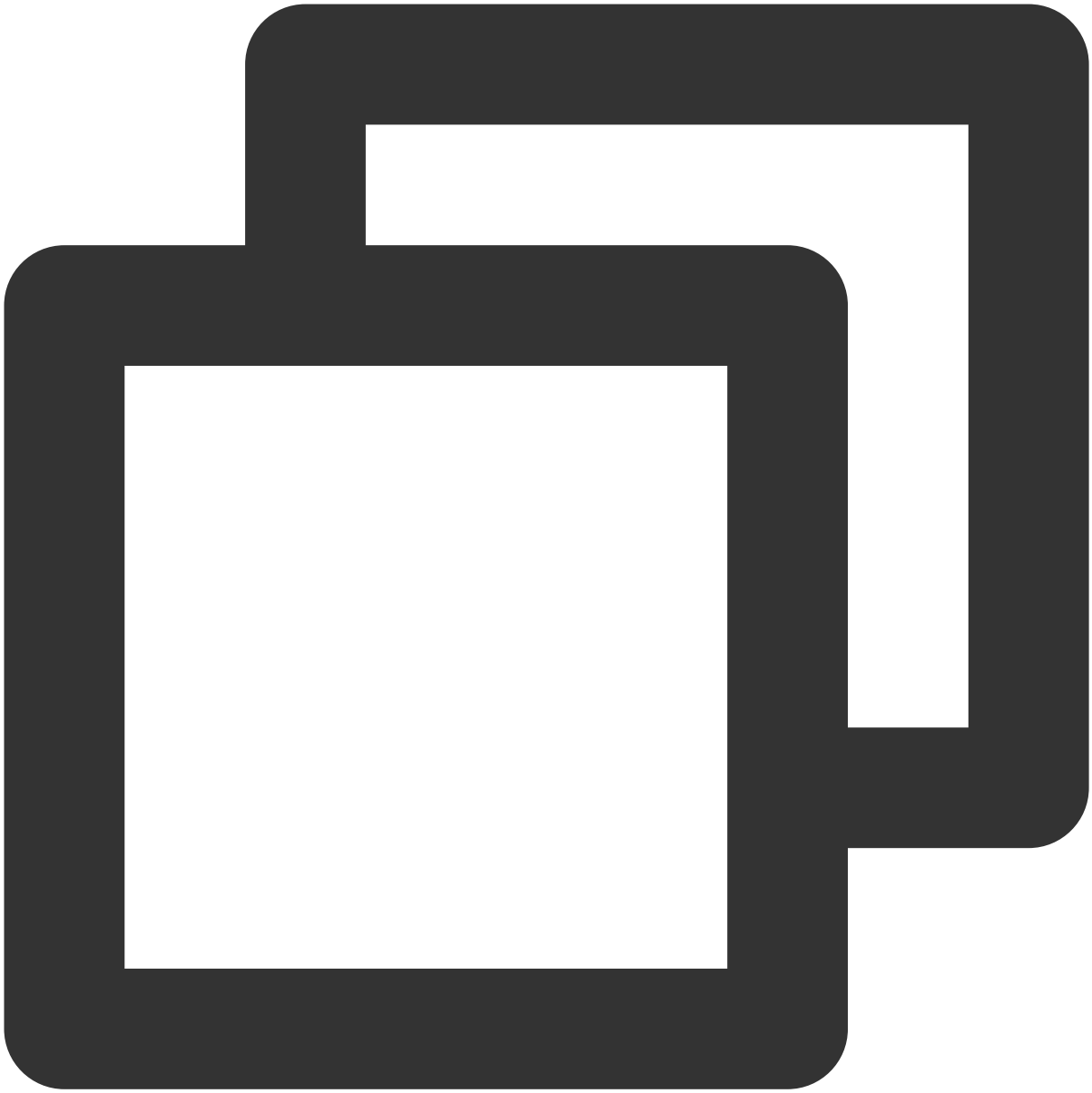
```
GET /<ObjectKey>?imageMogr2/rotate/<rotateDegree>
                /auto-orient HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Spaces and line breaks above are for readability only and can be ignored.

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/rotate/<rotateDegree>
                      /auto-orient"
```

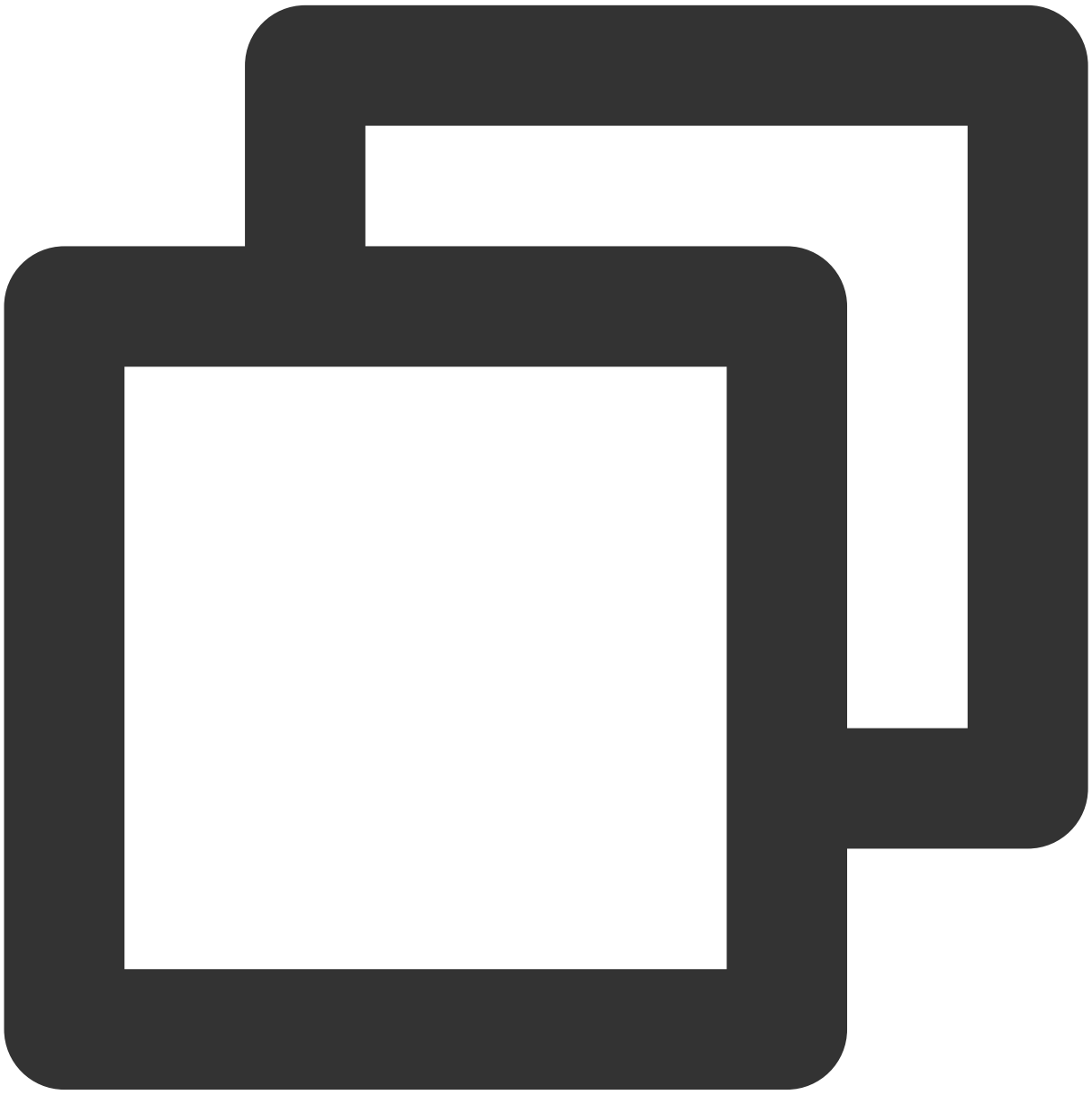
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```
    }]
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
```

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```
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/rotate/<rotateDegree>
                      /auto-orient"
  }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/rotate/<rotateDegree>	Rotates an image clockwise by a specified angle. The value can be 0–360. By default, the image is not rotated.
/auto-orient	Rotates an image automatically according to its EXIF data.
/flip/<flip>	Flips an image. Valid values: `vertical` , `horizontal` .
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

Samples

Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

Sample 1: Rotating an image by a specified angle

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This example rotates an image clockwise by 90 degrees:

```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/rota
```

Output image:



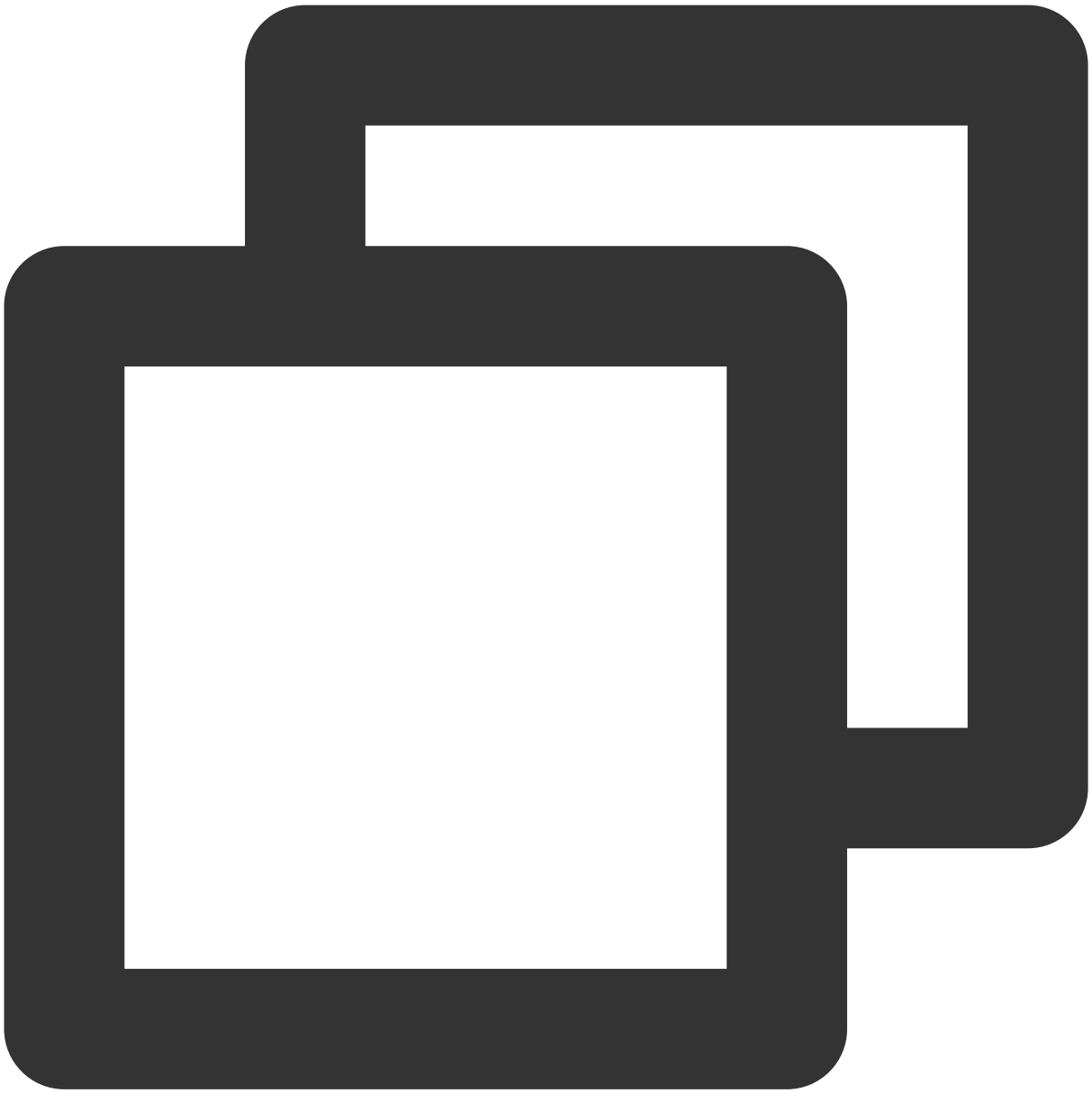
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Sample 2: Rotating an image by a specified angle with a signature carried

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This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

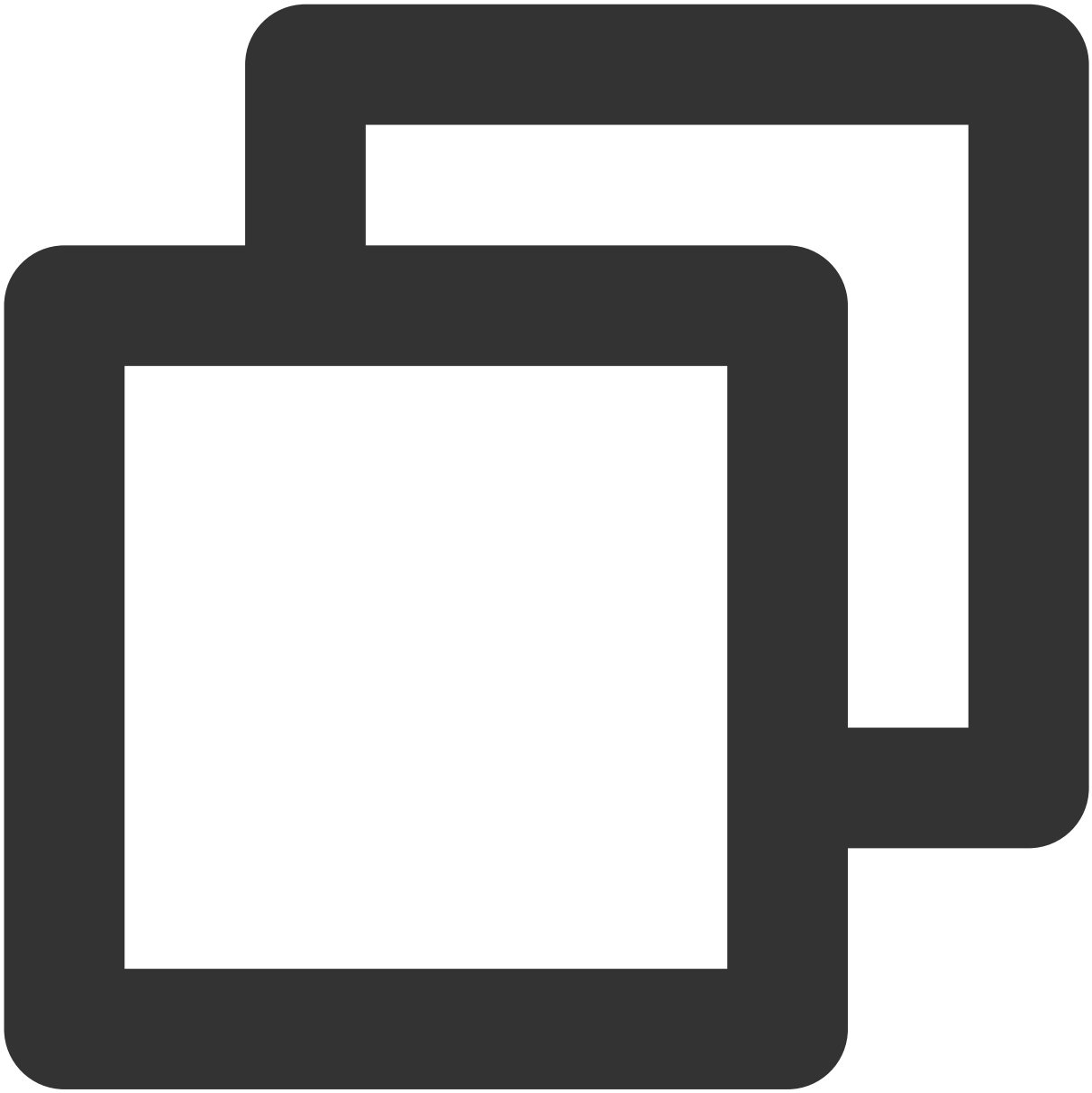
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Converting Format

Last updated：2024-02-18 10:36:36

Feature Overview

CI uses the **imageMogr2** API to perform format conversion, GIF optimization, and progressive display.
An image can be processed:
During download
During upload
In the cloud

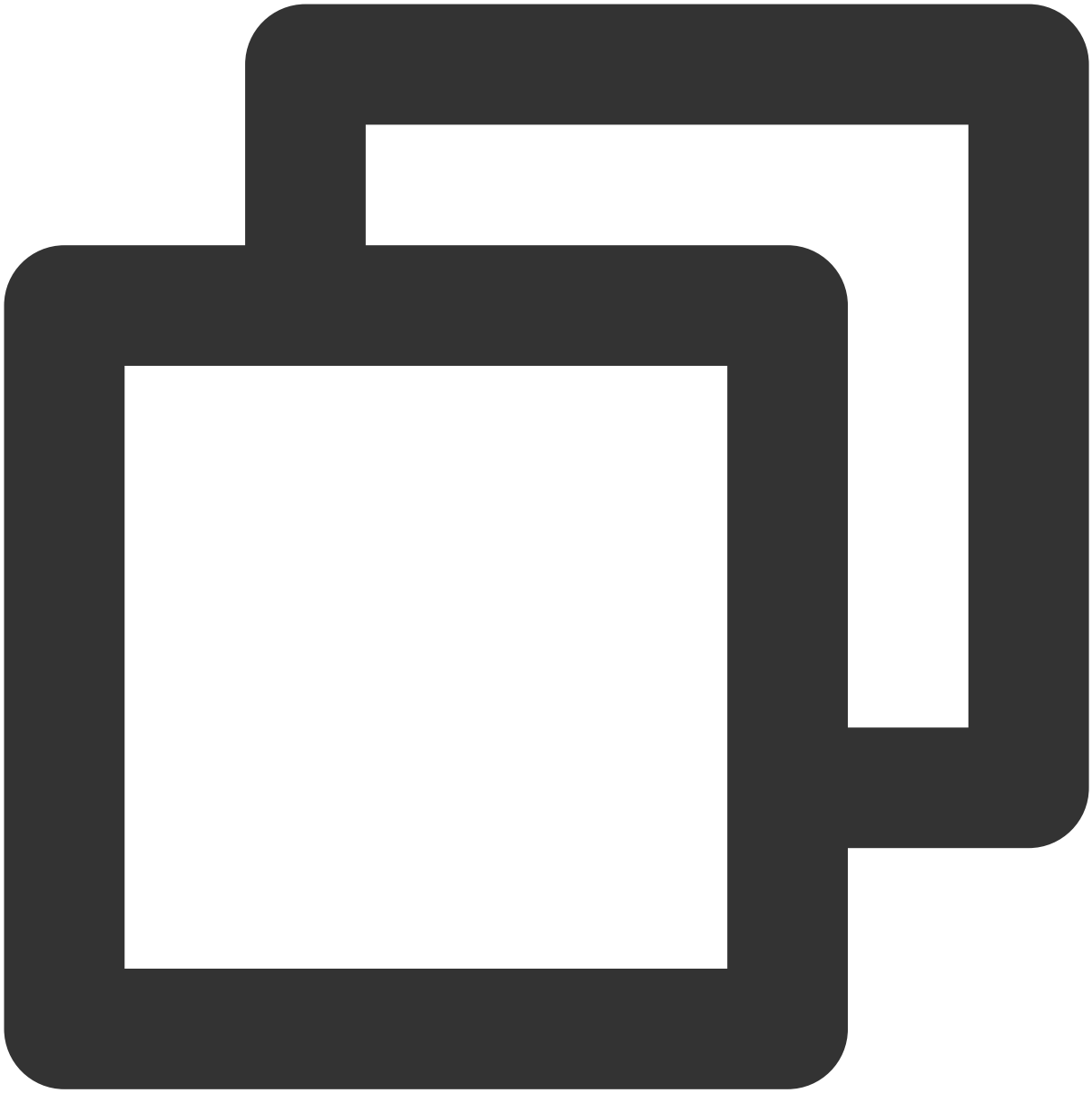
Restrictions

Animated image formats such as GIF, WebP, and TPG can be interconverted.
Static image formats such as JPG, PNG, BMP, TPG, and HEIF can be interconverted.

API Format

1. Processing during download

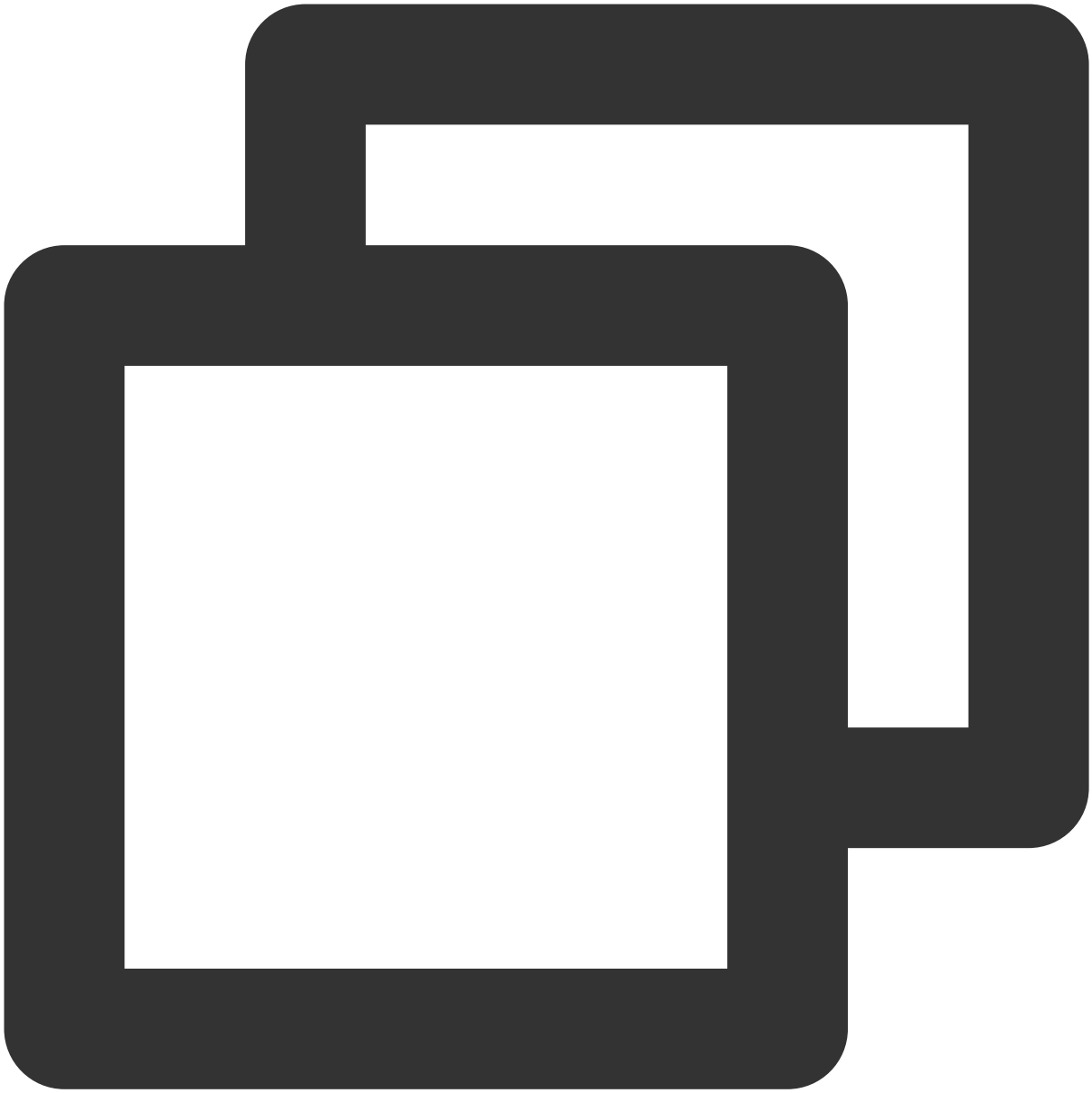
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```
GET /<ObjectKey>?imageMogr2/format/<Format>
               /cgif/<FrameNumber>
               /interlace/<Mode> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/format/<Format>
                      /cgif/<FrameNumber>
```

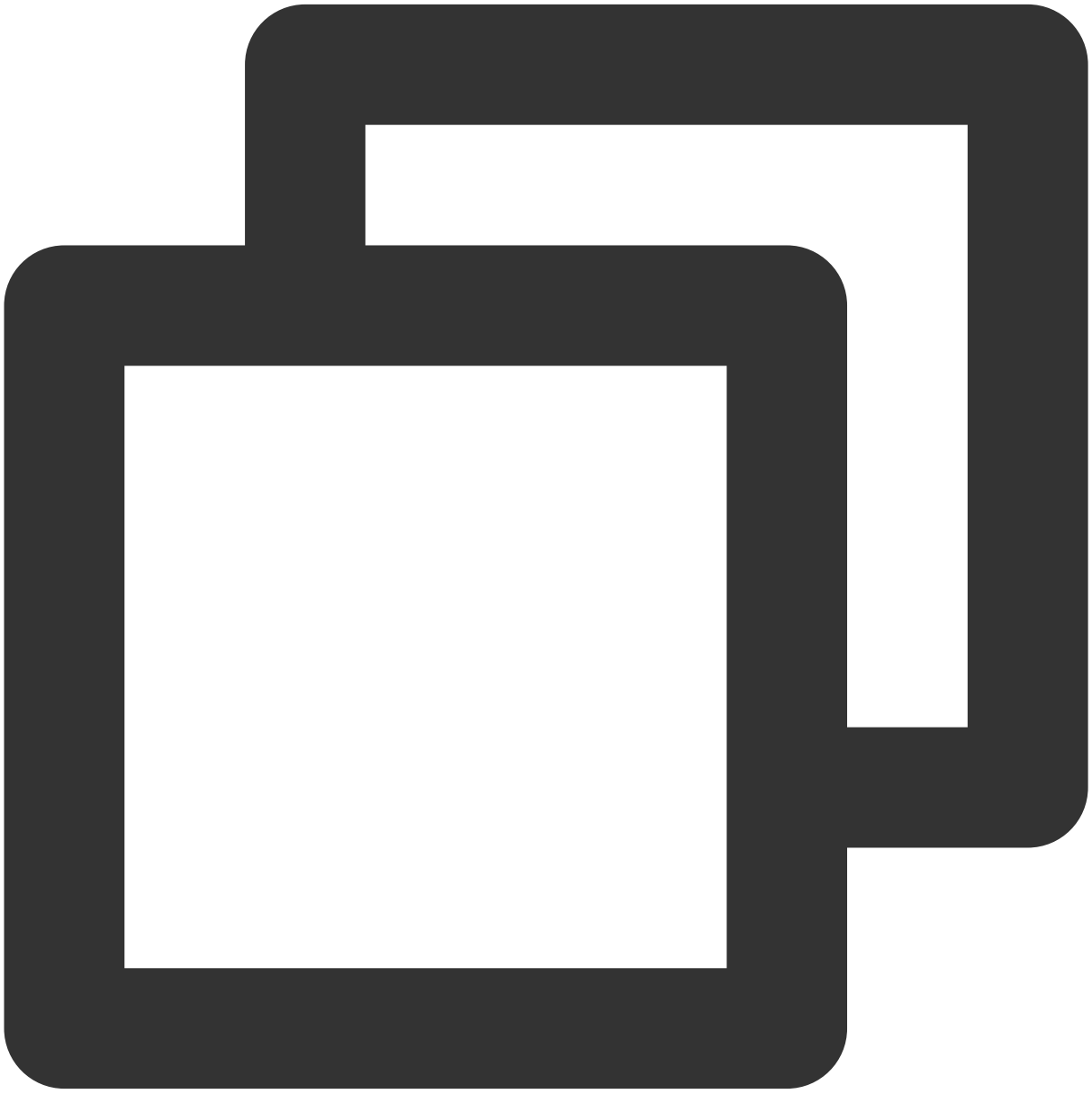
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```
                        /interlace/<Mode>"
    }]
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
```

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```
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/format/<Format>
                        /cgif/<FrameNumber>
                        /interlace/<Mode>"
  }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/format/<Format>	Converts the image format. The target format can be JPG, BMP, GIF, PNG, WebP, or YJPEG (which is optimized based on JPEG and is essentially JPG). The default format is the format of the input image.
/cgif/<FrameNumber>	Optimizes images in the GIF format by reducing frames and colors of images. There are two cases: FrameNumber=1: Cut the input GIF to the default number of frames (30). If the original number of frames is greater than 30, excessive frames will be cut. FrameNumber=(1,100]: Compress the image to the specified number of frames (`FrameNumber`).
/interlace/<Mode>	Progressive mode of the output JPG image. Valid values: `0` (default value): Disables the progressive mode. `1` : Enables the progressive mode. This parameter takes effect only when the output image is in JPG format.
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

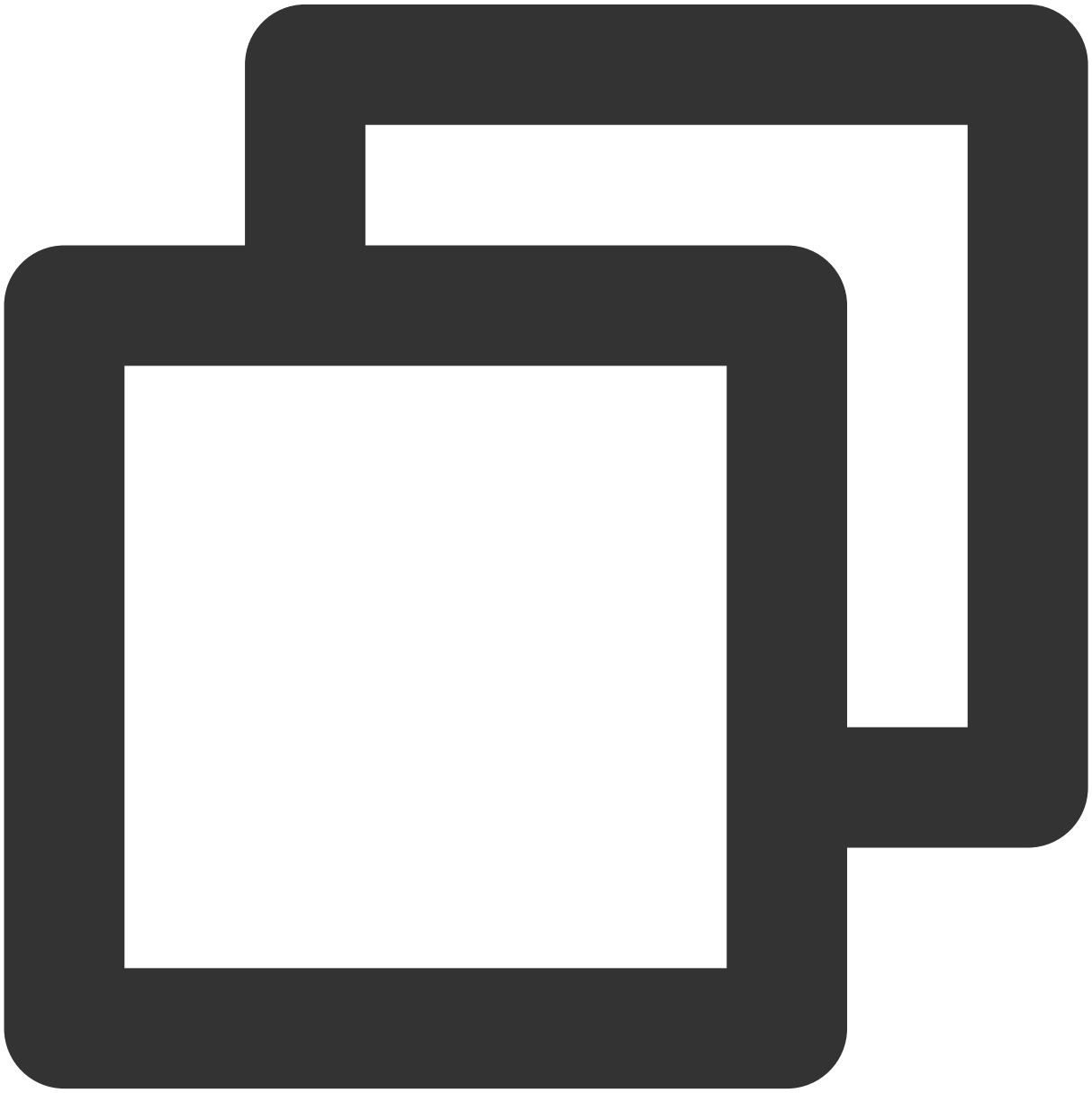
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Samples

Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

Sample 1: Converting a JPEG image to PNG format

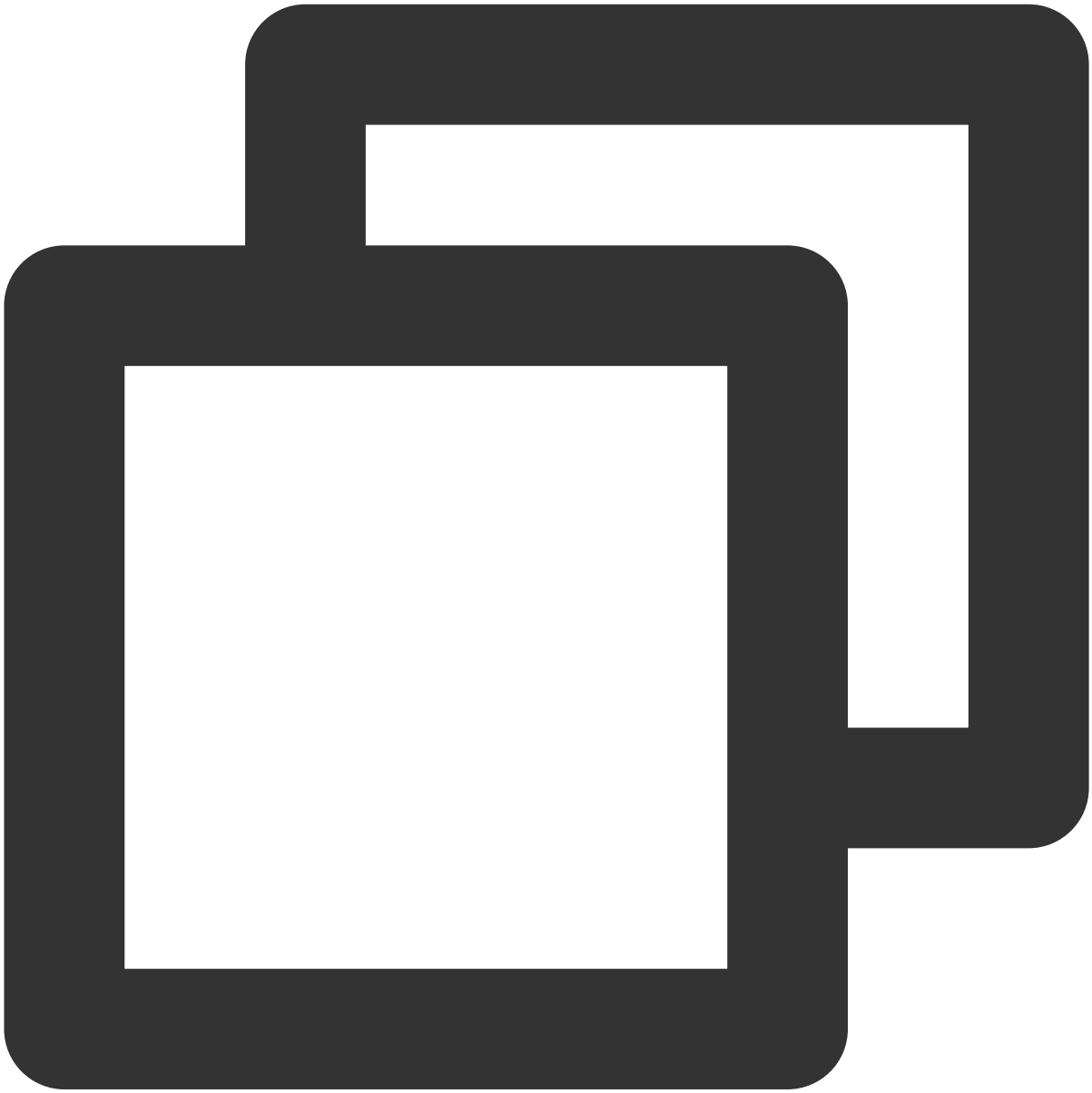


```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/form
```

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Sample 2: Converting a JPEG image to PNG format with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

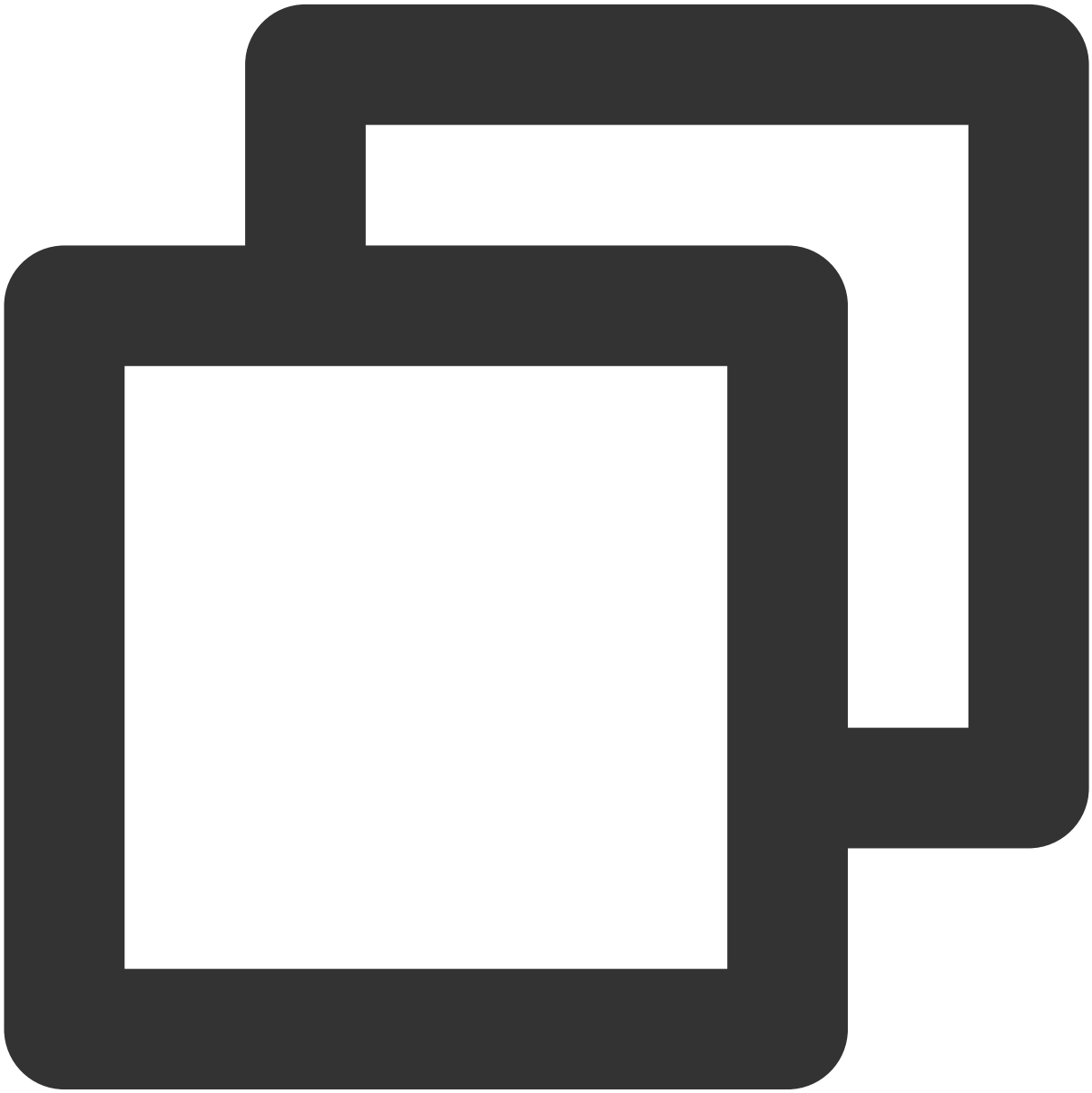
Note:

You can get the value of `<signature>` as instructed in Request Signature.

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Notes

To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Quality Change

Last updated：2024-02-18 10:36:35

Feature Overview

CI uses the **imageMogr2** API to adjust the quality of an image.

An image can be processed:

During download

During upload

In the cloud

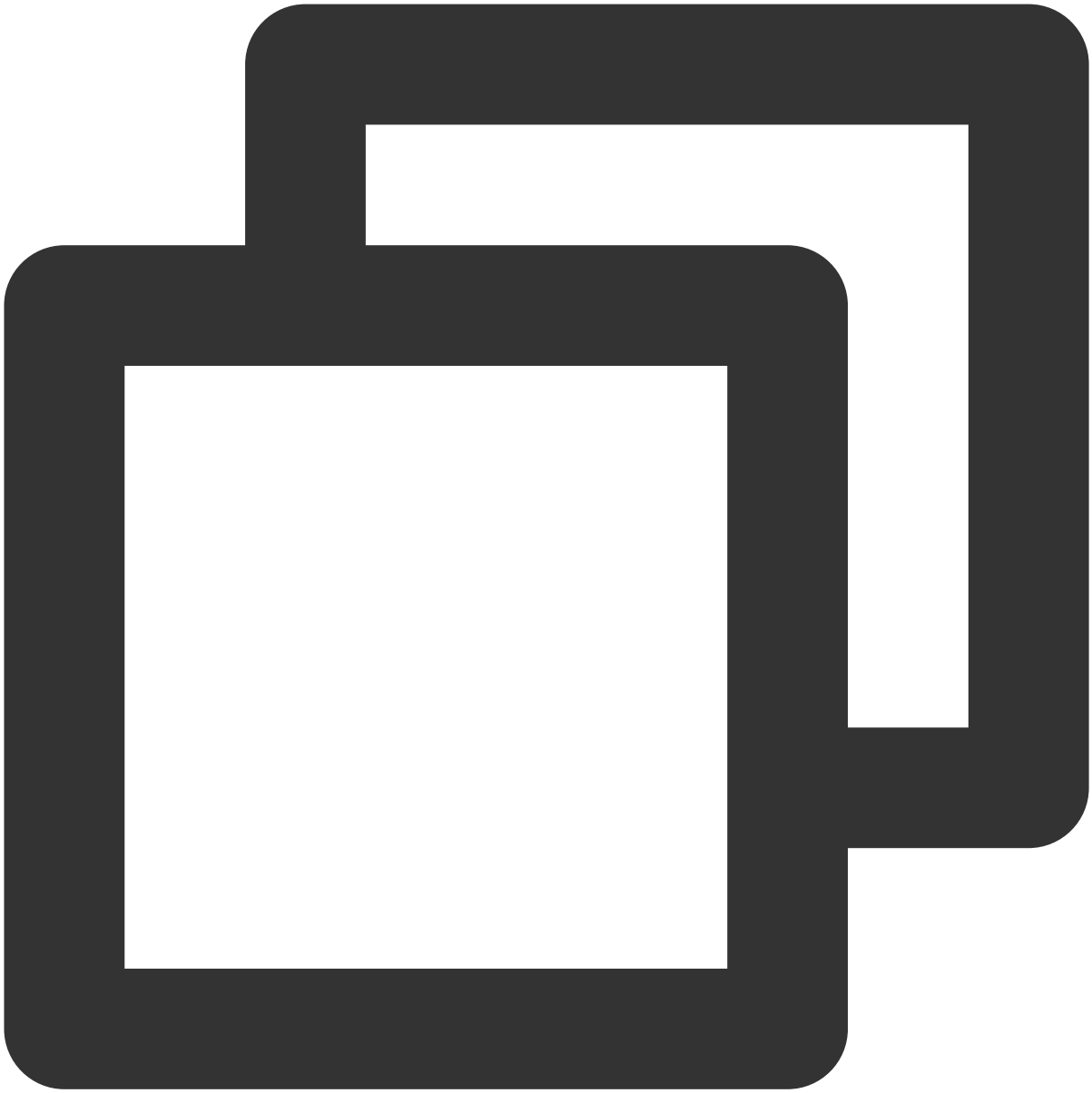
Note:

This API supports images in JPG, WebP, TPG, HEIF, or AVIF format.

API Sample

1. Processing during download

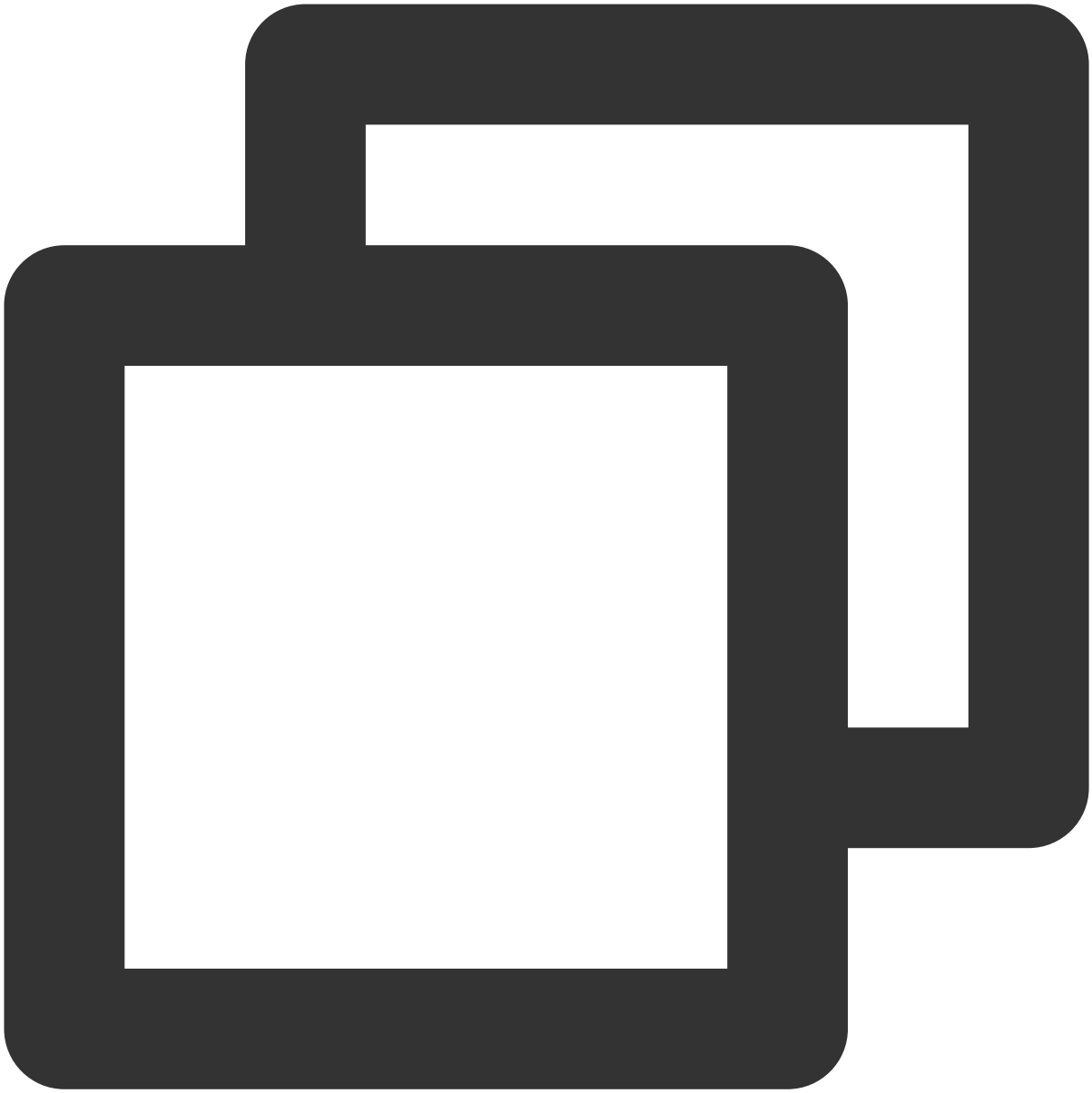
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```
GET /<ObjectKey>?imageMogr2/quality/<Quality>
                           /rquality/<quality>
                           /lquality/<quality> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/quality/<Quality>
                      /rquality/<quality>
```

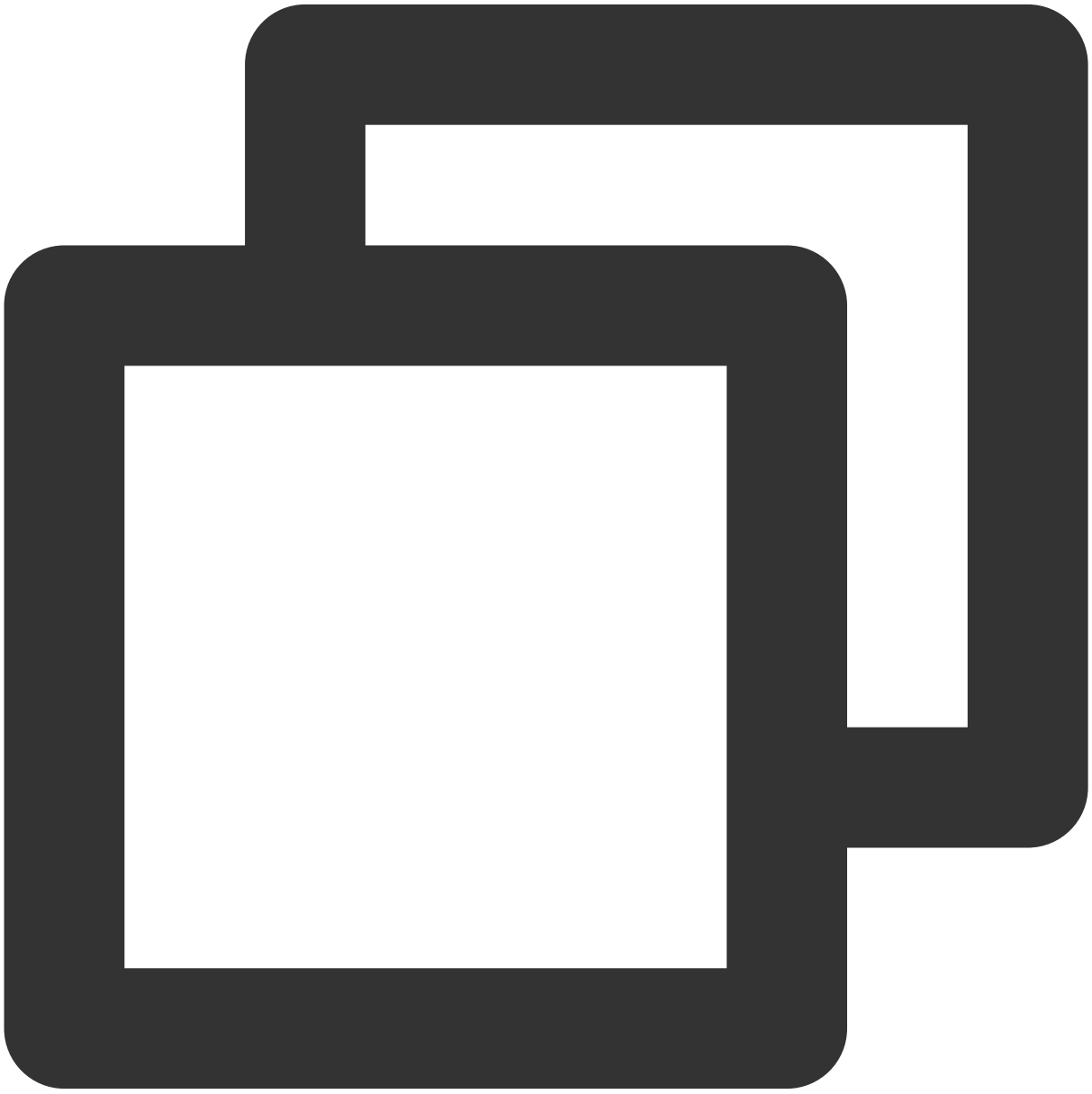
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```
                        /lquality/<quality>"
    }]
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
```

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```
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/quality/<Quality>
                        /rquality/<quality>
                        /lquality/<quality>"
  }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Operation name: quality.

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/quality/<Quality>	Absolute quality of the image. The value can be 0–100. Use the value of the original image quality (default) or the specified quality, whichever is smaller. If there is an exclamation mark (!) after <Quality> (such as `90!`), the specified quality value is forcibly used.
/rquality/<quality>	Image quality relative to that of the input image. The value can be 0–100. For example, if the input image quality is 80 and `rquality` is set to `80` , the quality of the output image will be 64 (80 * 80%).
/lquality/<quality>	Minimum quality of the image. Value range: 0–100. If the input image quality is 85 and `lquality` is set to 80, the quality of the output image will be 85. If the input image quality is 60 and `lquality` is set to 80, the quality of the output image will be improved to 80.
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

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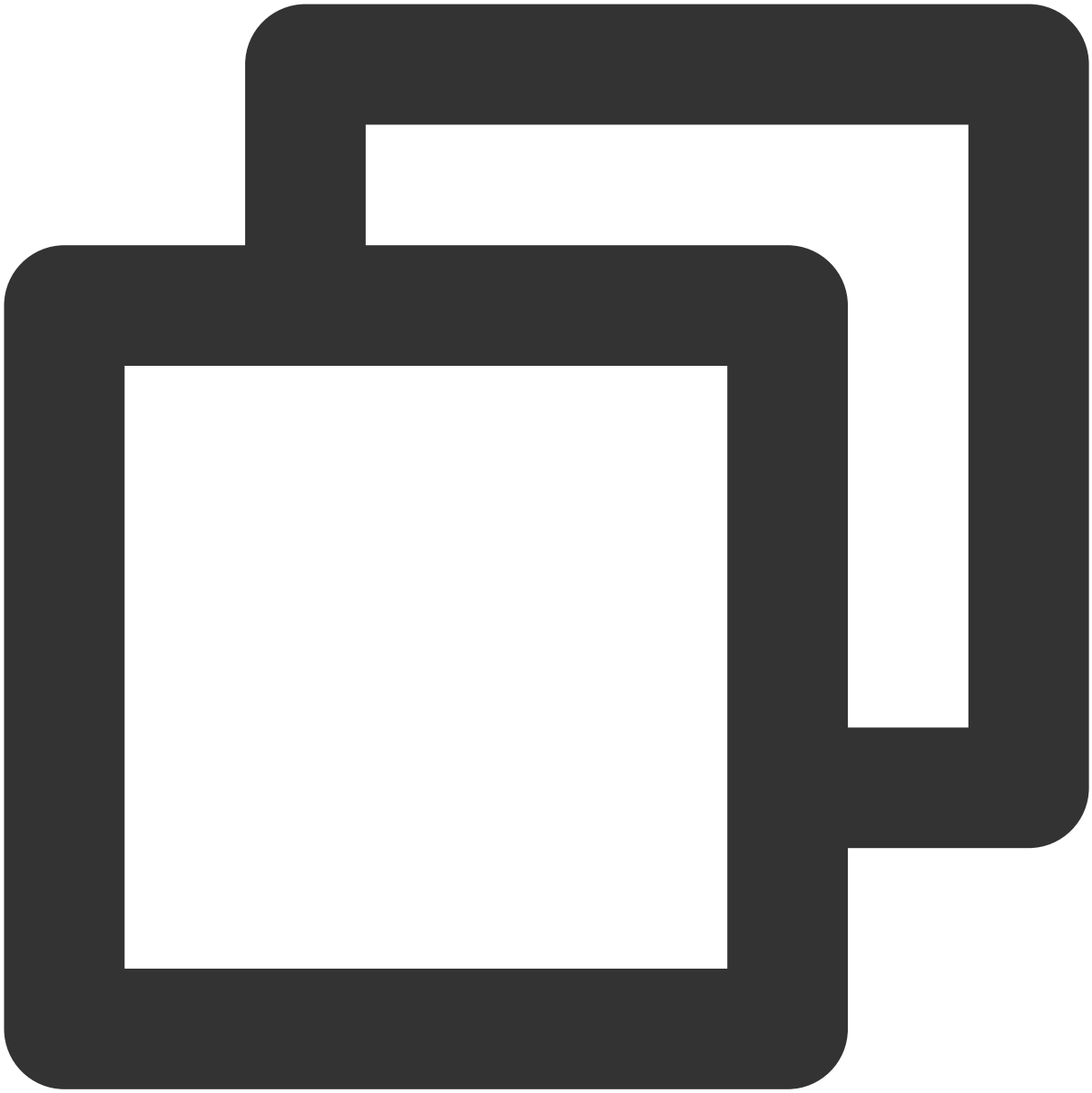
Samples

Note:
Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

Sample 1: Setting an absolute quality

This example sets the **absolute quality** to 60:

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```
http://examples-1251000004.picsh.myqcloud.com/sample.jpeg?imageMogr2/quality/60
```

Output:

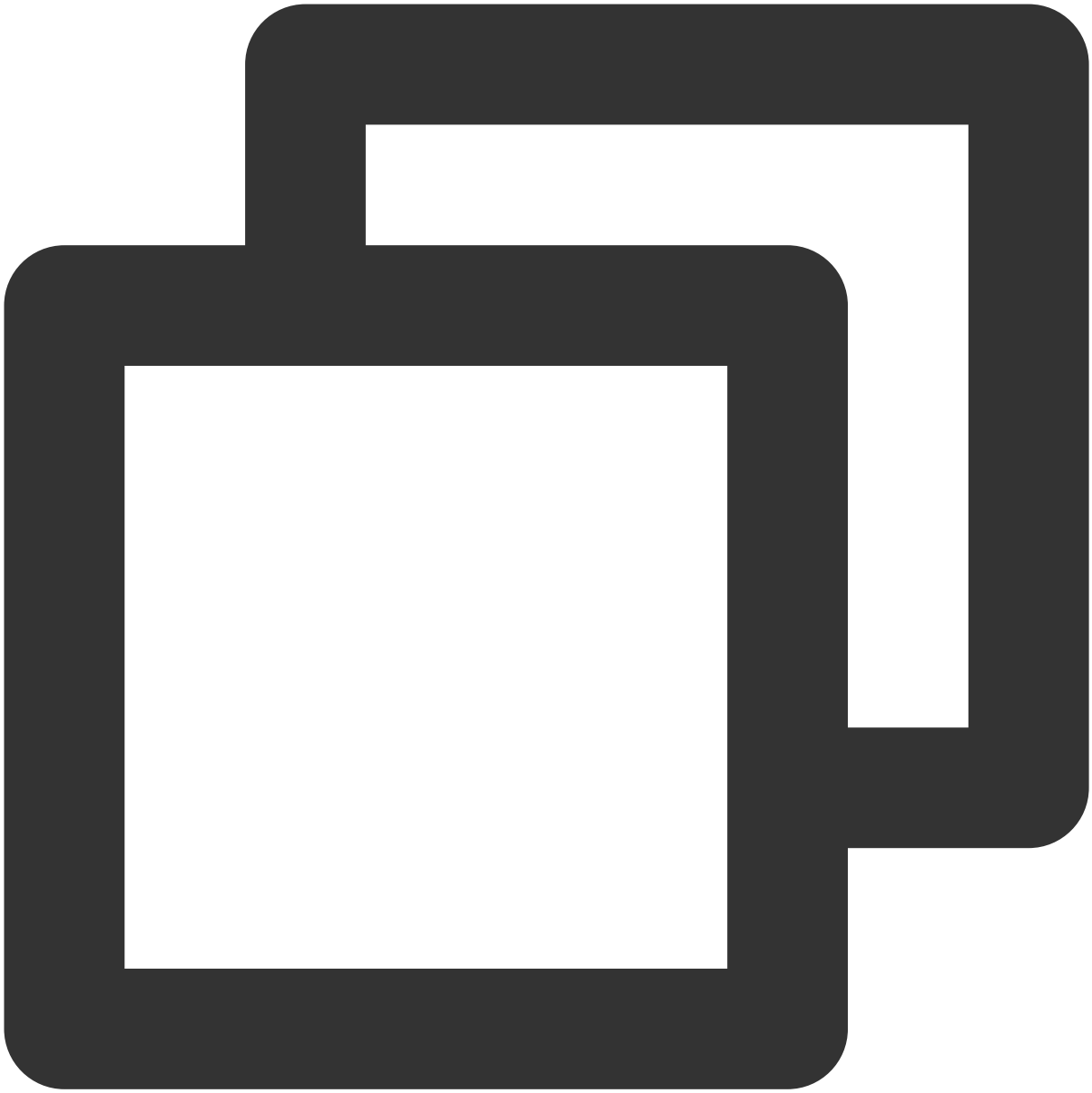
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Sample 2: Setting a relative quality

This example sets the **relative quality** to 60:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/rqua
```

Output:

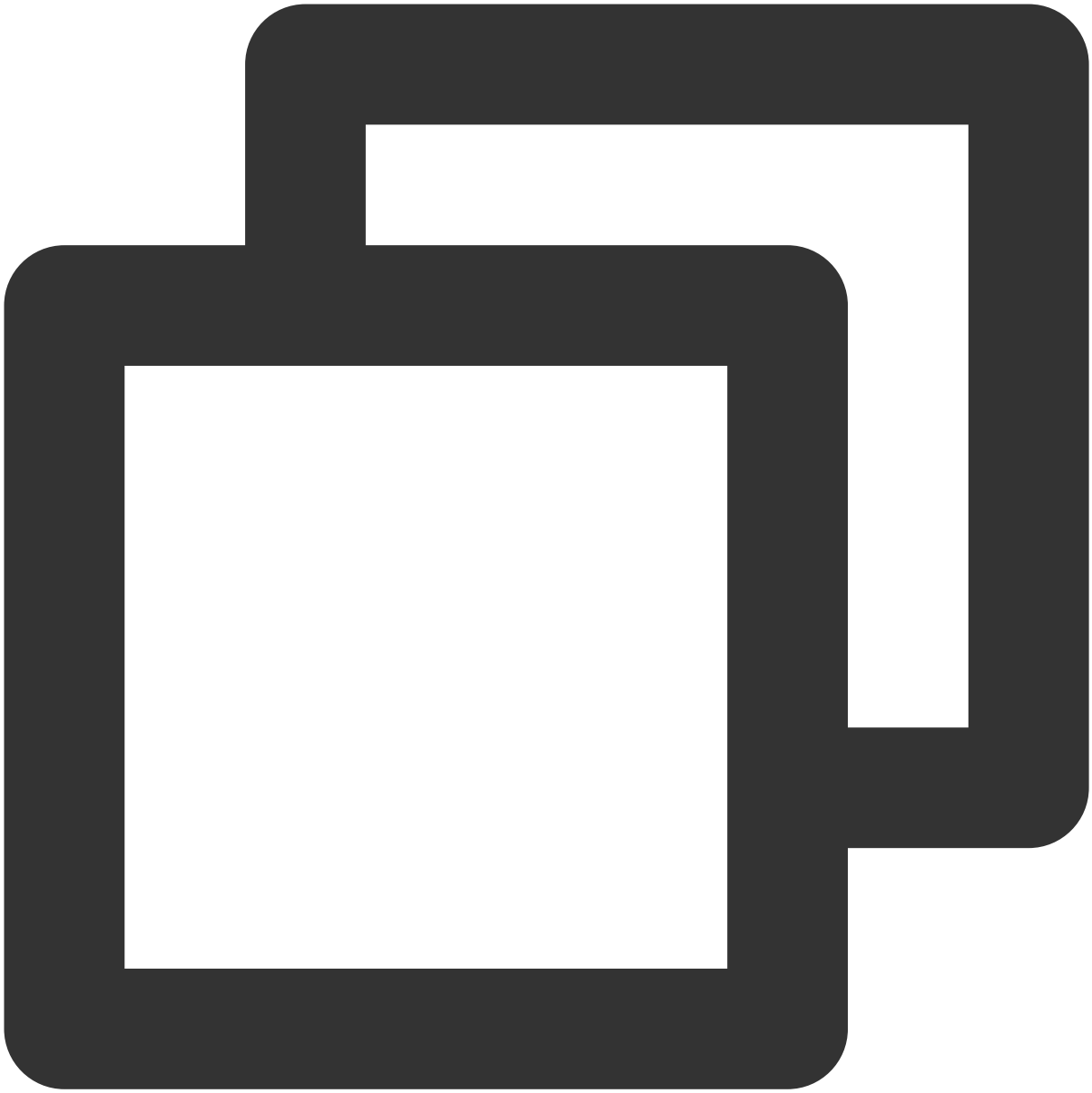
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Sample 3. Setting the relative quality to 60 with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

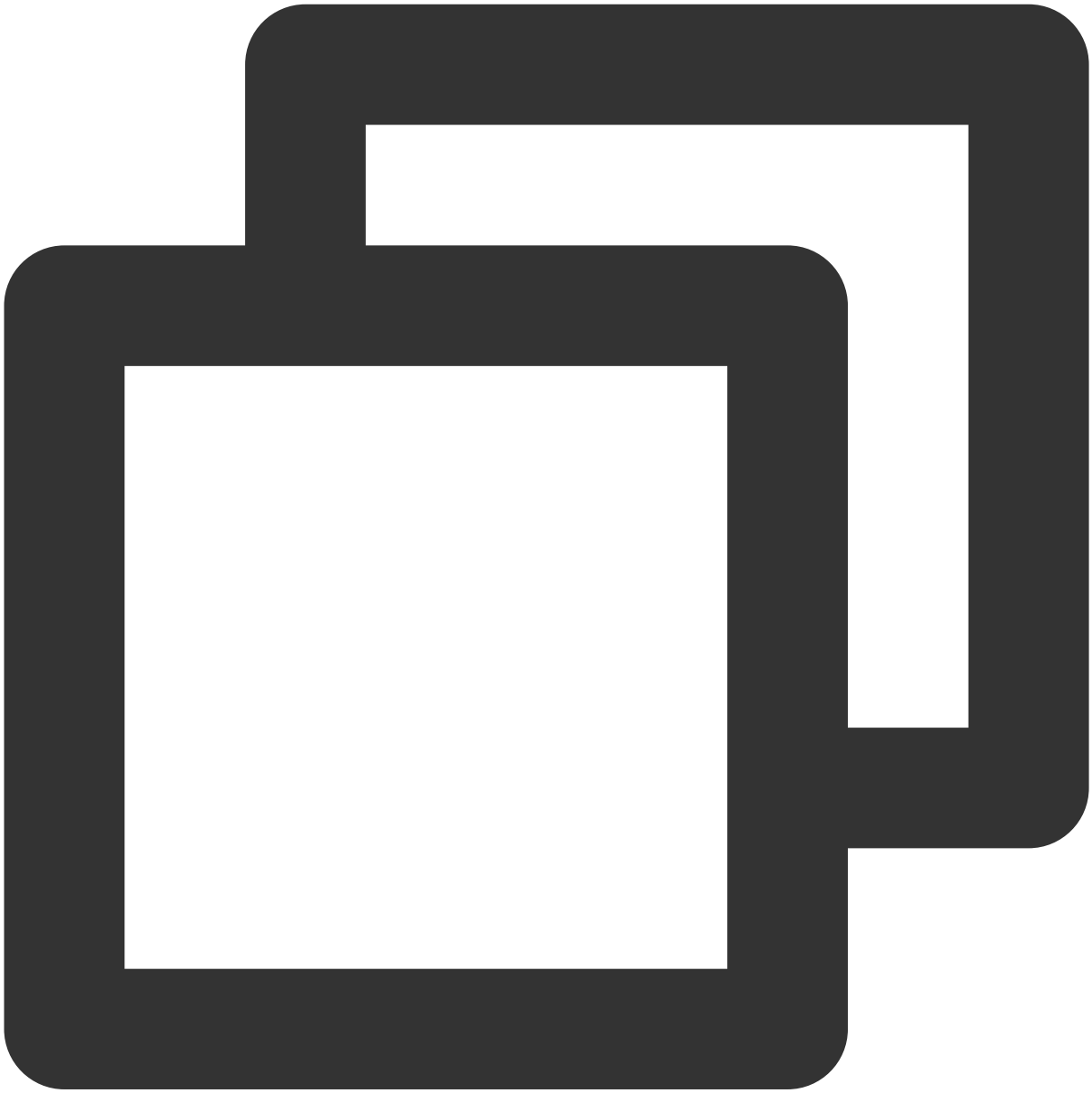
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Gaussian Blurring

Last updated：2024-02-18 10:36:36

Feature Overview

CI uses the **imageMogr2** API to blur an image.
An image can be processed:
During download
During upload
In the cloud

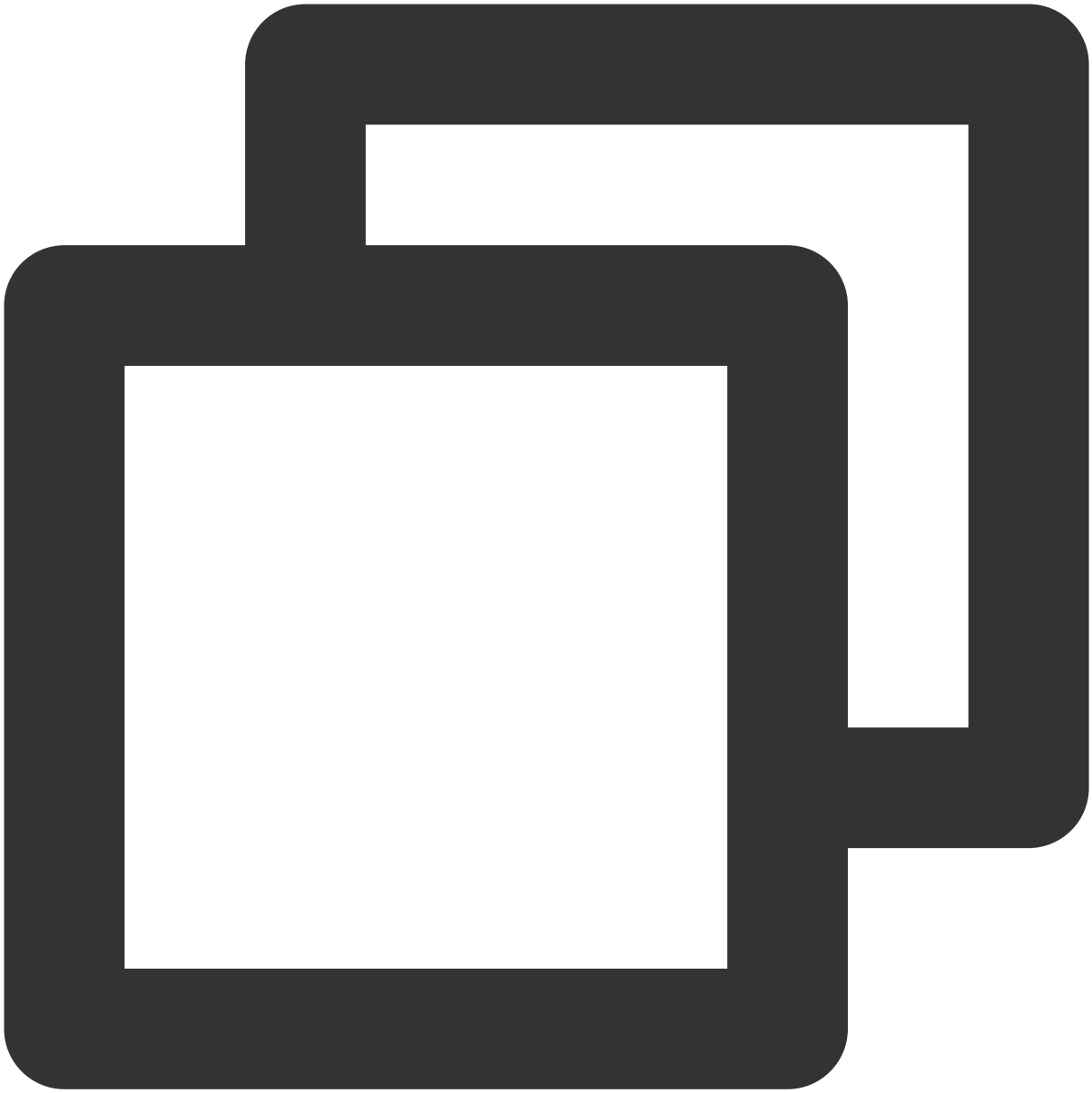
Restrictions

Format: Currently, JPG, BMP, GIF, PNG, and WebP images can be processed, and HEIF images can be decoded and processed.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

API Sample

1. Processing during download

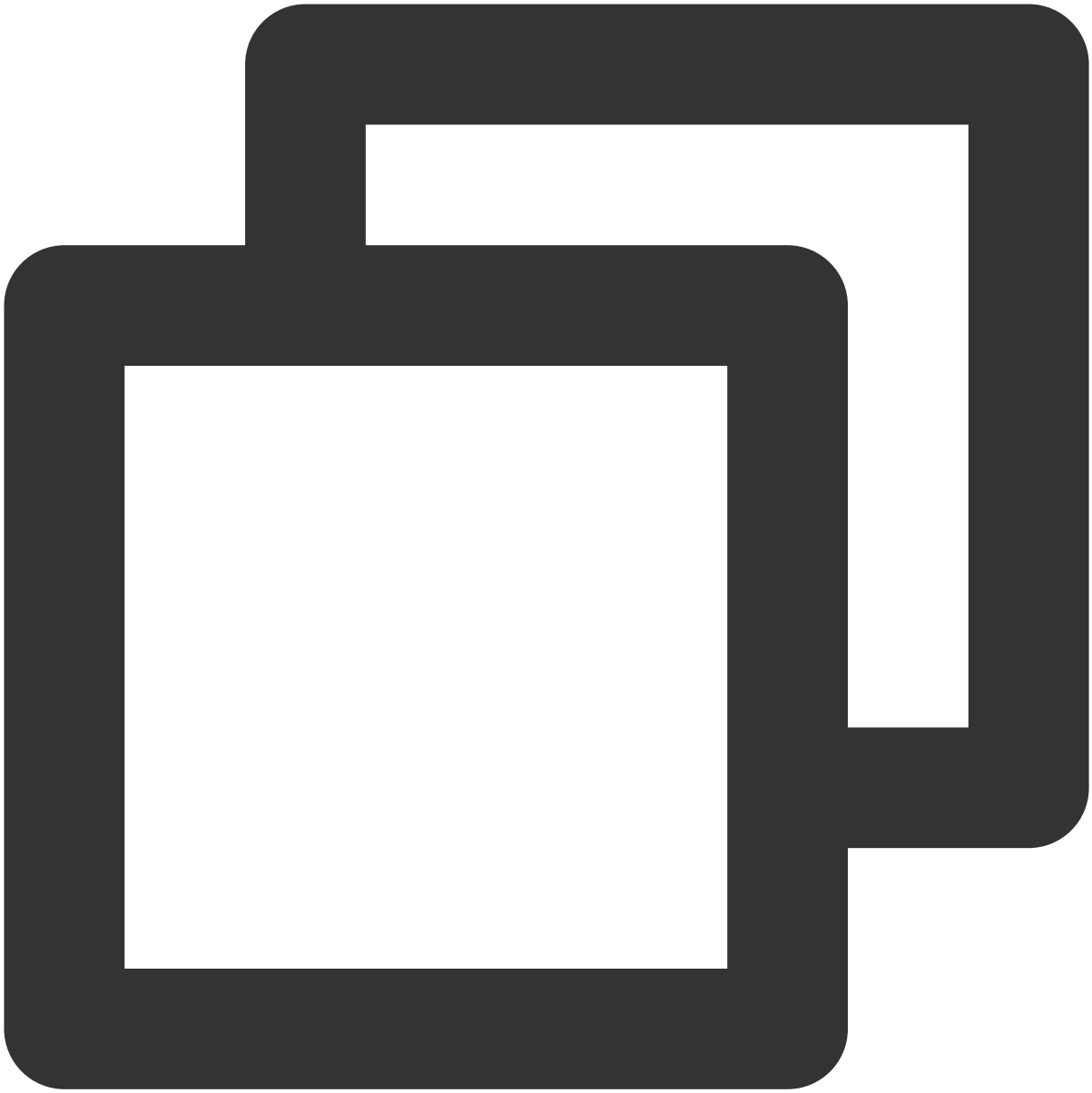
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```
GET /<ObjectKey>?imageMogr2/blur/<radius>x<sigma>        HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/blur/<radius>x<sigma>"
  }]
```

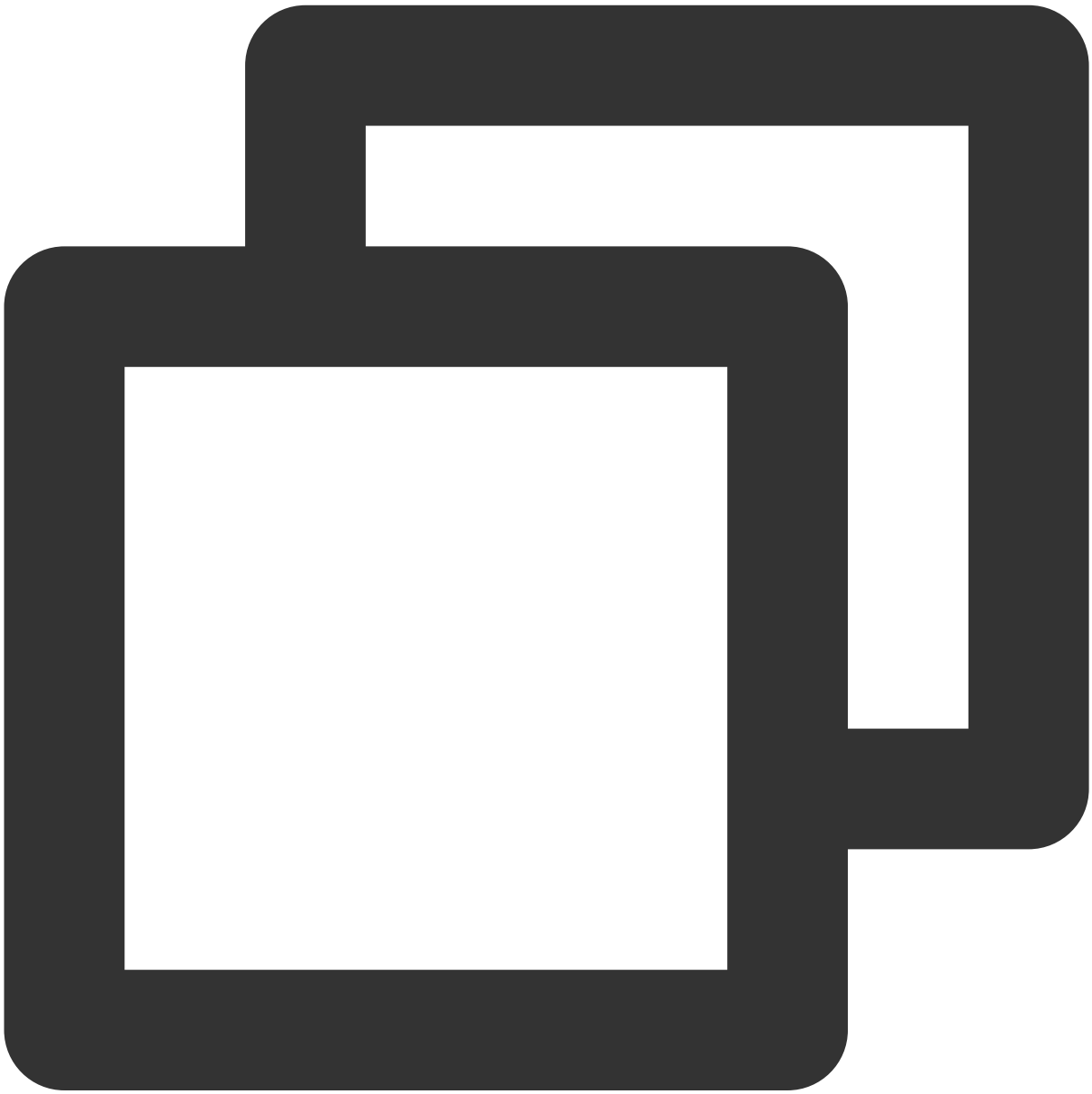
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/blur/<radius>x<sigma>"
  }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Operation name: blur.

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
radius<radius>	Blurring radius. Value range: 1–50.
sigma<sigma>	Standard deviation of normal distribution. The value must be greater than 0.
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

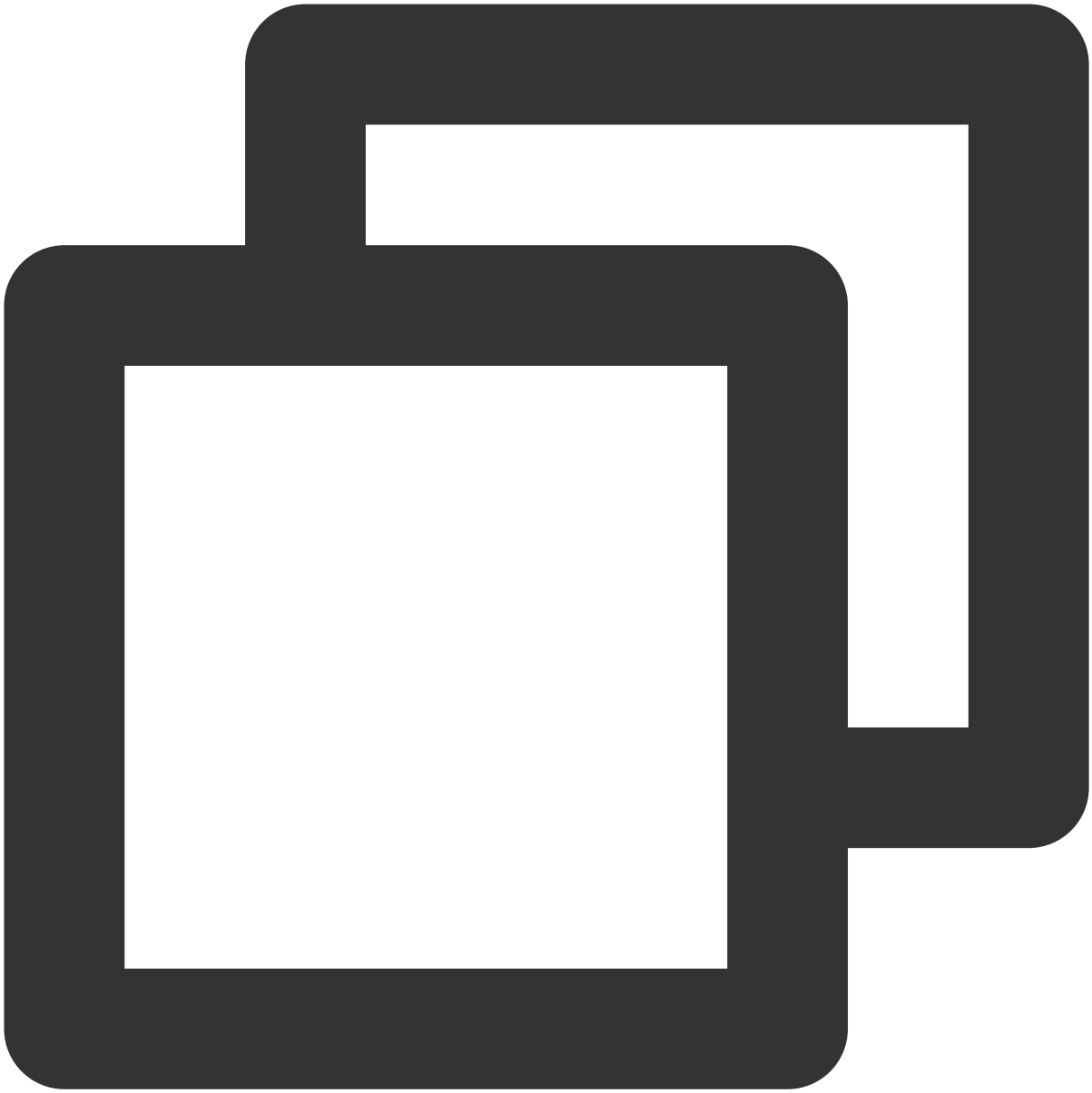
Samples

Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

Sample 1: Blurring an image with a radius of 8 and a sigma of 5

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/blur
```

Output after Gaussian blurring:

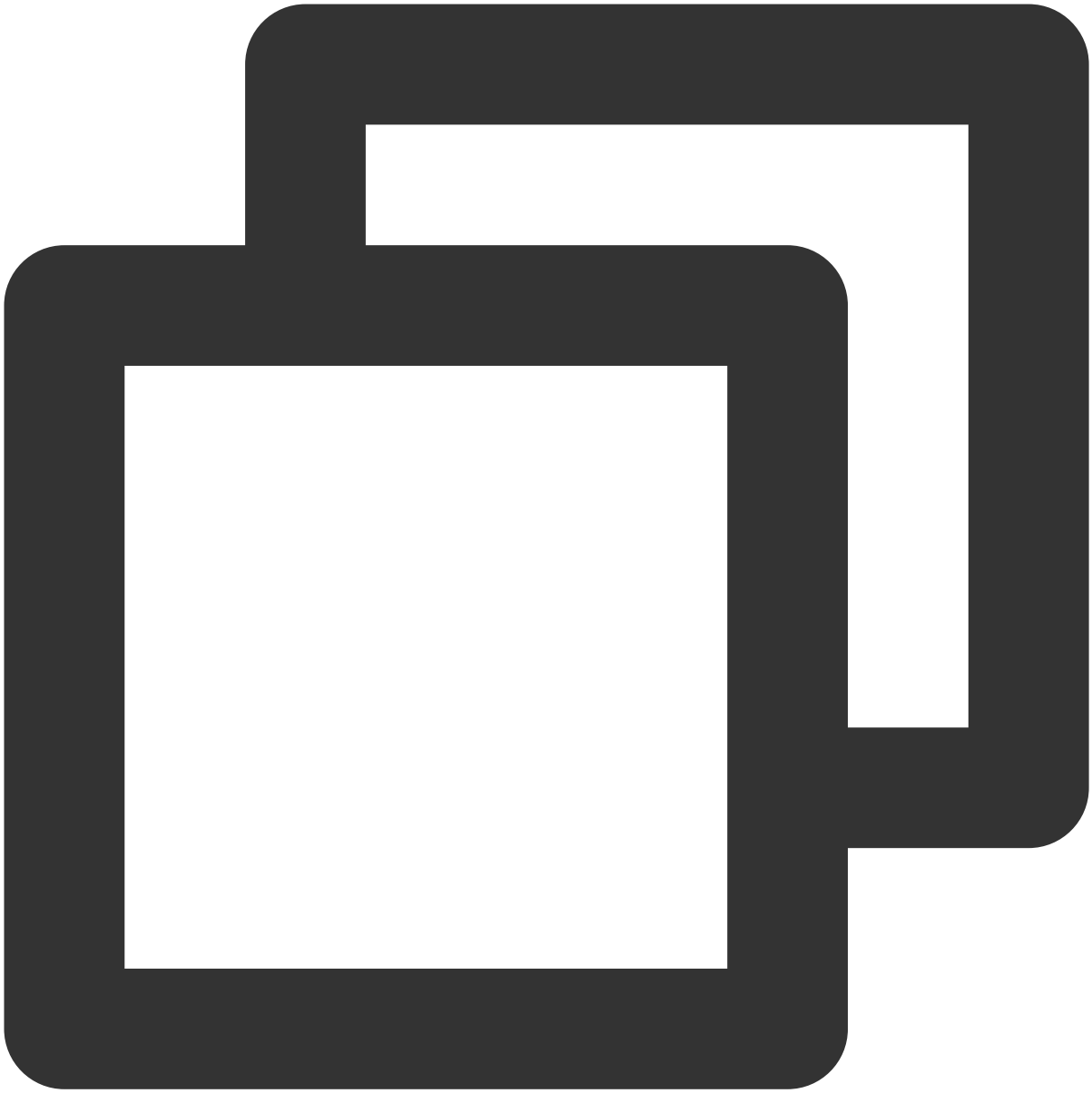
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Sample 2: Blurring an image with a radius of 8 and a sigma of 5 with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

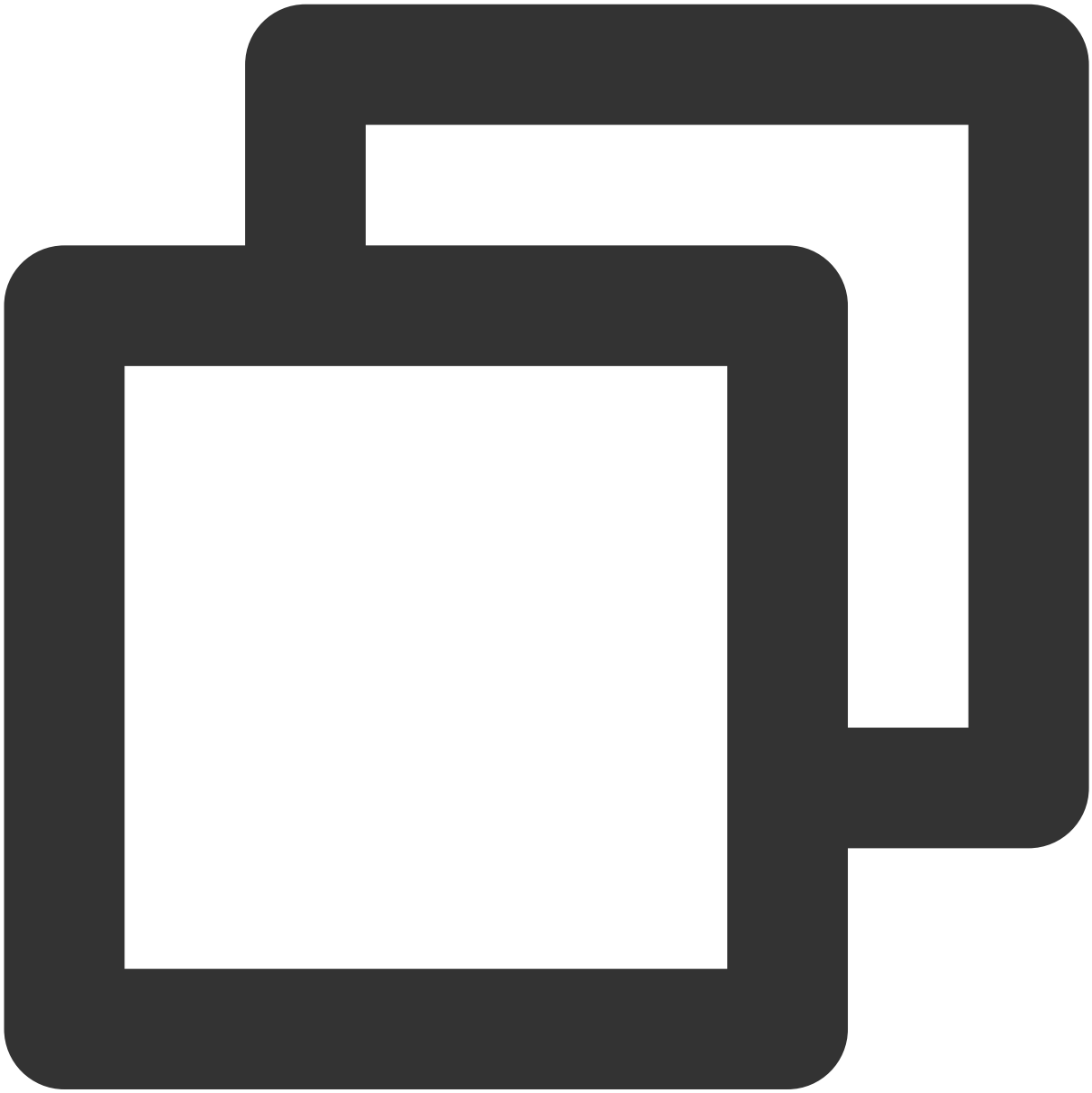
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Adjusting Brightness

Last updated：2024-02-18 10:36:35

Feature Overview

CI uses the **imageMogr2** API to adjust the brightness of an image.
An image can be processed:
During download
During upload
In the cloud

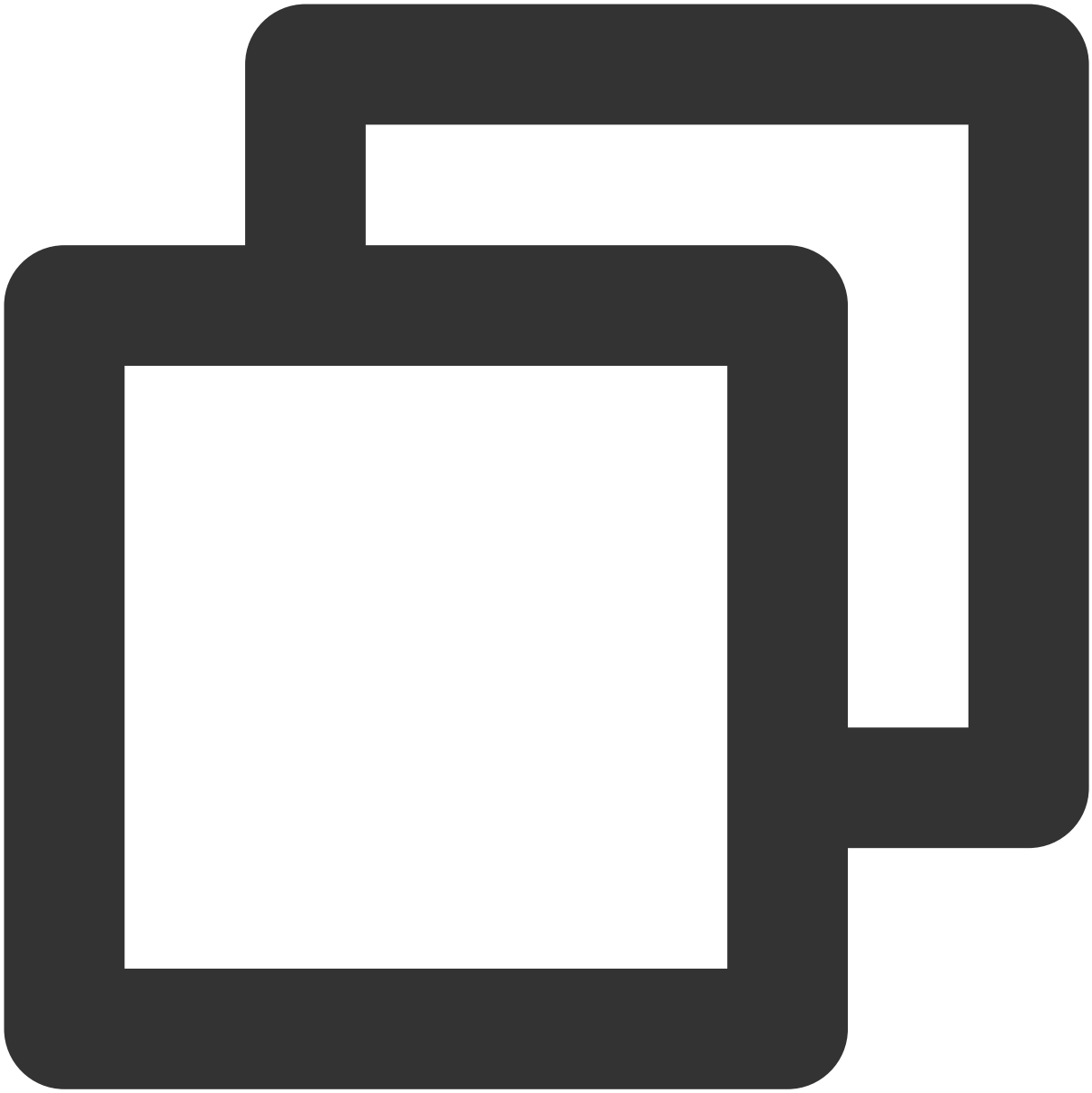
Restrictions

Format: Currently, JPG, BMP, GIF, PNG, and WebP images can be processed, and HEIF images can be decoded and processed.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

API Sample

1. Processing during download

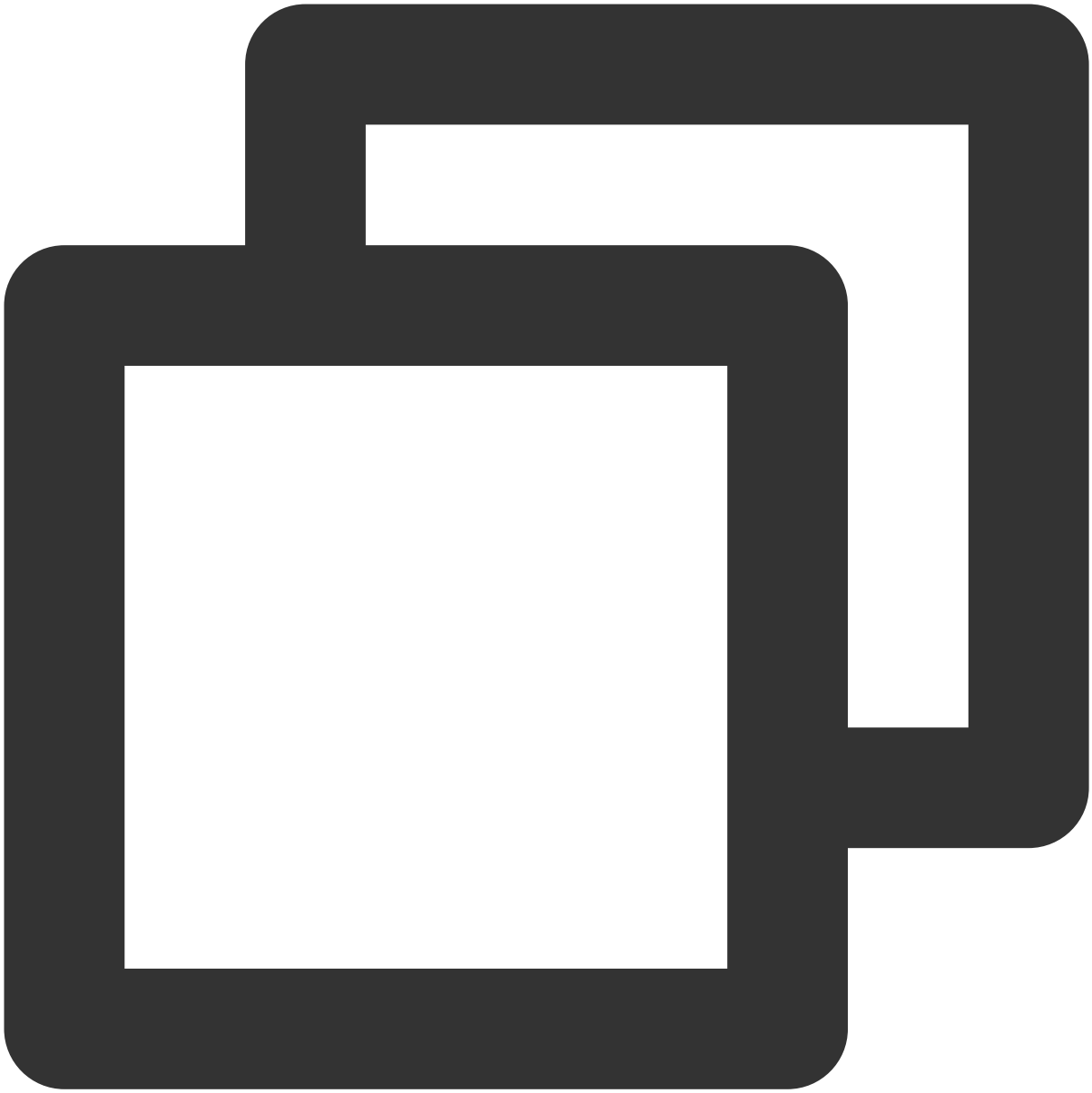
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```
GET /<ObjectKey>?imageMogr2/bright/<value> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/bright/<value>"
  }]
```

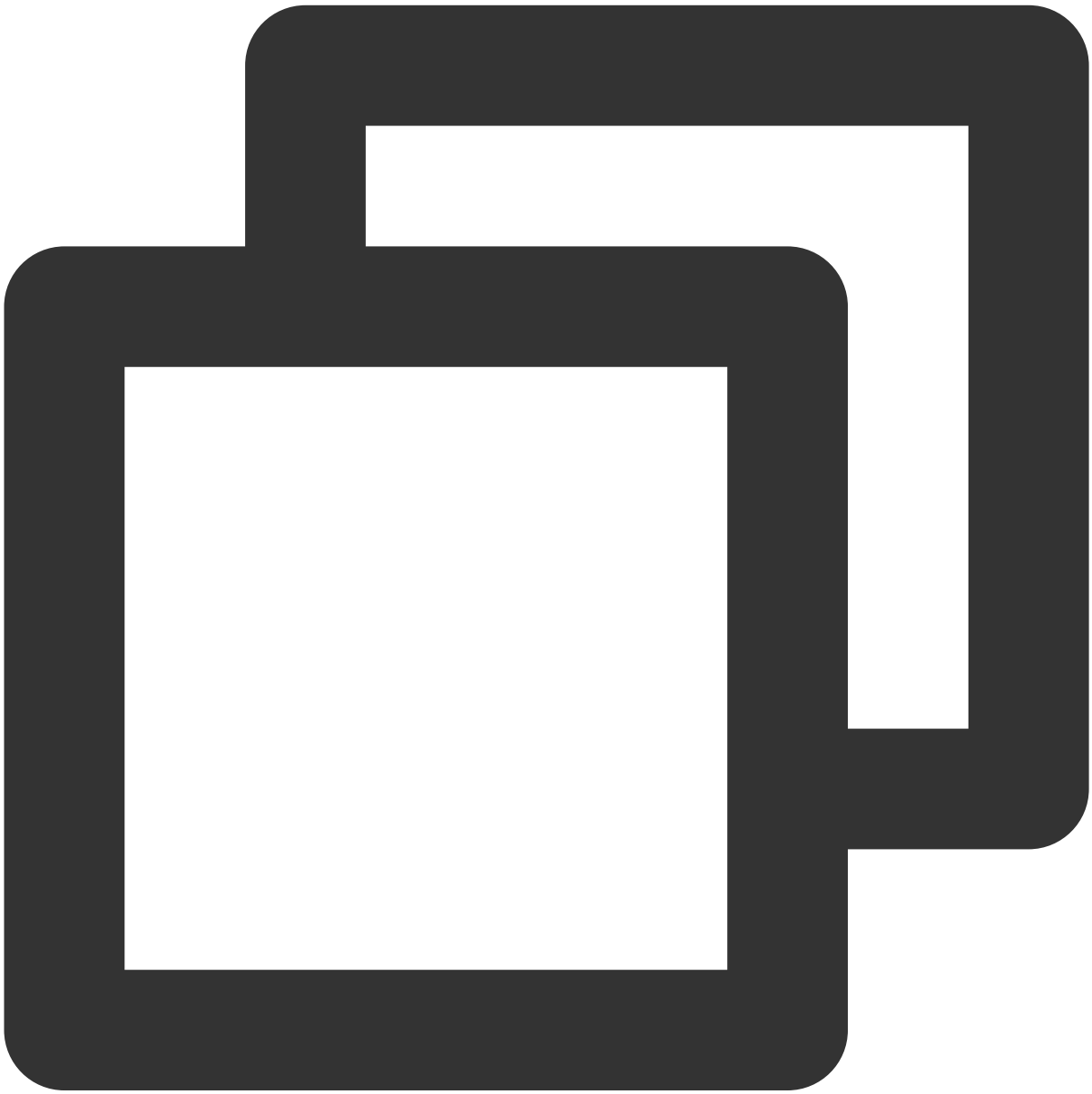
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/bright/<value>"
  }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Operation name: bright.

Parameter	Description
ObjectKey	Object name, such as folder/sample.jpg.
bright/<value>	Adjusts the brightness of an image. The value must be an integer in the range of [-100, 100]. value < 0: Reduces the image brightness. value = 0: Does not adjust the image brightness. value > 0: Increases the image brightness.
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

Samples

Note:

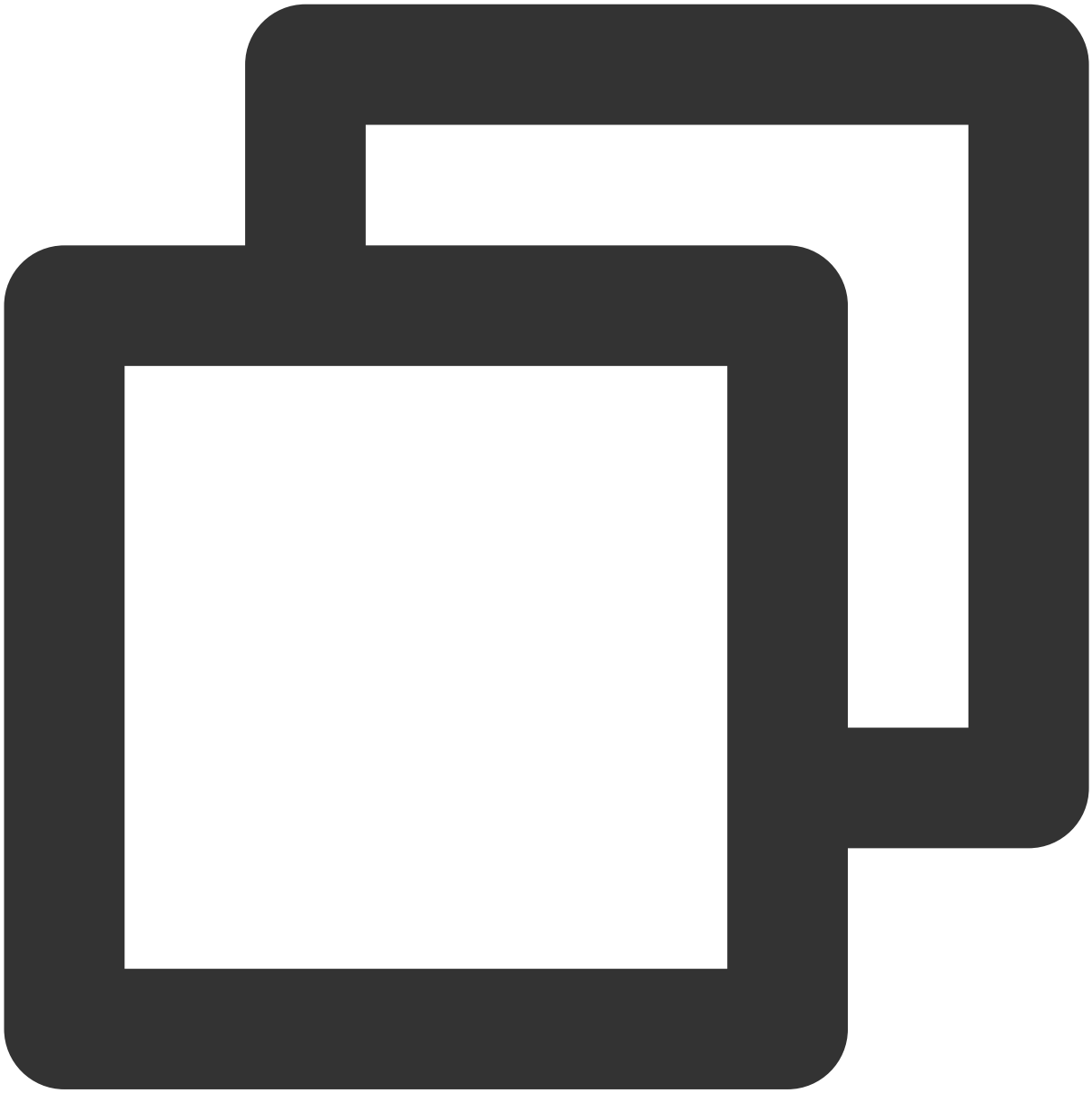
Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or

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processing in-cloud data feature.

Sample 1: Adjusting the brightness

This example increases the brightness of an image by 70:



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/brig
```

Output image:

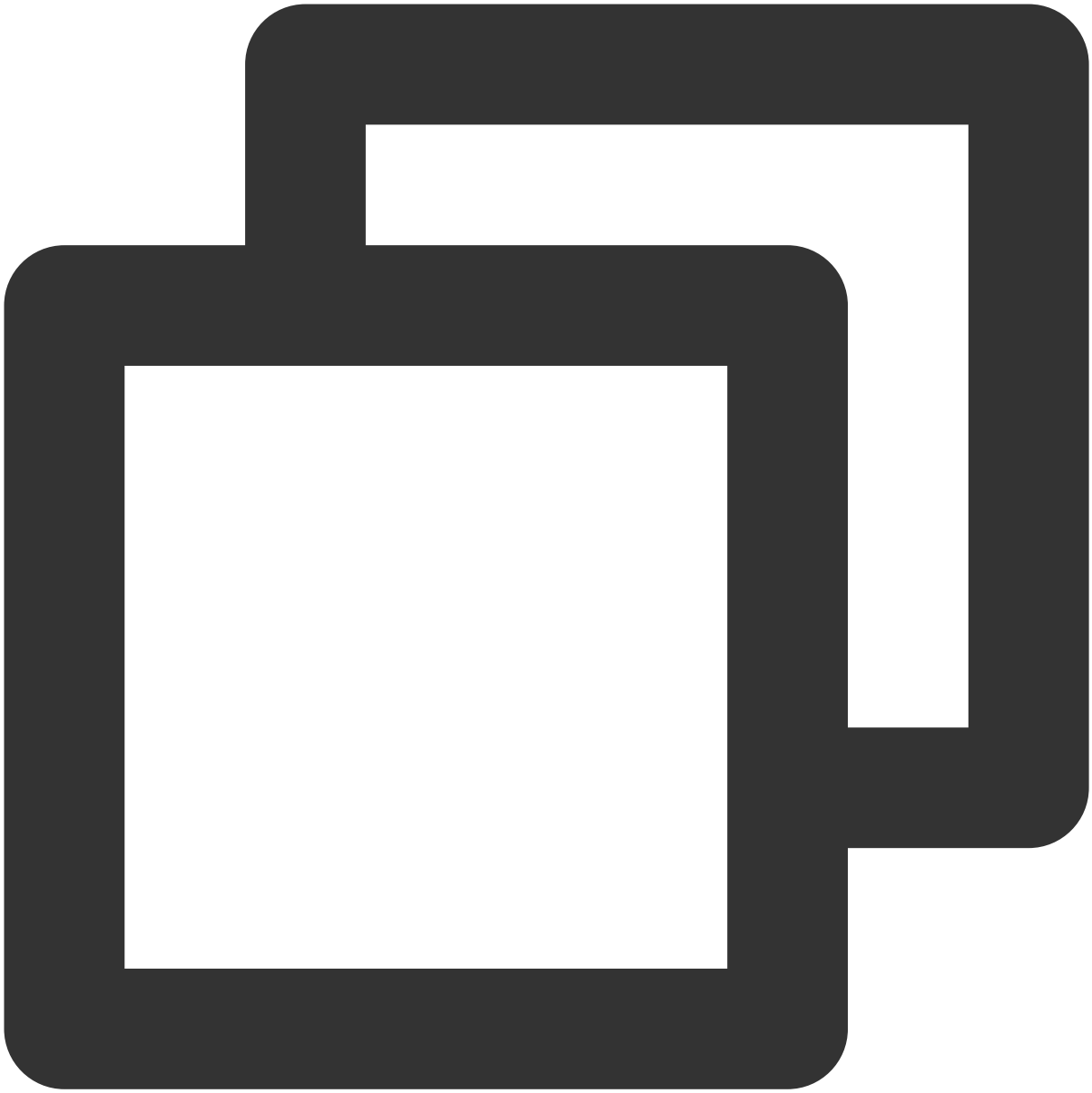
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Sample 2: Adjusting the brightness with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

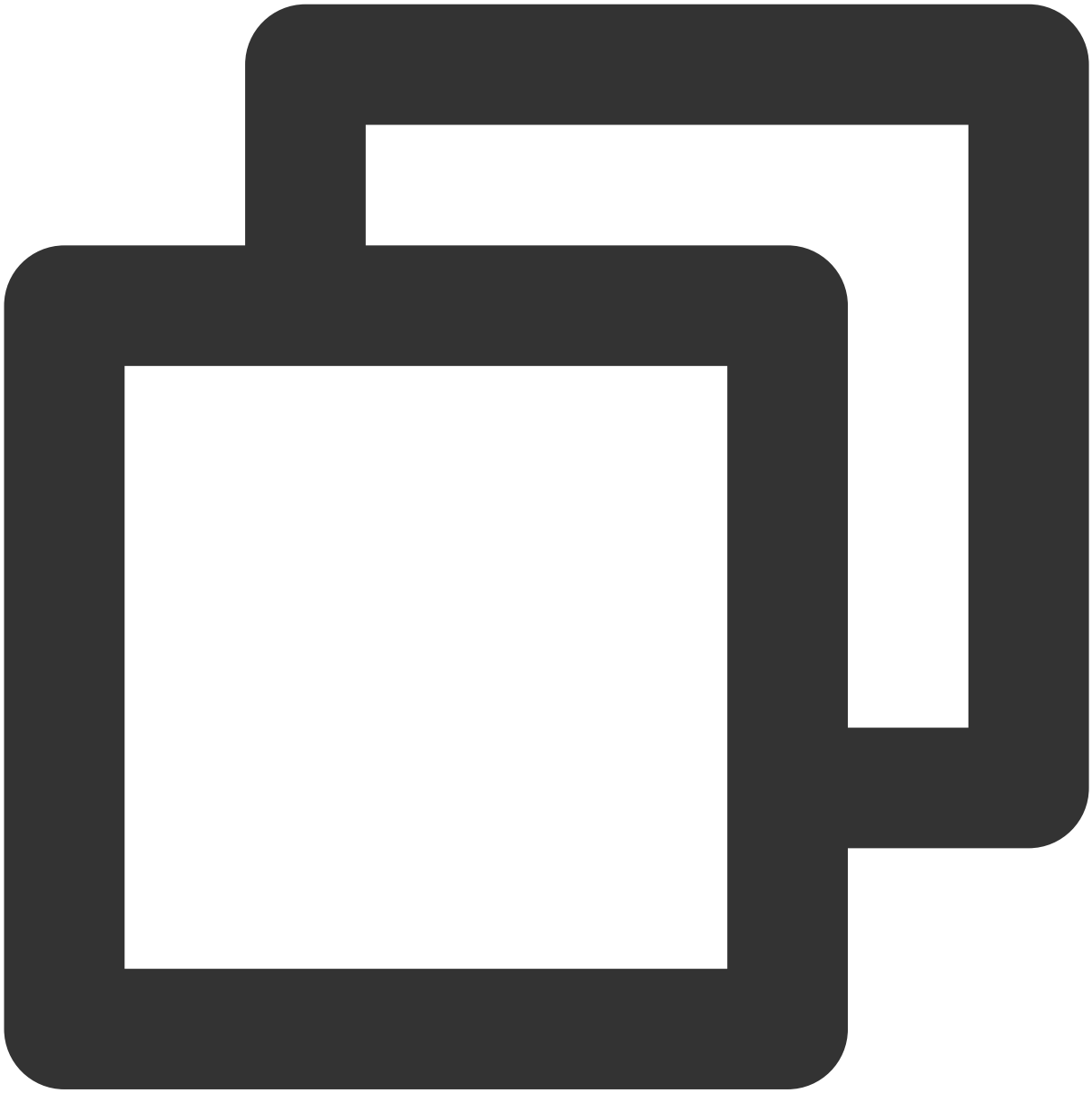
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Adjusting Contrast

Last updated：2024-02-18 10:36:35

Feature Overview

CI uses the **imageMogr2** API to adjust the contrast of an image, which is the difference in luminance between the brightest and darkest points in the image (i.e., the contrast in grayscale).
An image can be processed:
During download
During upload
In the cloud

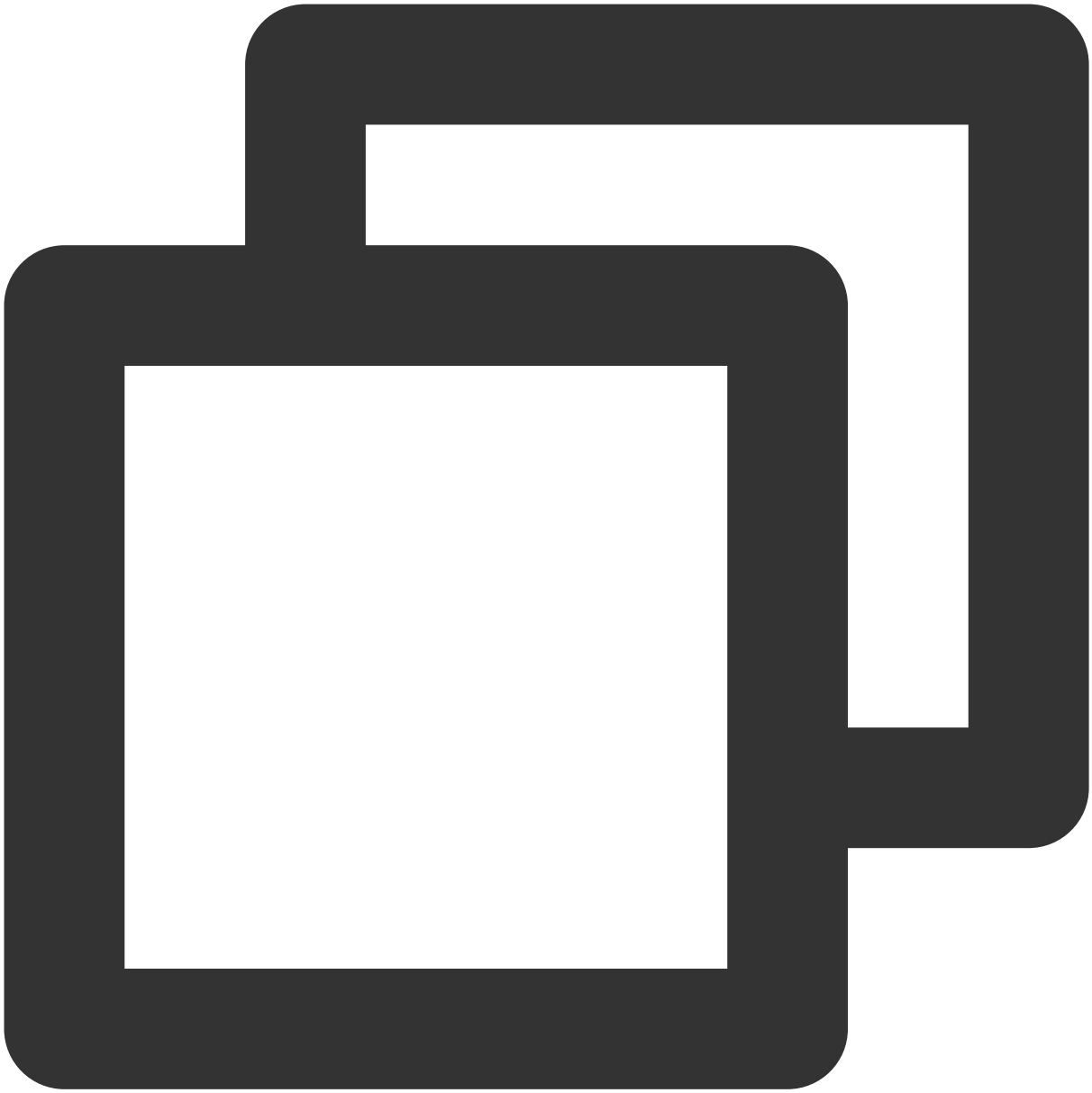
Restrictions

Format: Currently, JPG, BMP, GIF, PNG, and WebP images can be processed, and HEIF images can be decoded and processed.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

API Sample

1. Processing during download

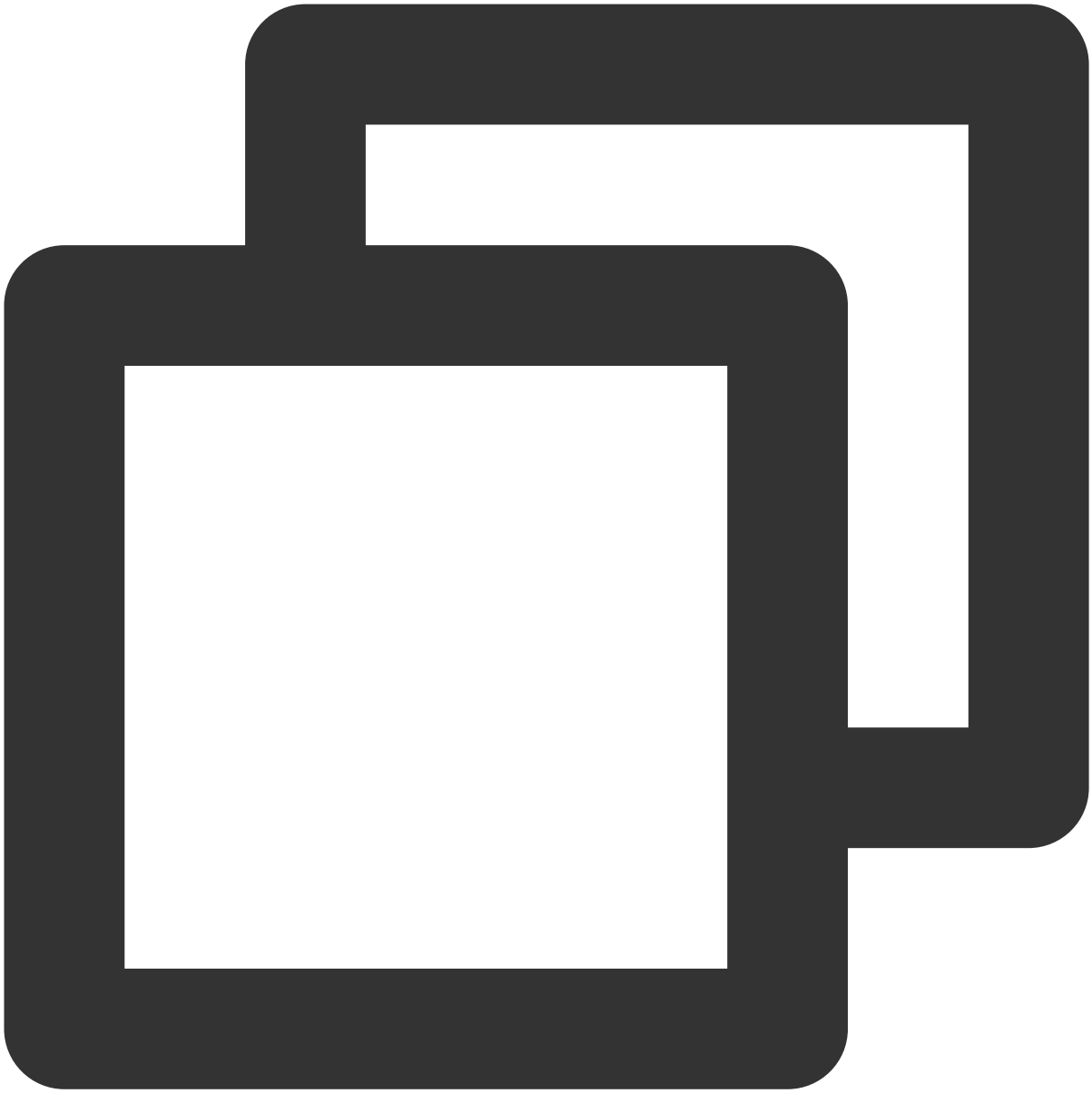
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```
GET /<ObjectKey>?imageMogr2/contrast/<value> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/contrast/<value>"
  }]
```

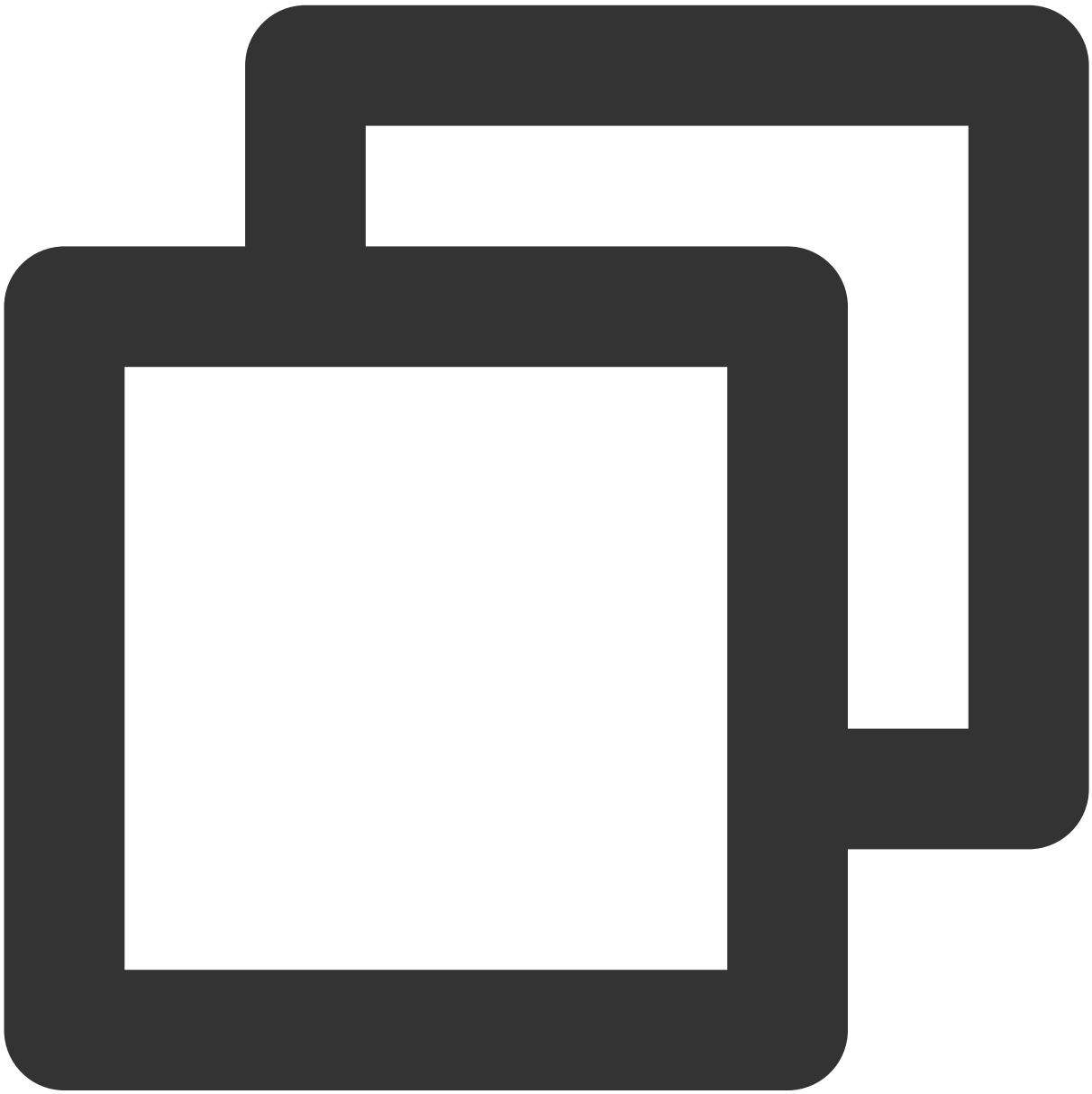
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/contrast/<value>"
  }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Operation name: contrast.

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/contrast/<value>	Adjusts the contrast of an image. The value must be an integer in the range of [-100, 100]. `value` < 0: Reduces the contrast. `value` = 0: Does not adjust the contrast. `value` > 0: Increases the contrast.
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

Samples

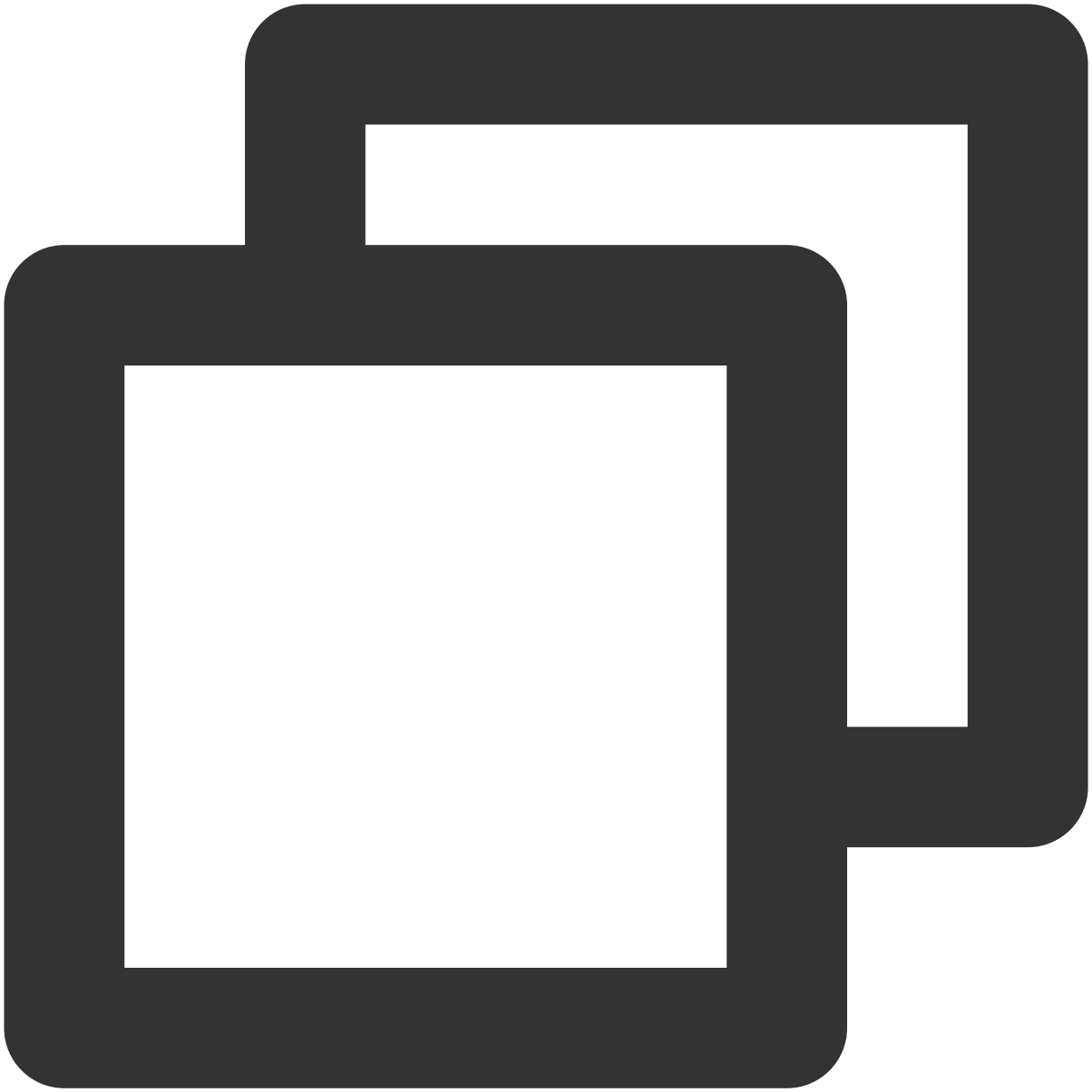
Sample 1: Adjusting the contrast

Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

This example reduces the contrast of an image by 50:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/cont
```

Output image:

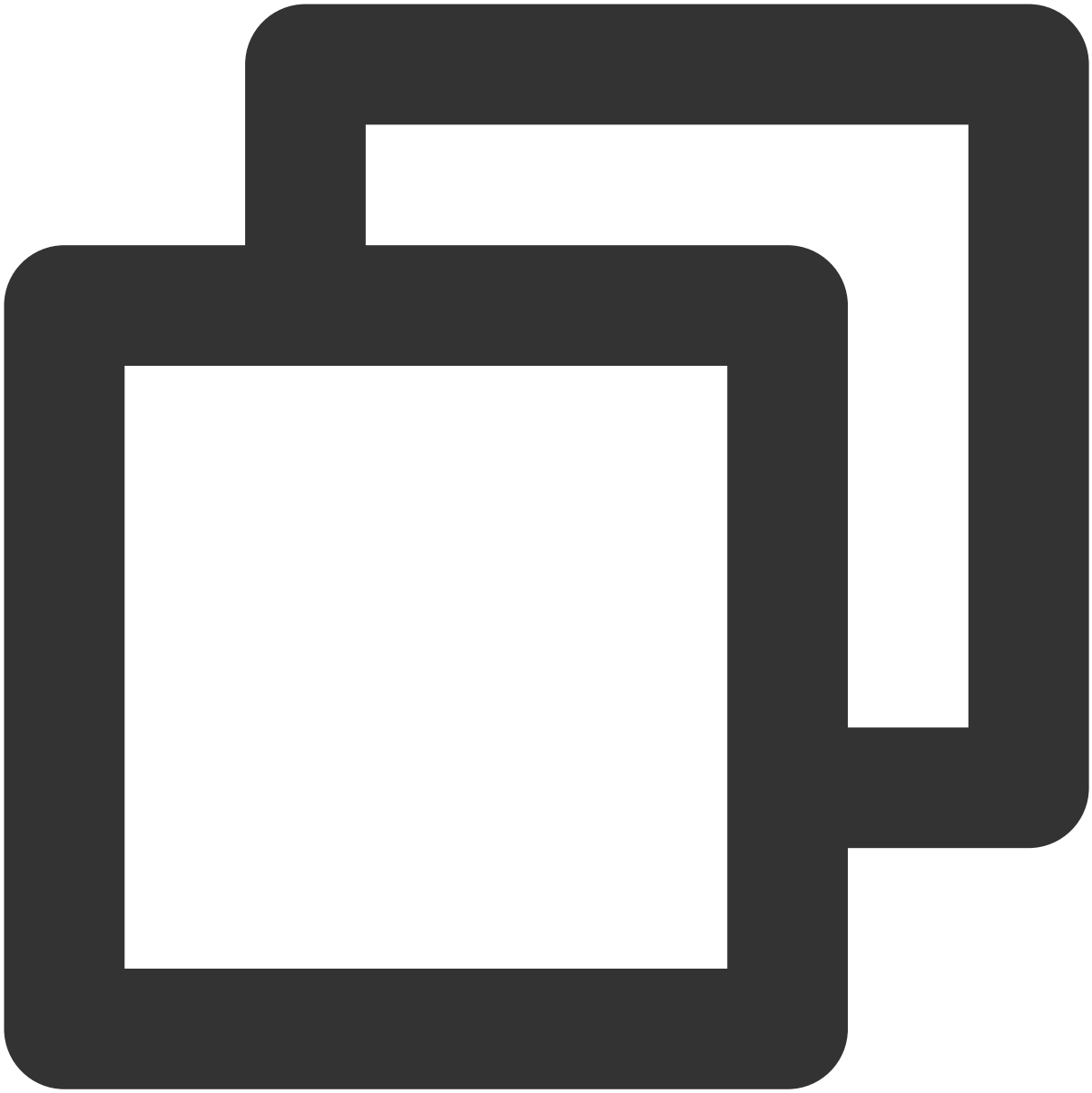
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Sample 2: Adjusting the contrast with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

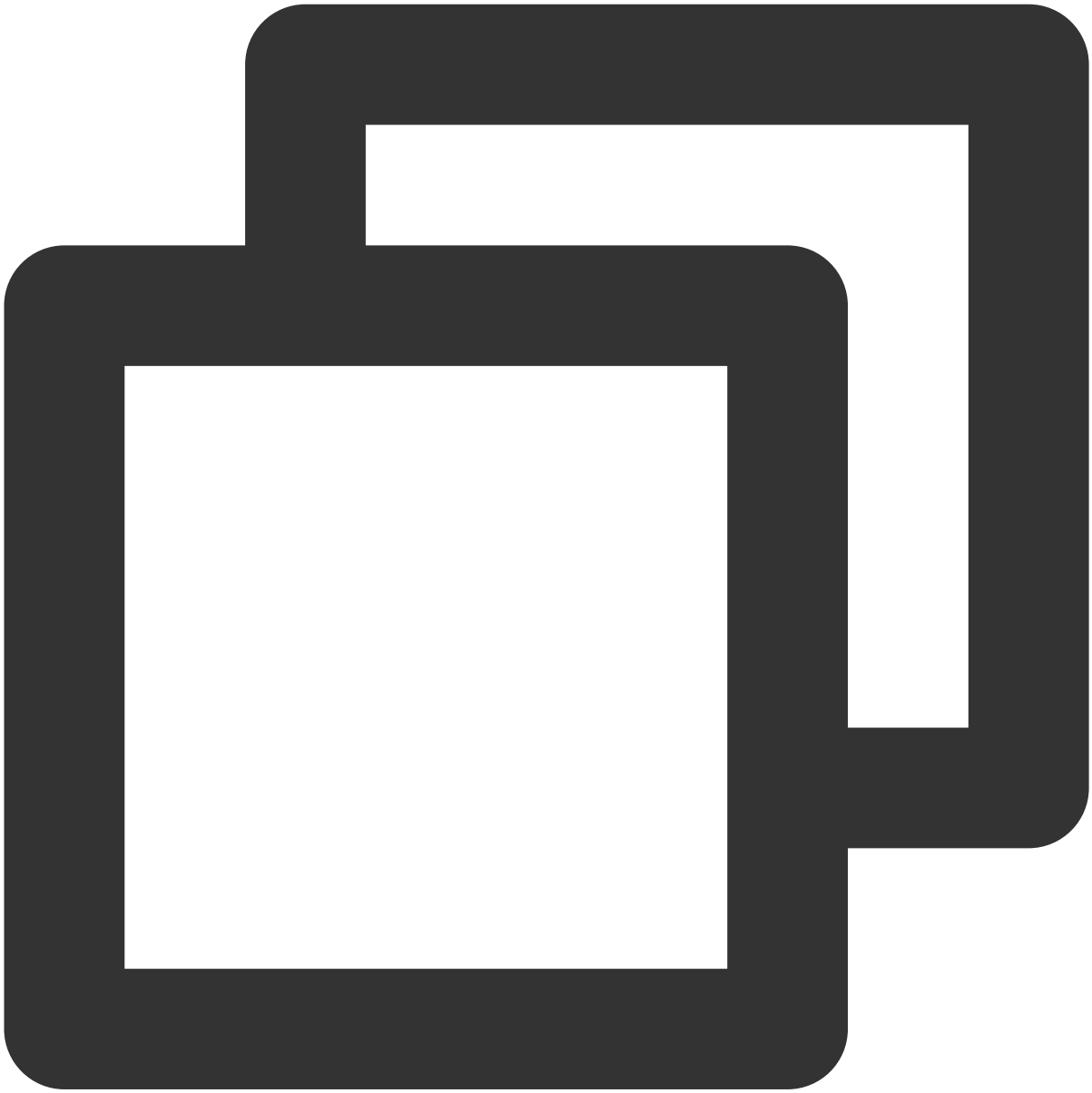
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Sharpening

Last updated：2024-02-18 10:36:35

Feature Overview

CI uses the **imageMogr2** API to sharpen an image.
An image can be processed:
During download
During upload
In the cloud

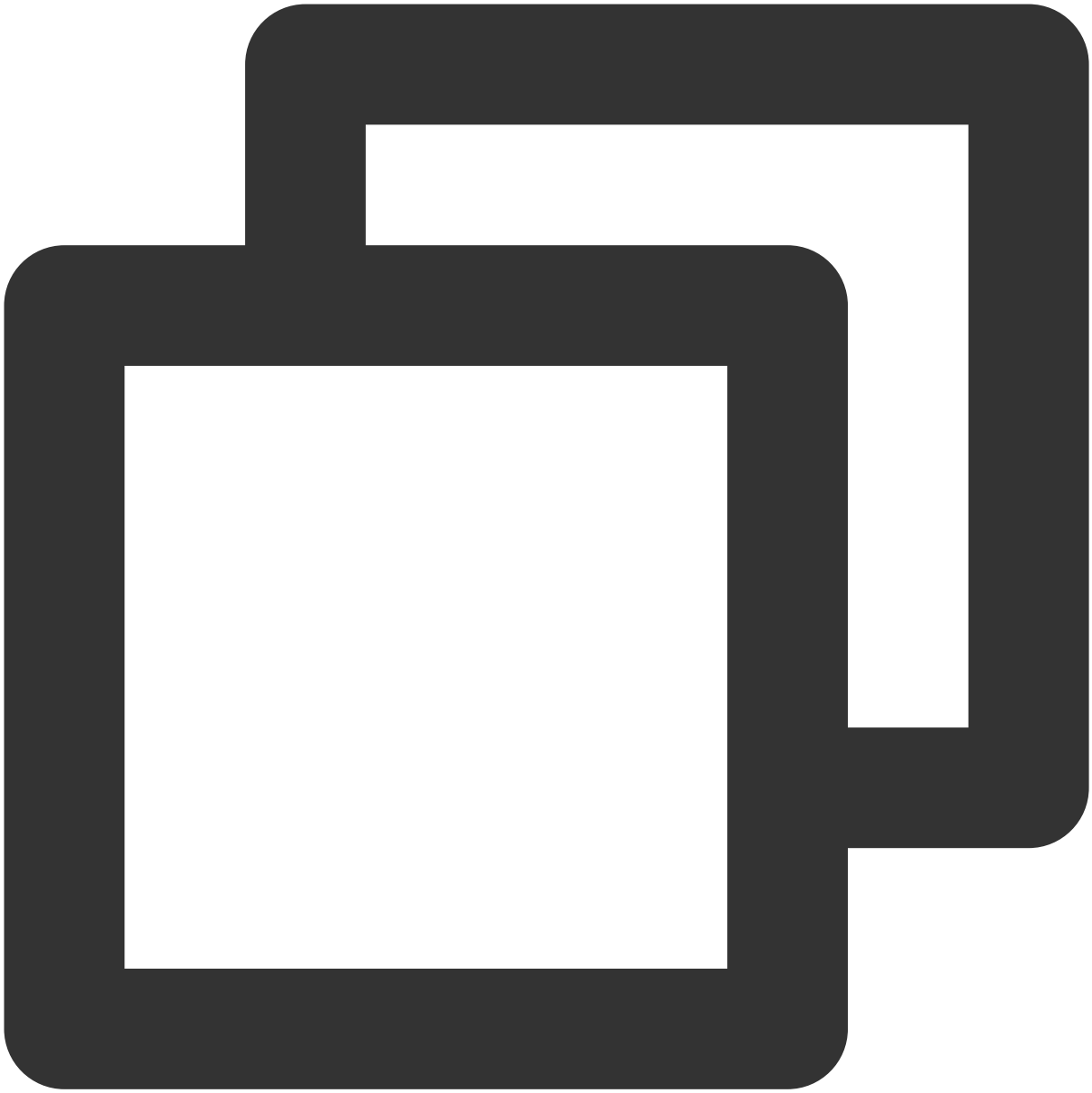
Restrictions

Format: Currently, JPG, BMP, GIF, PNG, and WebP images can be processed, and HEIF images can be decoded and processed.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

API Sample

1. Processing during download

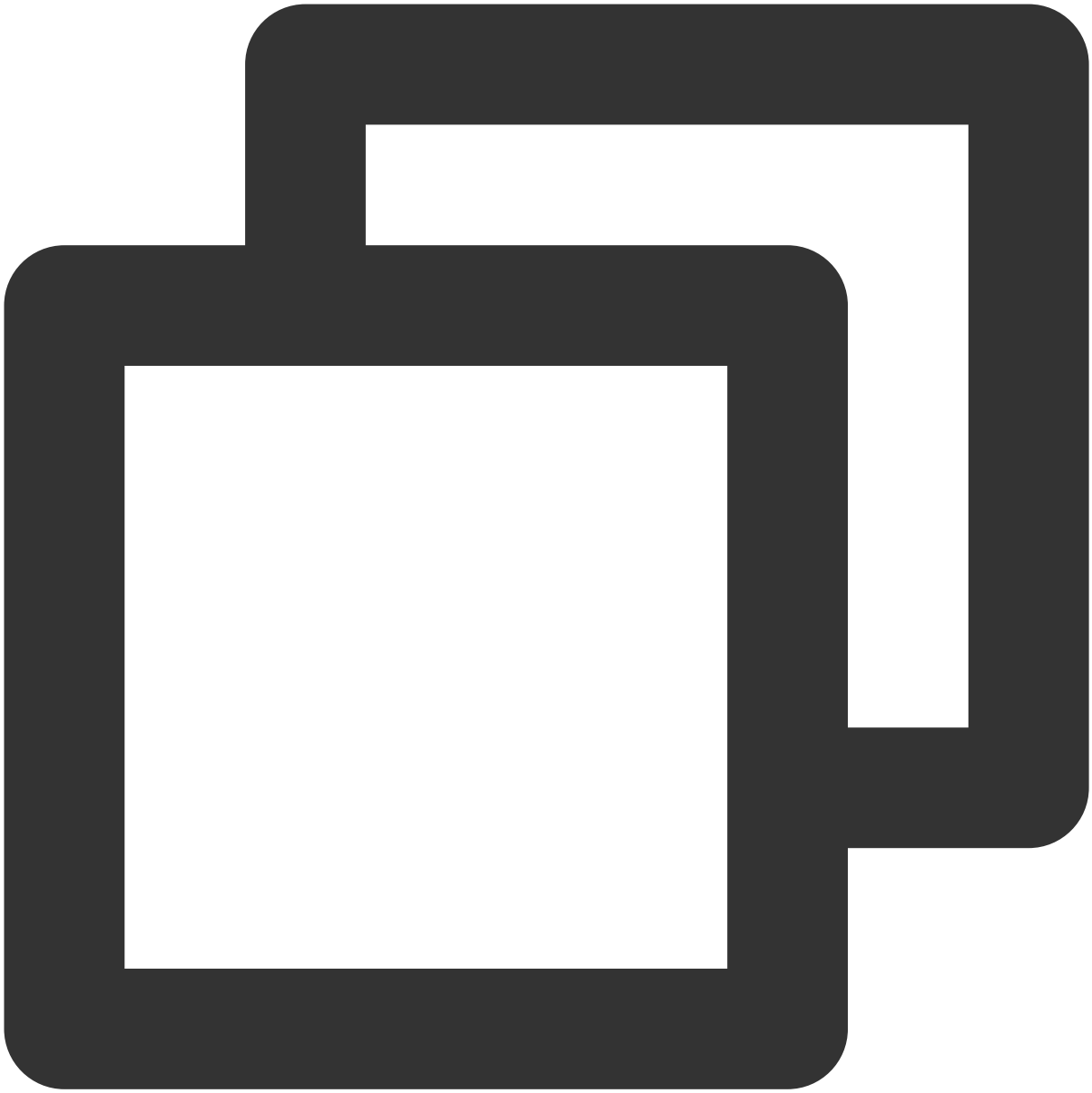
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```
GET /<ObjectKey>?imageMogr2/sharpen/<value> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/sharpen/<value>"
  }]
```

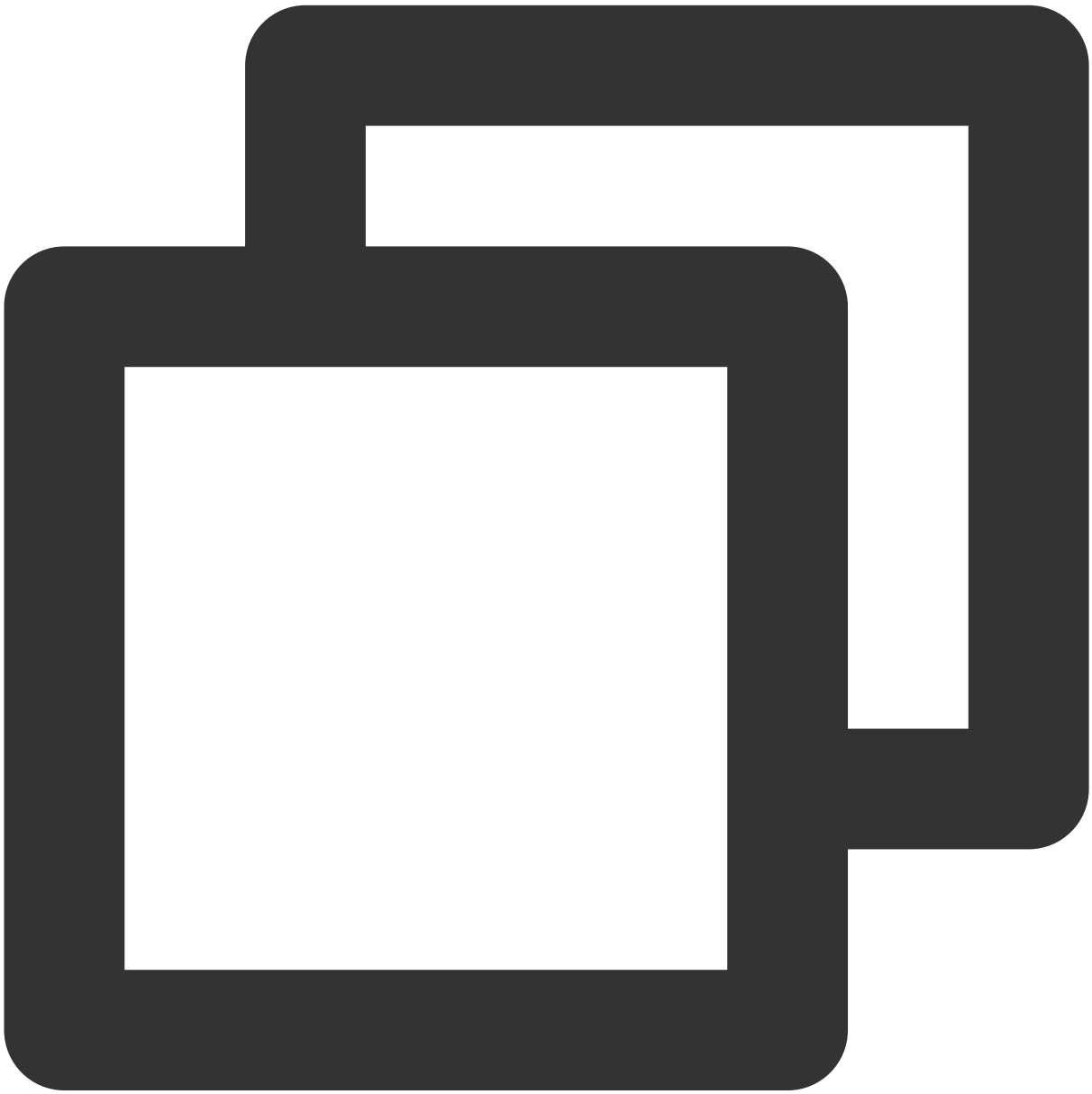
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/sharpen/<value>"
  }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Operation name: sharpen.

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/sharpen/<value>	Sharpens an image, where `value` controls the strength of the sharpening effect. The value must be an integer ranging from 10 to 300 (70 is recommended). The greater the value, the more obvious the sharpening effect.
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

Samples

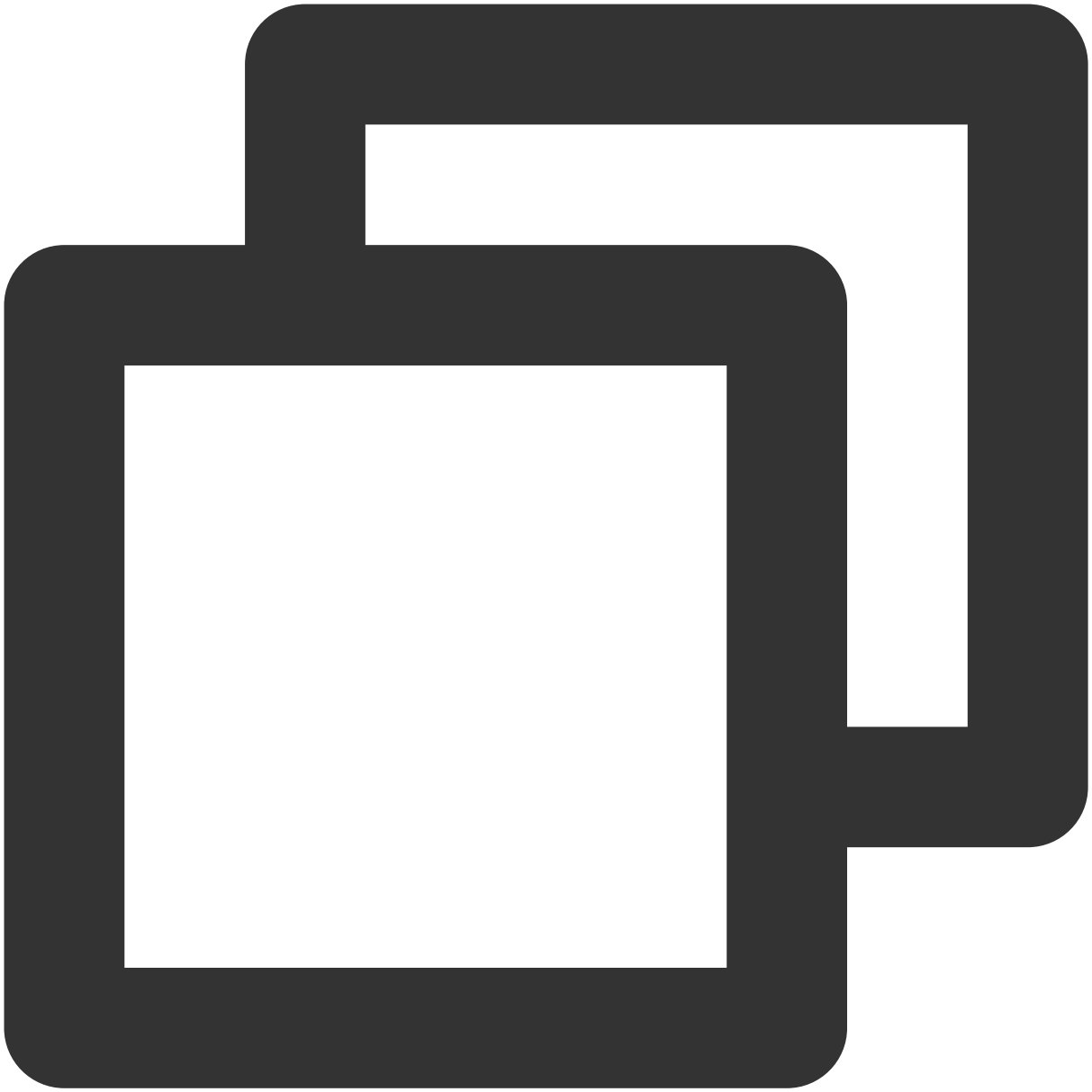
Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

Sample 1: Sharpening an image

This example sharpens an image with the sharpening value of `70` :

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/shar
```

Output image:

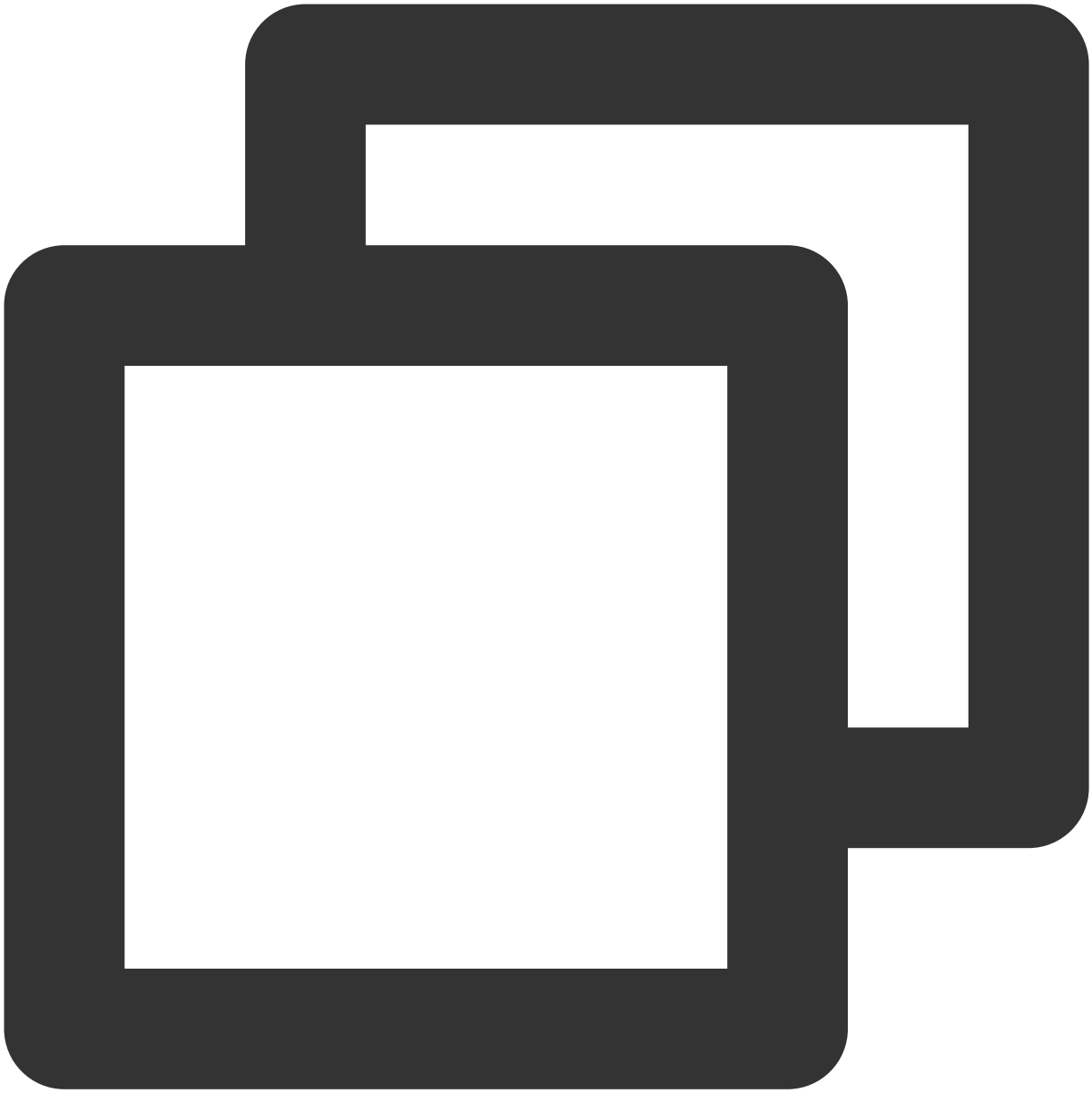
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Sample 2: Sharpening an image with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

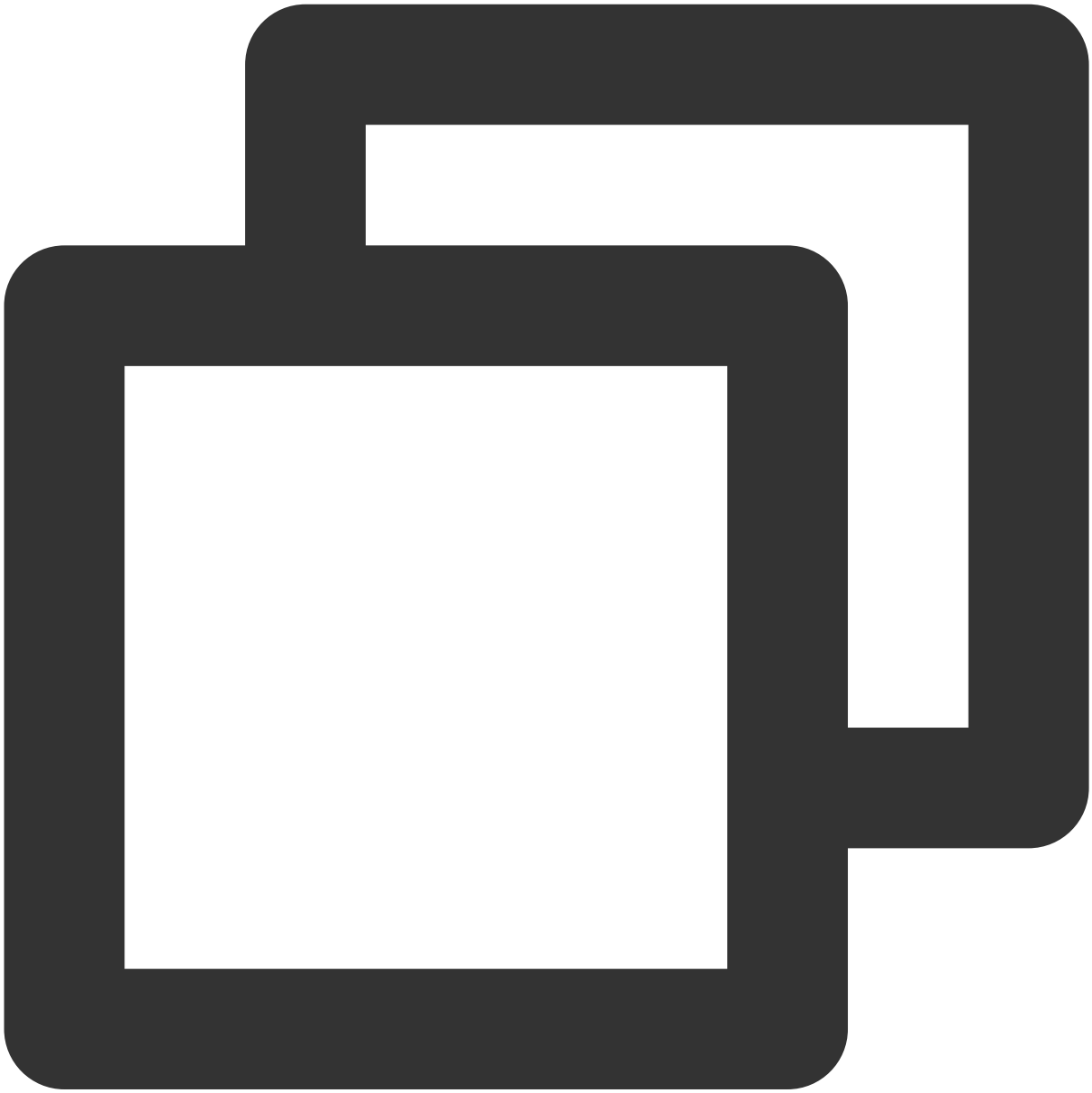
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Grayscale Image

Last updated：2024-02-18 10:36:35

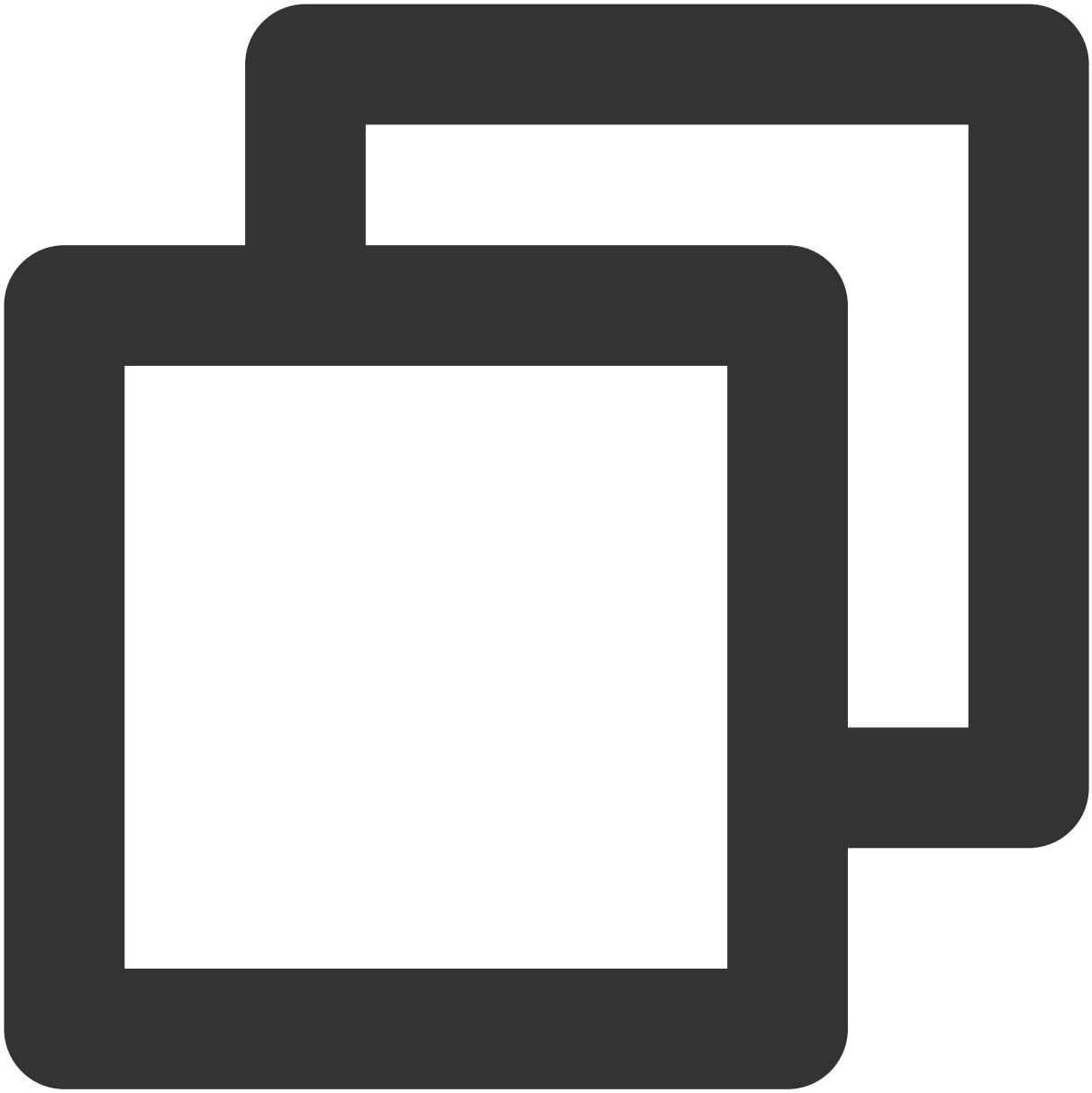
Feature Overview

CI uses the **imageMogr2/grayscale** API to set an image to be a grayscale image.

API Sample

1. Processing during download

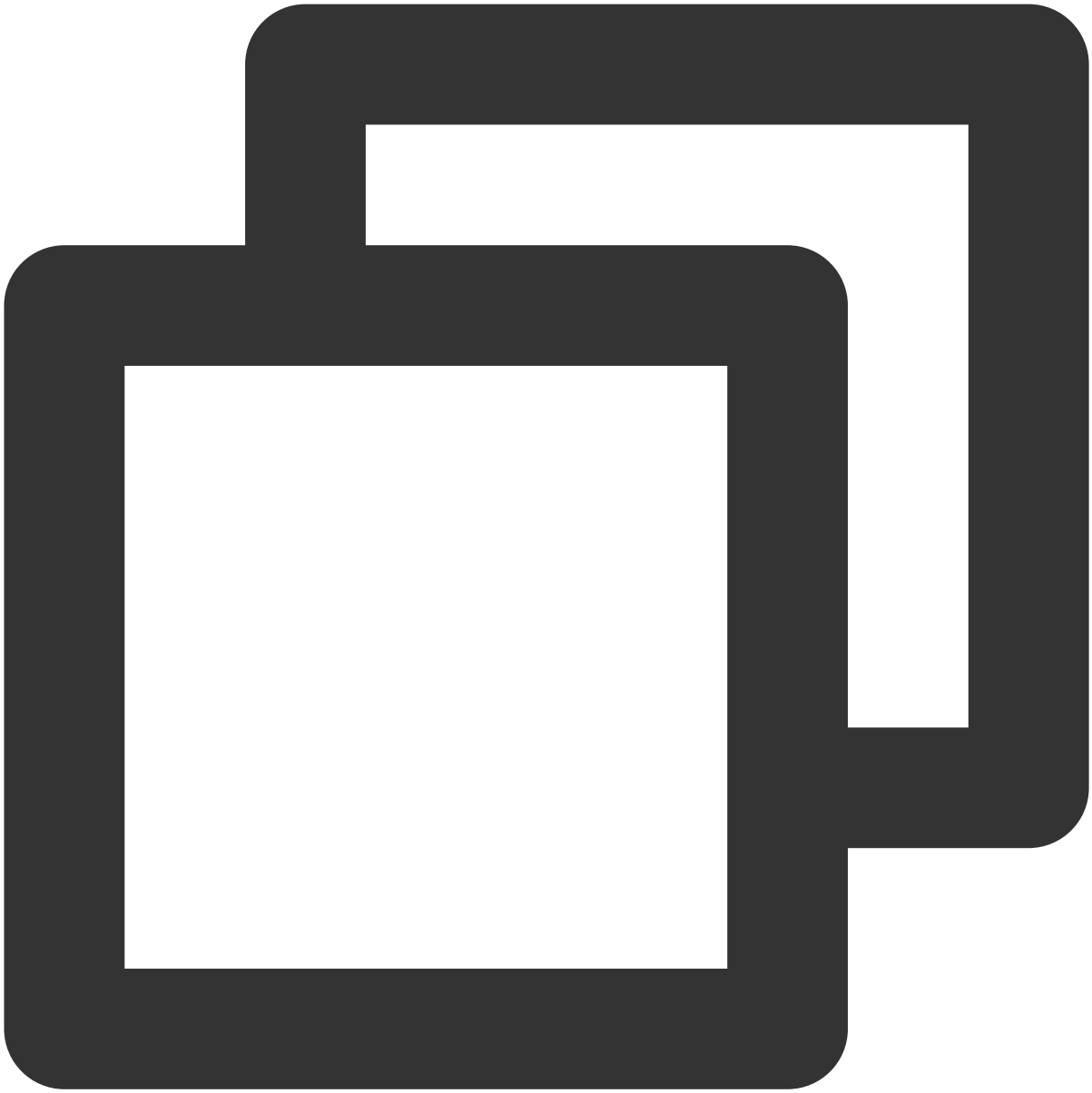
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```
GET /<ObjectKey>?imageMogr2/grayscale/<value> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/grayscale/<value>"
  }]
```

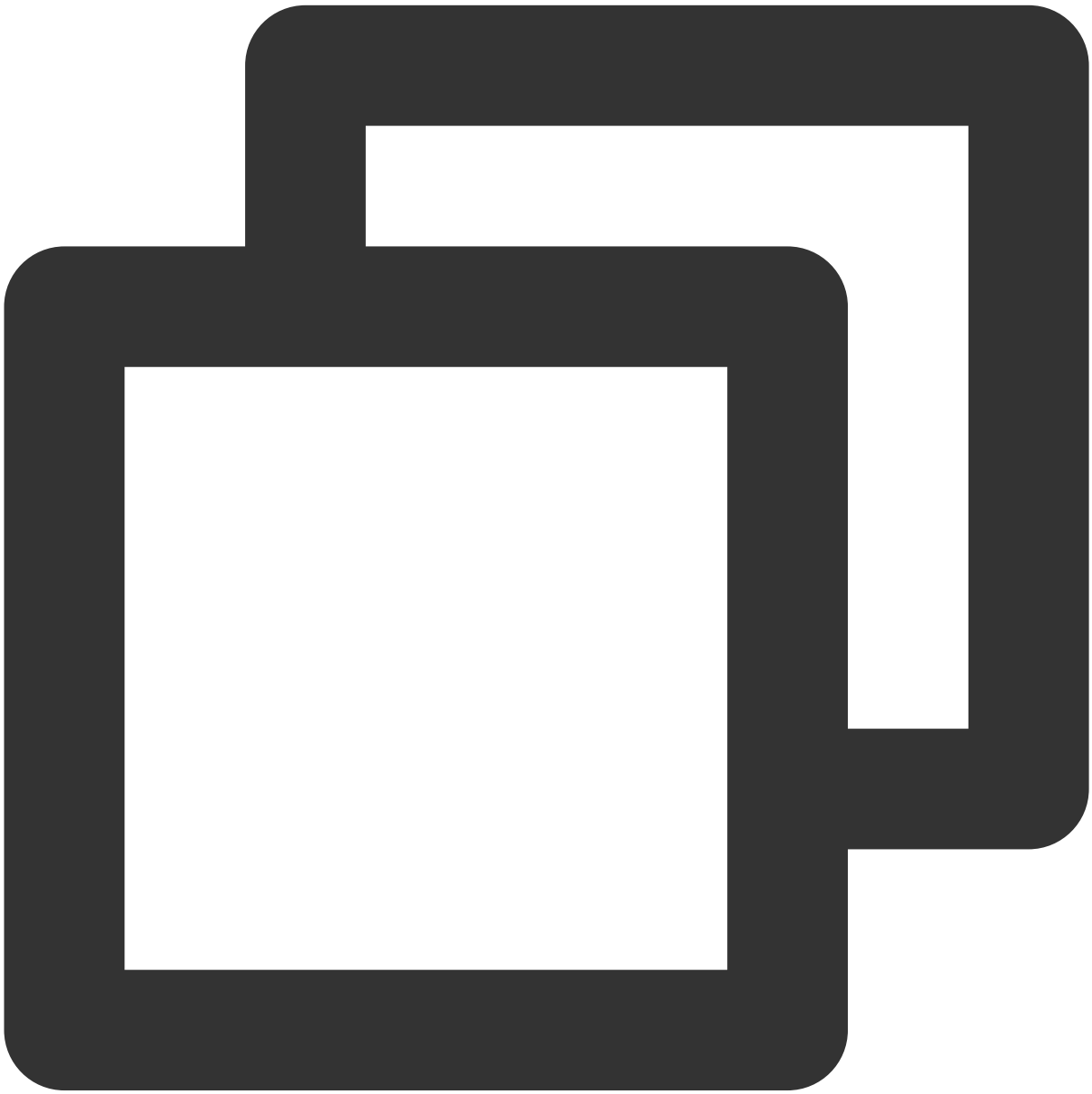
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/grayscale/<value>"
  }]
}
```

Parameters

Operation name: grayscale.

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/grayscale/<value>	Whether to set an image to be a grayscale image. Valid values of the `value` field: `0` (no), `1` (yes).
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

Samples

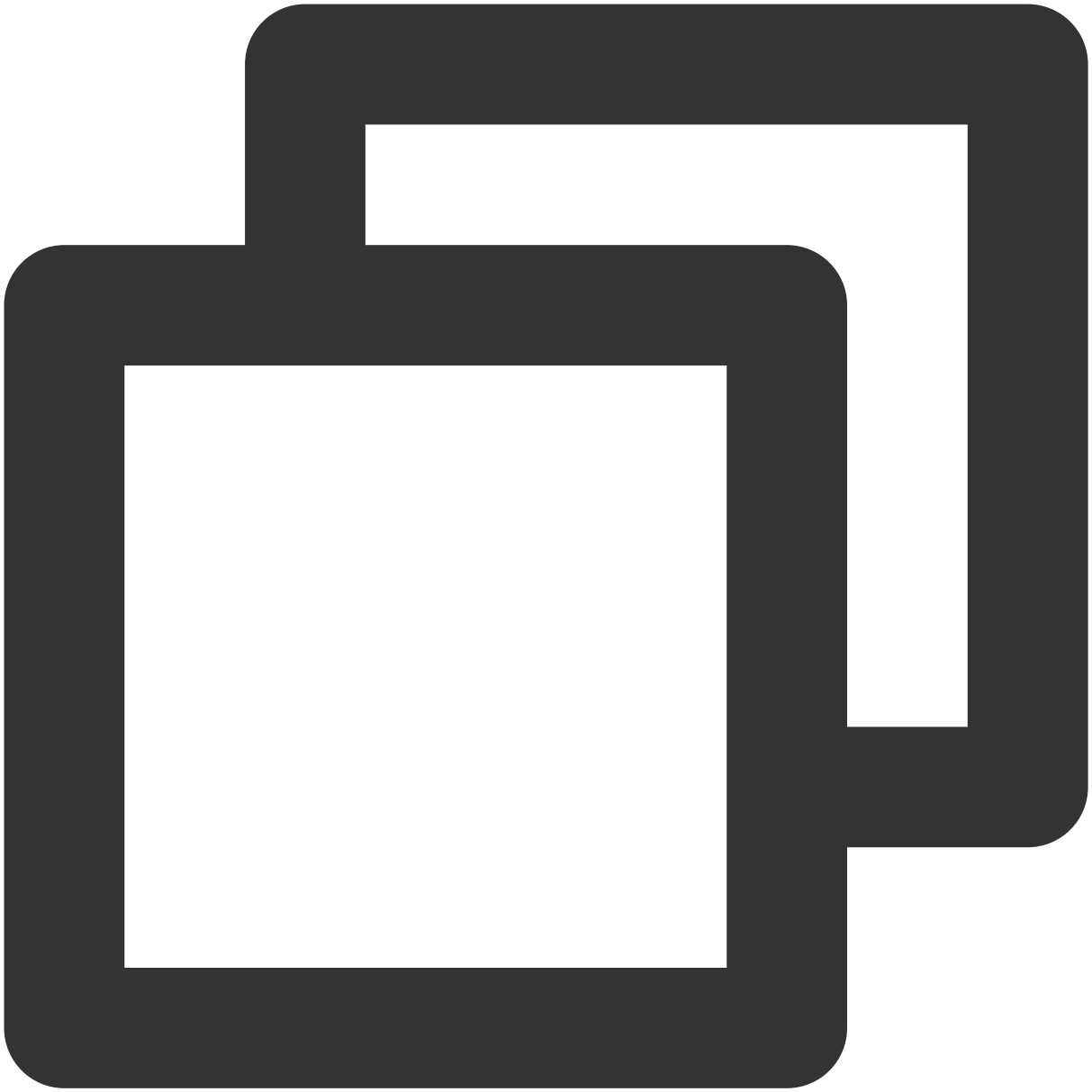
Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

Sample 1: Setting an image to be a grayscale image

This example sets an image to be a grayscale image:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/gray
```

Output image:

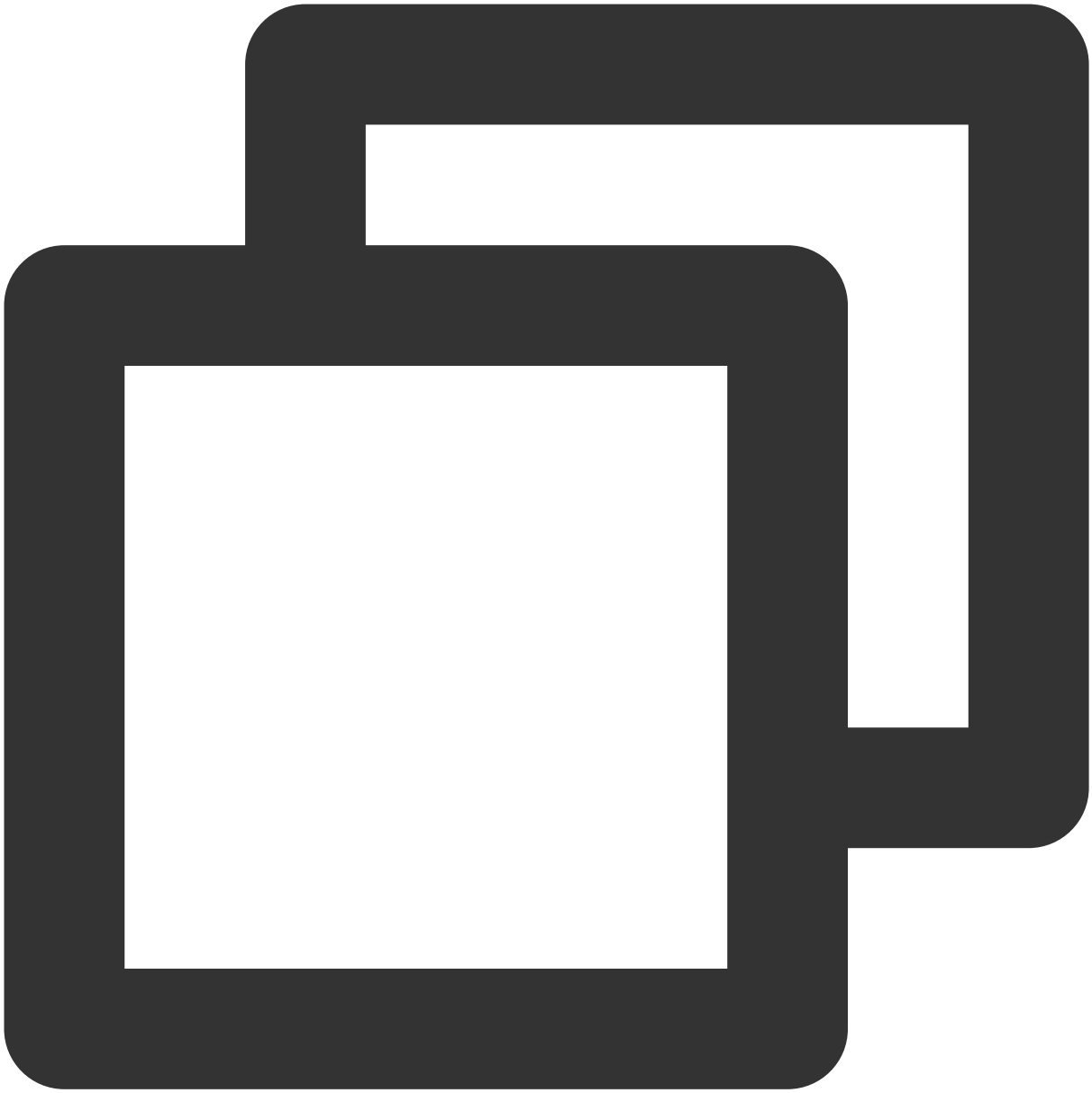
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Sample 2: Sharpening an image with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

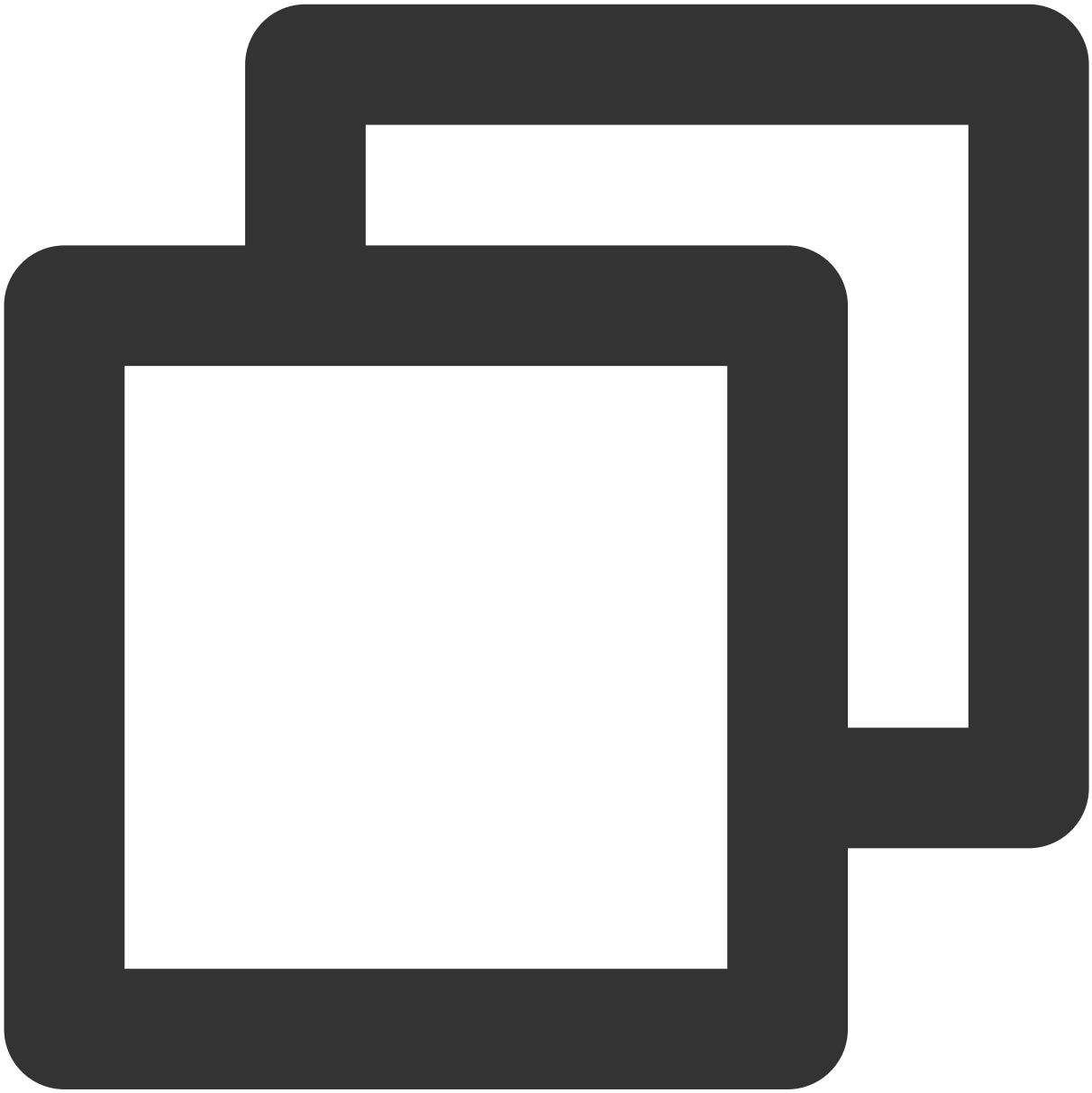
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Image Watermarking

Last updated：2024-02-18 10:36:35

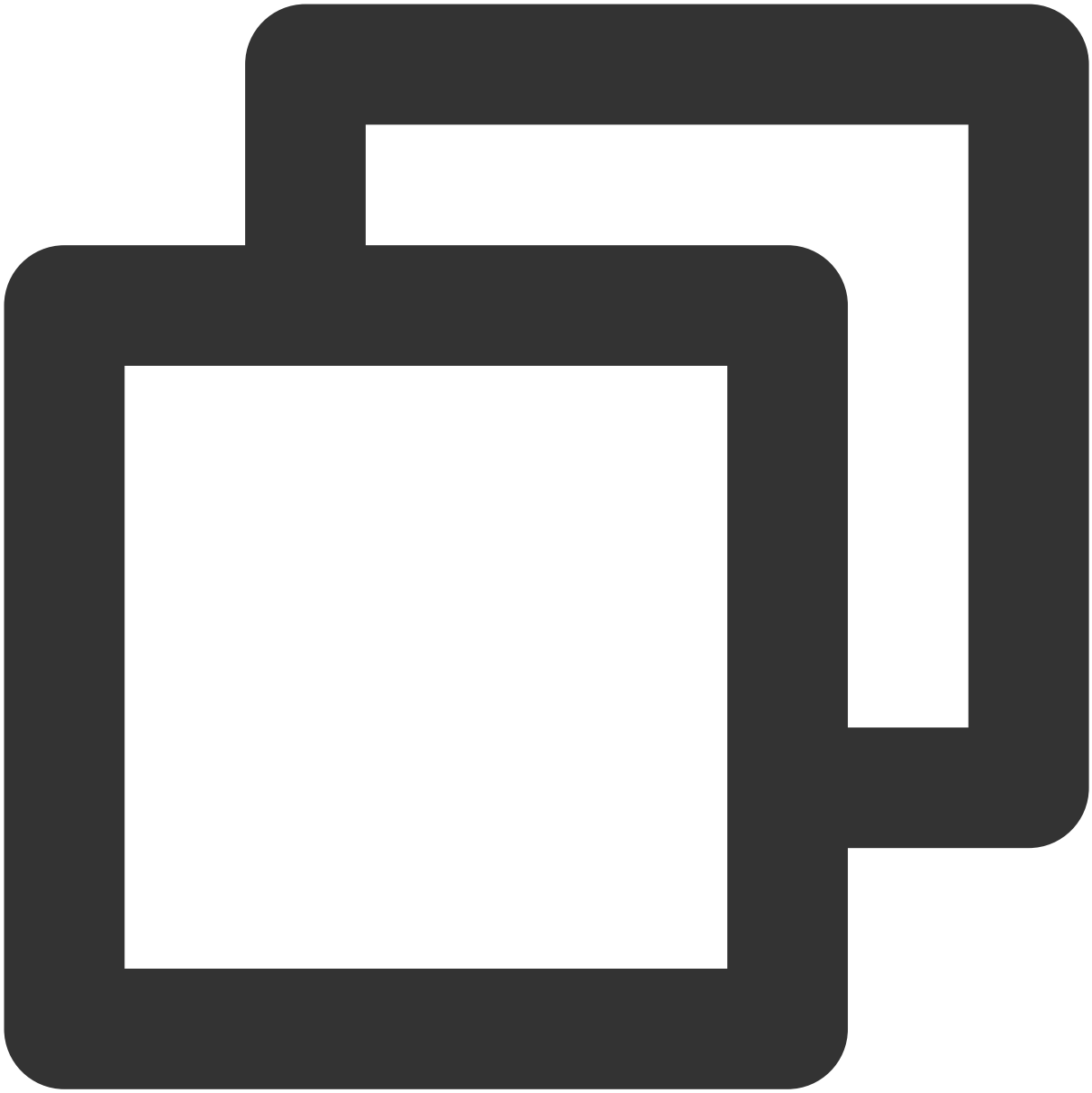
Feature Overview

CI uses the **watermark** API to add image watermarks. Currently, only image watermarks stored in CI can be added. An input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels. For an input animated image, its total number of pixels (Width x Height x Number of frames) cannot exceed 250 million.
An image can be processed:
Upon download
Upon upload
In cloud
Note:
You can overlay up to 10 image watermarks over a single image.
An animated image cannot be used as a watermark.

API Format

1. Processing upon download

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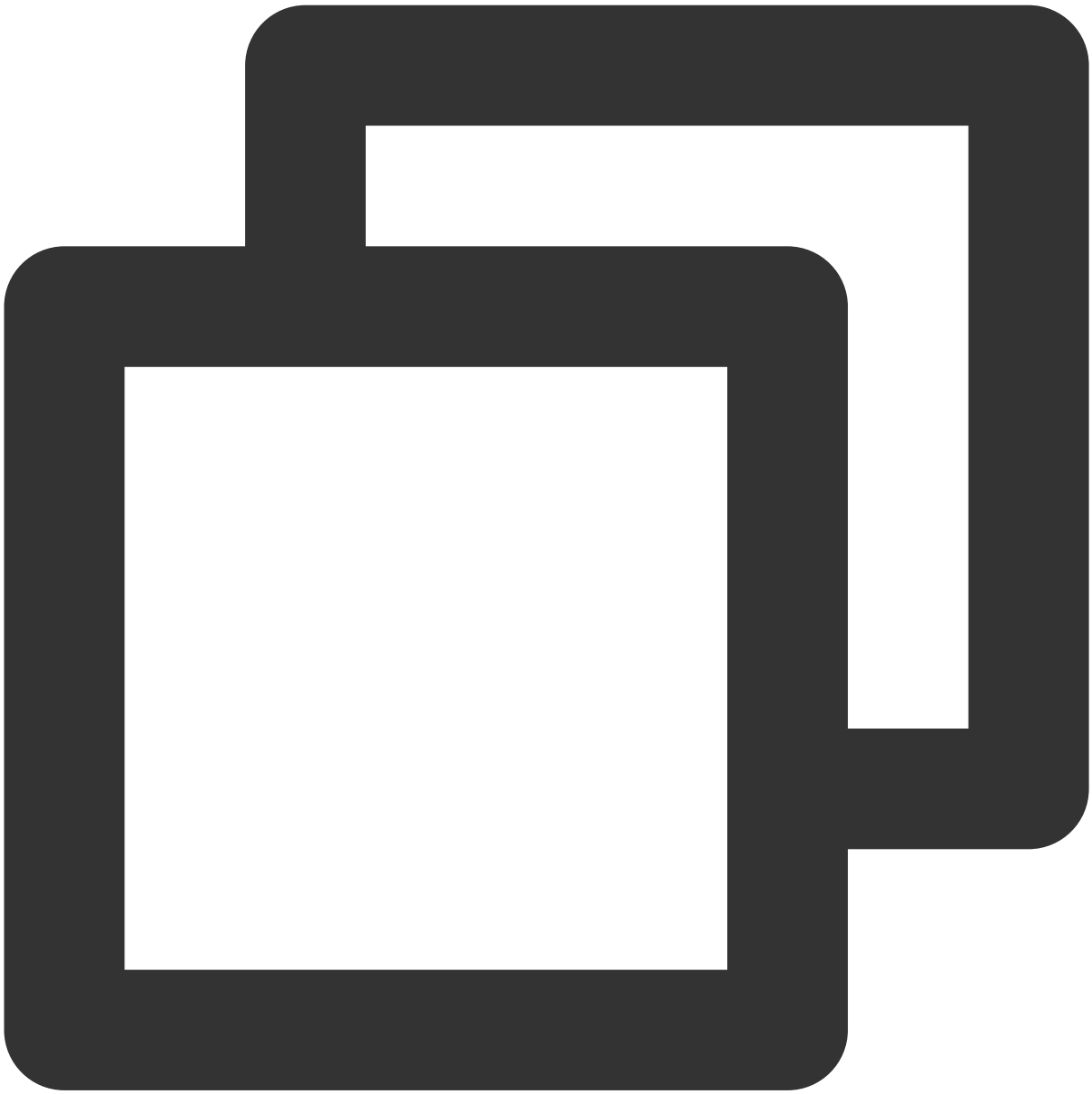
```
GET /<ObjectKey>?watermark/1/image/<encodedURL>
                            /gravity/<gravity>
                            /dx/<dx>
                            /dy/<dy>
                            /blogo/<type> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

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Spaces and line breaks above are for readability only and can be ignored.

2. Processing upon upload



```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
```

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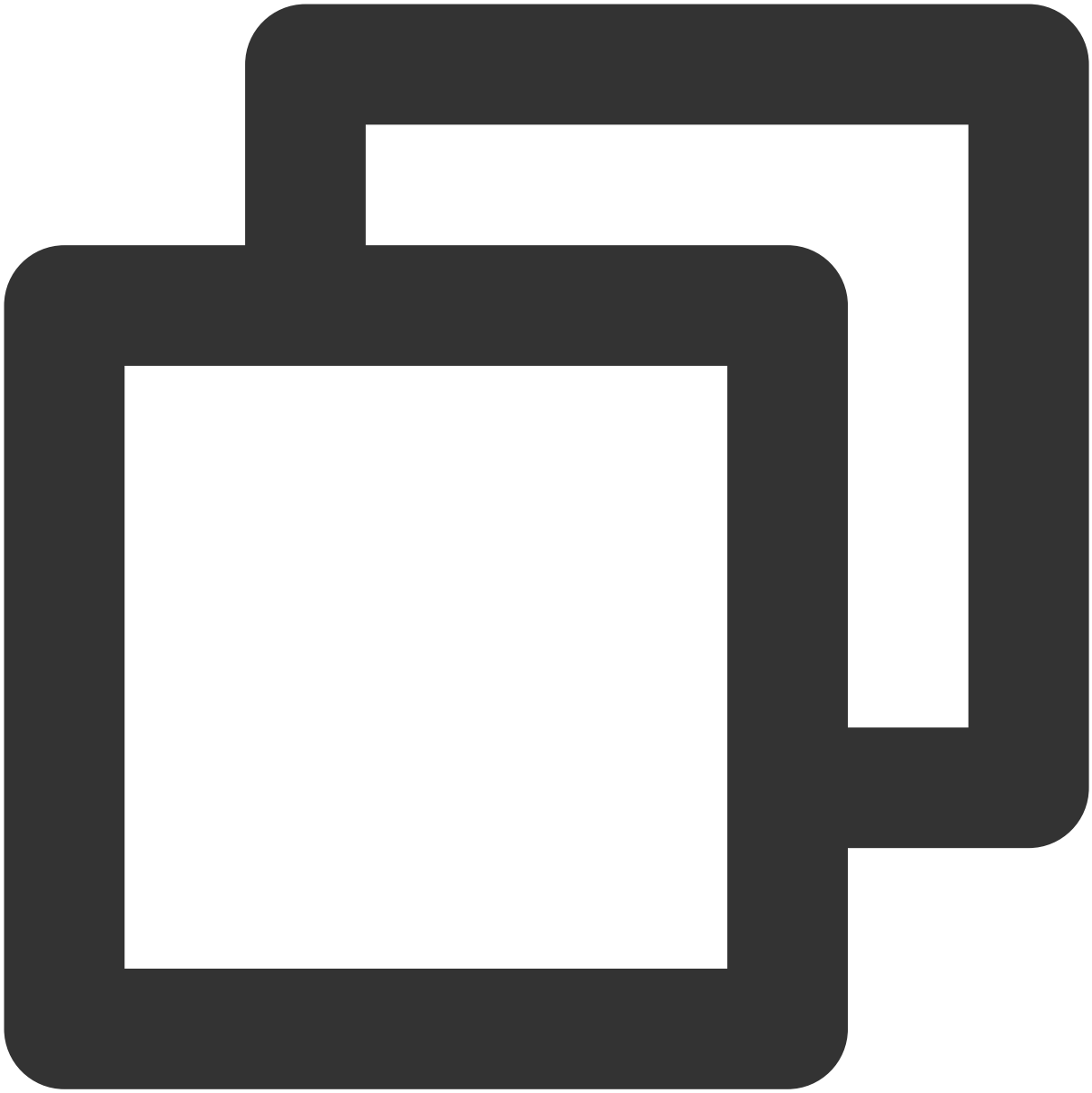
```
   "rules": [{
       "fileid": "exampleobject",
       "rule": "watermark/1/image/<encodedURL>
                          /gravity/<gravity>
                          /dx/<dx>
                          /dy/<dy>
                          /blogo/<type>"
   }]
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data

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```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "watermark/1/image/<encodedURL>
```

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```
                            /gravity/<gravity>
                            /dx/<dx>
                            /dy/<dy>
                            /blogo/<type>"
    }]
}
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Parameters

In the code above, watermark is the operation name and the number 1 indicates that the watermark is an image.

Parameter	Description
ObjectKey	Object name, such as folder/sample.jpg.
/image/	URL-safe Base64-encoded URL of the image watermark. For example, if the image watermark URL `1250000000.cos.ap-shanghai.myqcloud.com/shuiyin_2.png` , you should set this parar `aHR0cDovL2V4YW1wbGVidWNrZXQtMTI1MDAwMDAwMC5jb3MuYXAtc2hhbmdoYWkubXlxY2xv`
/gravity/	Position of the image watermark, which is a square in a 3x3 grid. Default value: `SouthEast`
/dx/	Horizontal offset in pixels. Default value: 0
/dy/	Vertical offset in pixels. Default value: 0
/blogo/	Adaptation mode for an image watermark that is larger than the input image. Valid values: 1: scales the image watermark to the size of the input image. 2: crops the image watermark to the size of the input image.
/scatype/	Scaling mode for the image watermark (relative to the input image). This parameter must be used tog 1: scales by width. 2: scales by height. 3: scales by area.
/spcent/	Scale ratio of the image watermark, in permillage. This parameter must be used together with `/scatype/` . Value range: 1–1000 (if /scatype/ is set to 1) 1–1000 (if /scatype/ is set to 2)

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	1–250 (if /scatype/ is set to 3) Example: `http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.j` `watermark/1/image/xxxxxxx/scatype/3/spcent/250`
/dissolve/	Opacity of the image watermark. Value range: 1–100. Default value: 90 (meaning 90% opacity)
/batch/	Whether to tile the image watermark. If this parameter is set to 1, the image watermark will be tiled ac
/degree/	Angle to rotate the image watermark. This parameter is valid only when /batch/ is set to 1. Value rang

Note:

An image watermark must:

Be stored in the same bucket as the input image.

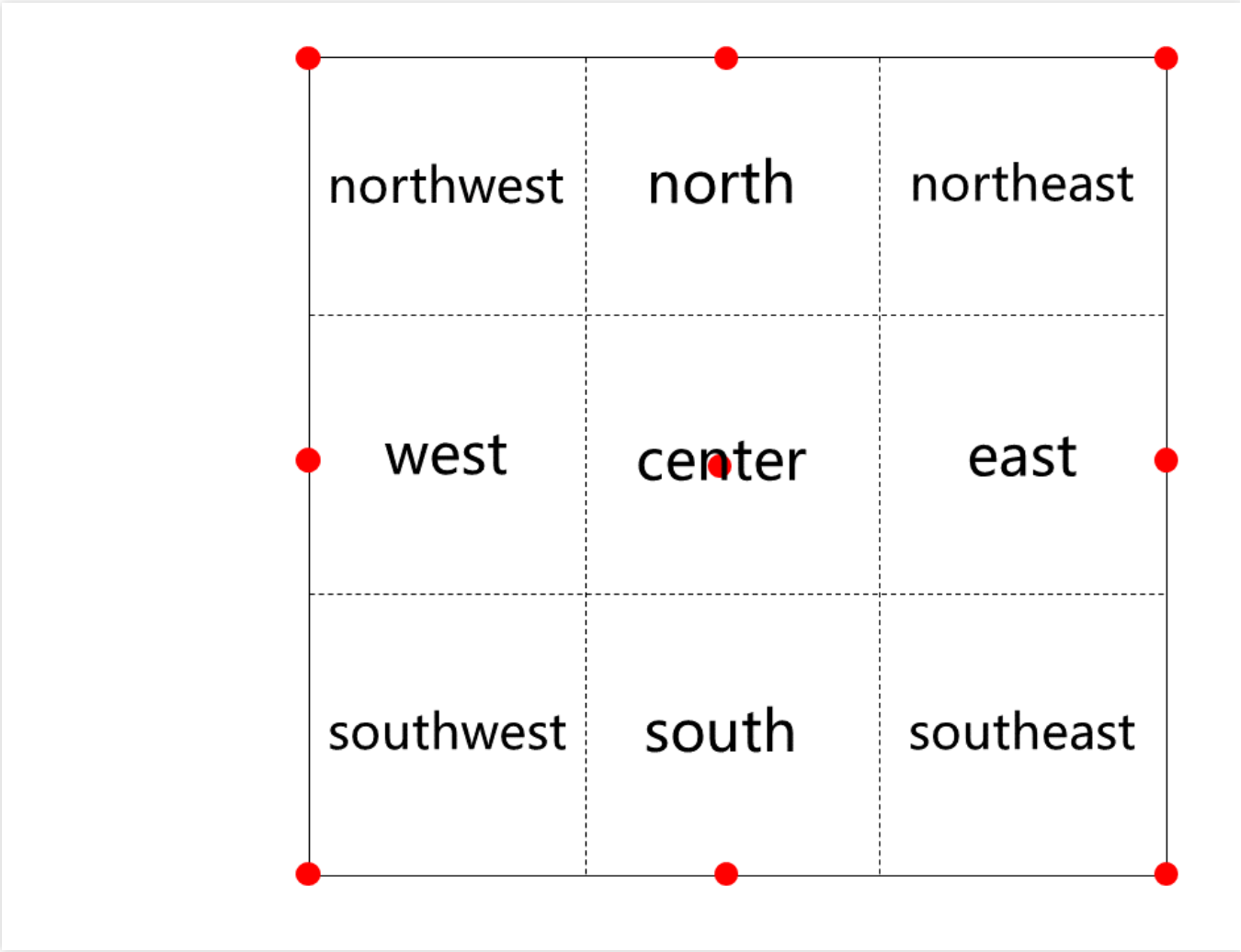
Have a URL containing a COS domain name (a CDN acceleration domain name such as `examplebucket-1250000000.file.myqcloud.com/shuiyin_2.png` is unsupported) and be accessible (if the image watermark is set to private-read, it must carry a signature).

Have a URL starting with `http://` . Note that “http://” cannot be omitted or changed to “https://”. For example, `examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/shuiyin_2.png` and `https://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/shuiyin_2.png` are invalid watermark URLs.

3x3 Grid Position Diagram

The 3x3 grid position diagram is as follows. Once you specify the `gravity` parameter for an operation, the corresponding red dot becomes the reference point, and offsets will be relative to this point.

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Note:

If `gravity` is set to `center`, `dx` and `dy` are invalid.

If `gravity` is set to `north` or `south`, `dx` is invalid.

If `gravity` is set to `west` or `east`, `dy` is invalid.

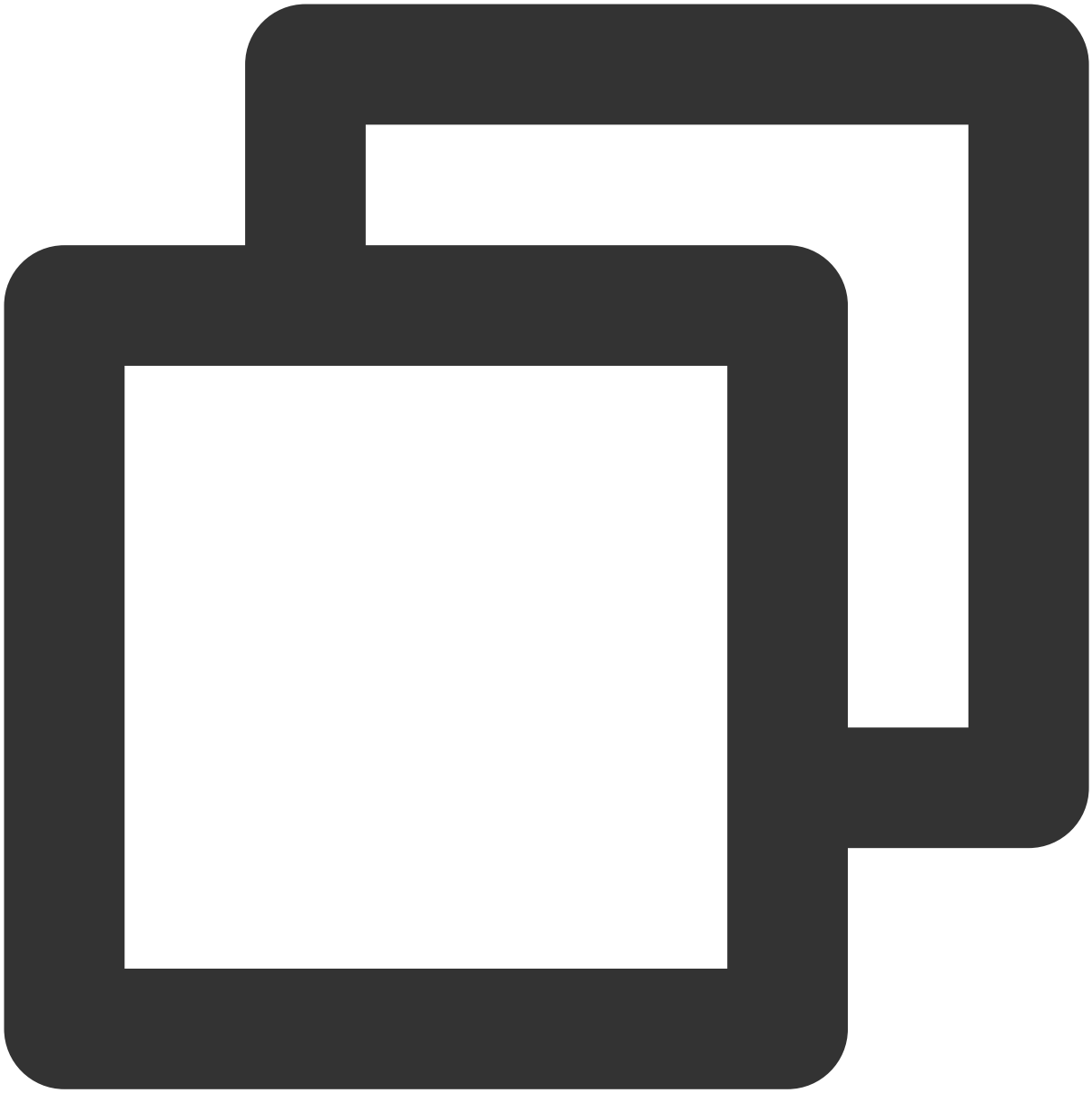
Examples

Note:

Processing upon download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use **Processing upon upload** or **Processing in-cloud data**.

Example 1: Adding an image watermark

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?watermark/1/ima
```

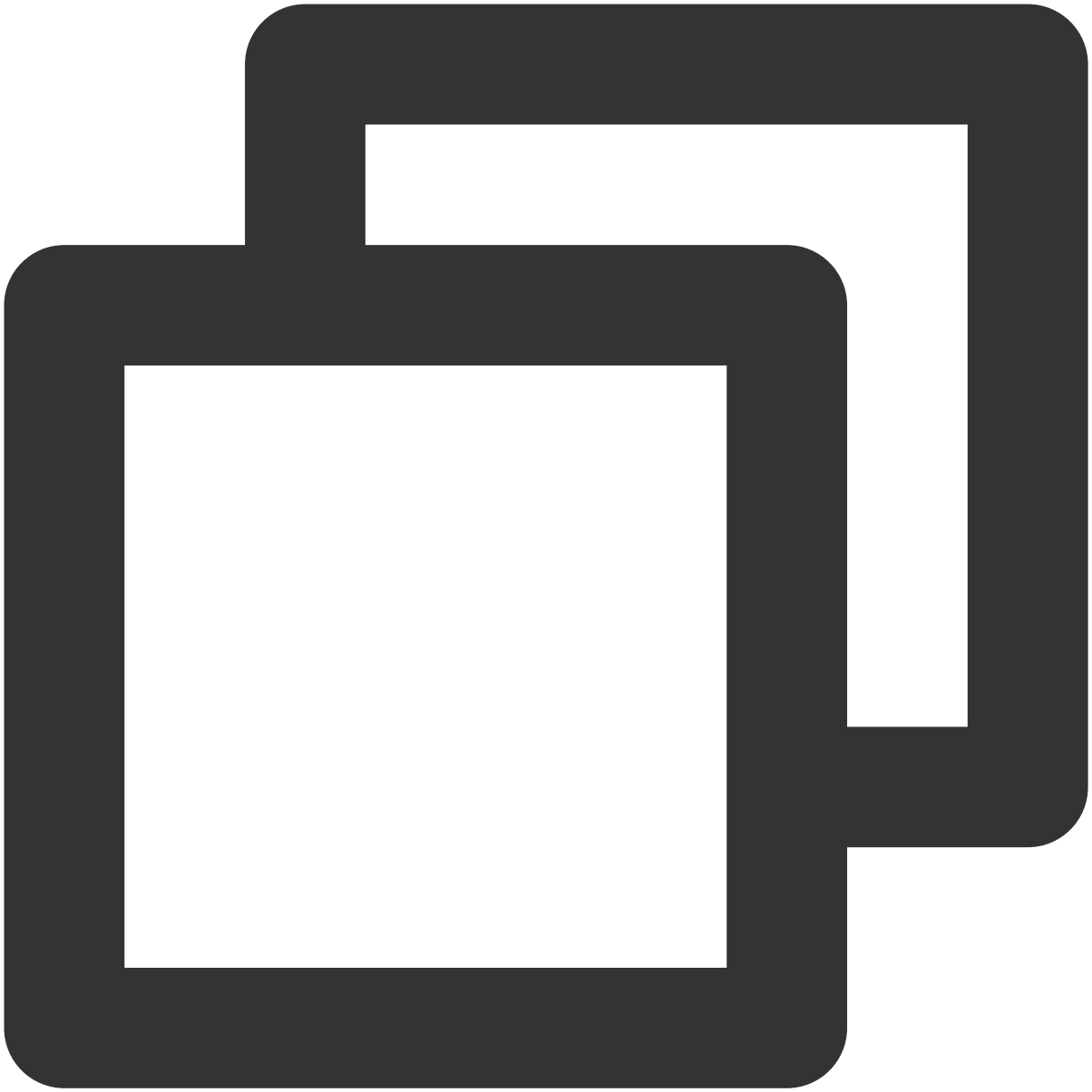
After an image watermark is added:

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Example 2: Adding an image watermark with the tile mode and opacity specified

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```
https://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?watermark/1/im
```

The effect of an added image watermark rotated by 45 degrees and tiled with 40% opacity is as follows:

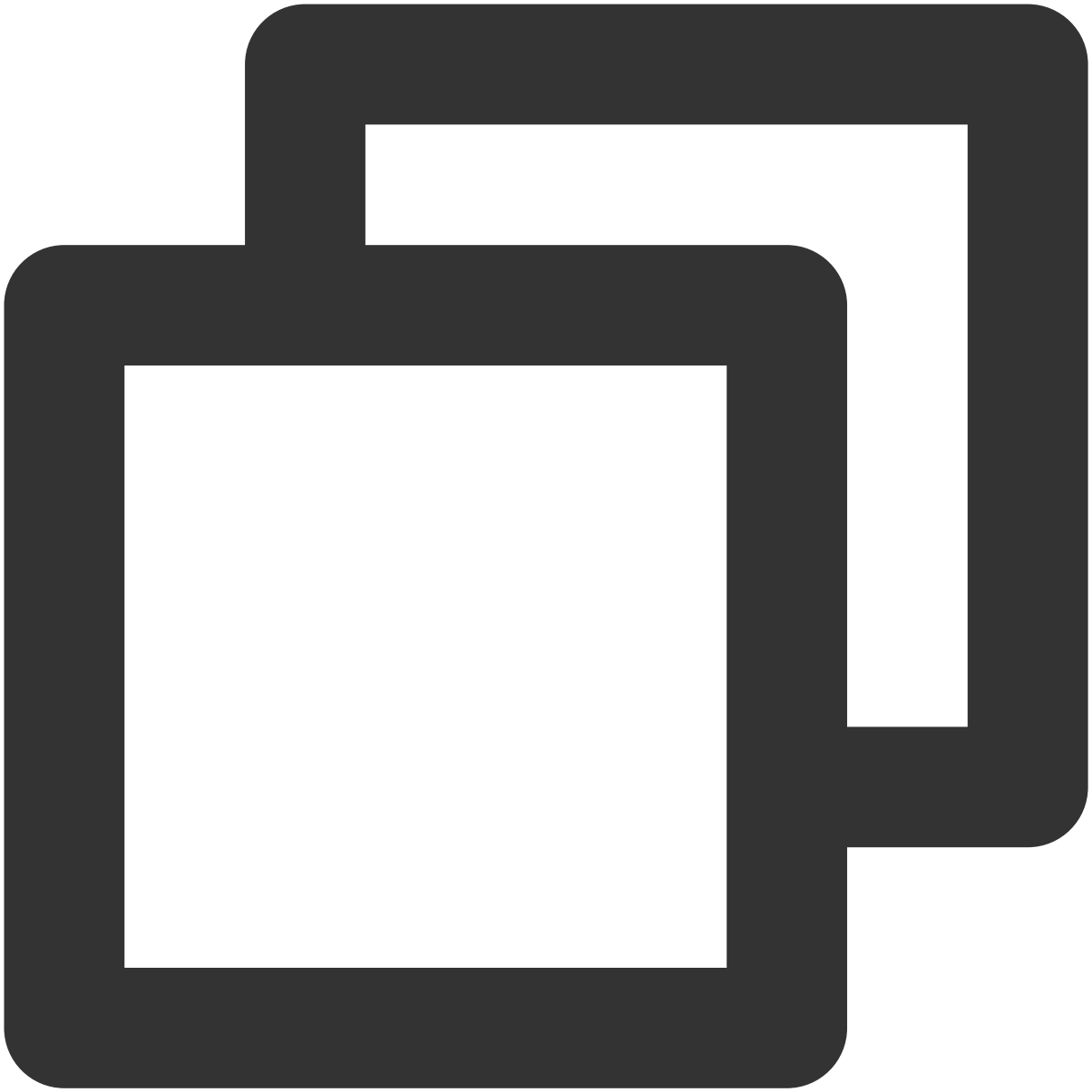
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Example 3: Adding an image watermark with a signature carried

This example processes the image in the same way as in the example above except that a signature is carried. The signature is joined with other processing parameters using an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

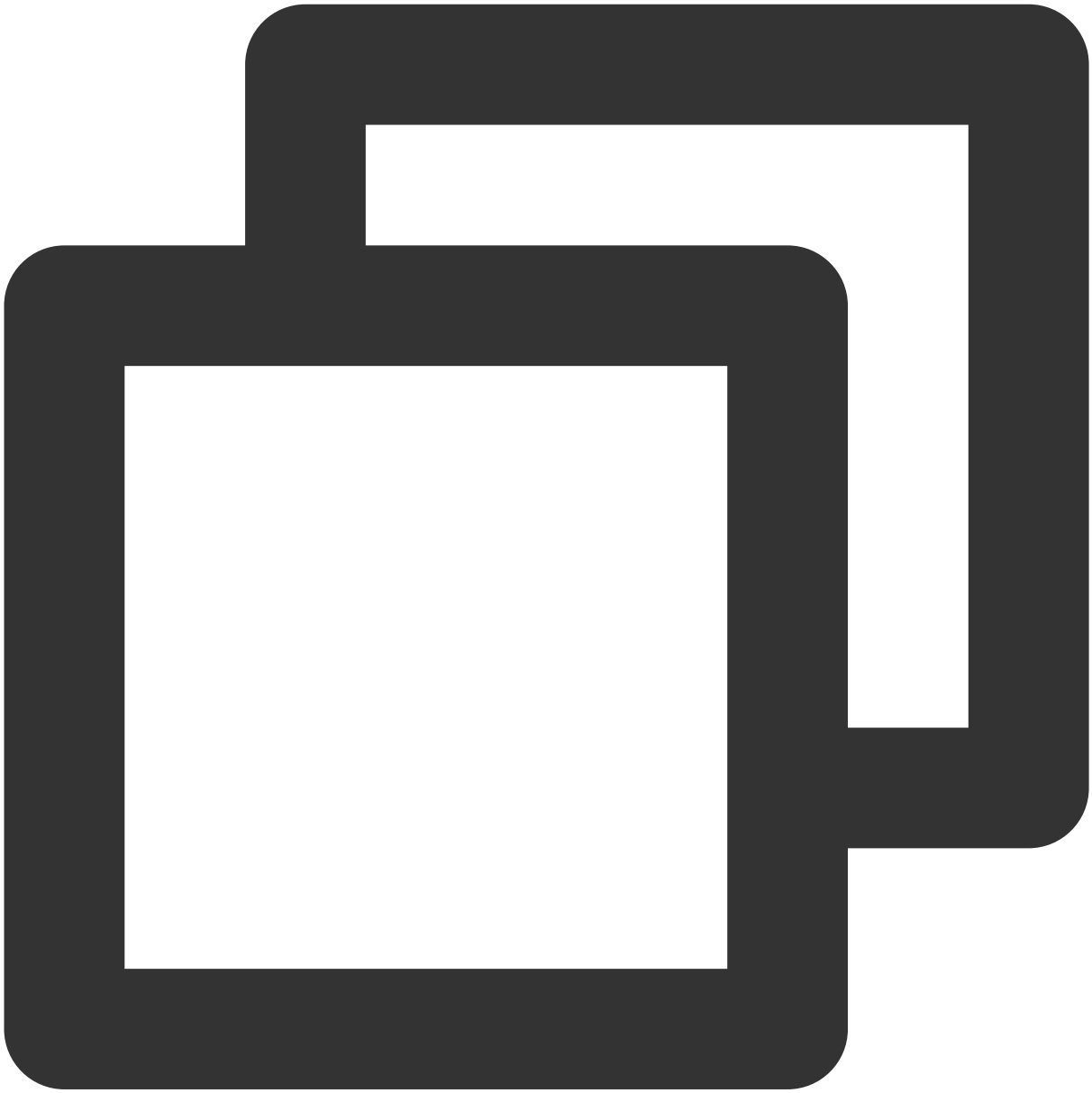
Note:

You can obtain the value of `<signature>` by referring to Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Text Watermarking

Last updated：2024-02-18 10:36:36

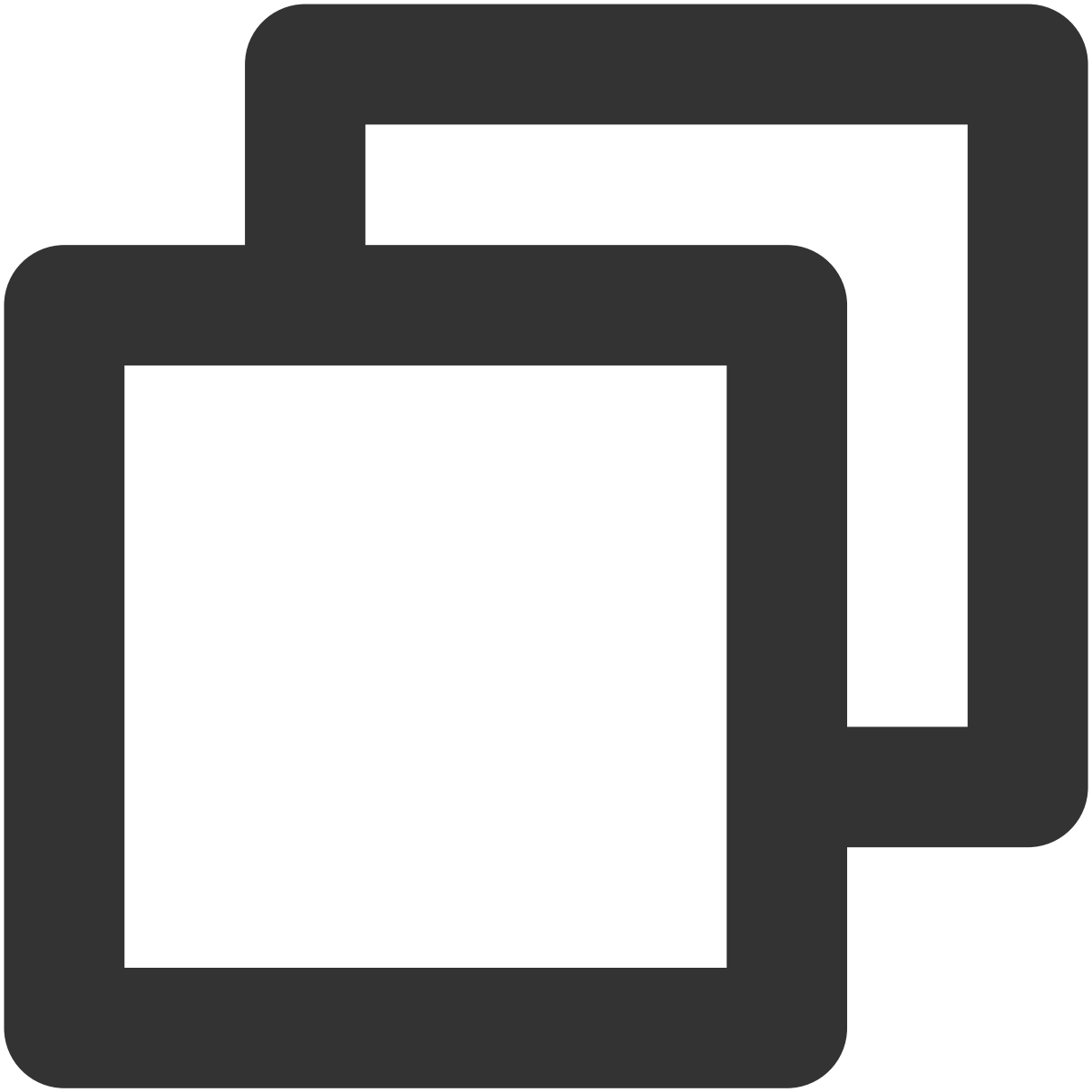
Feature Overview

CI uses the **watermark** API to add text watermarks in real time. An input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels. For an input animated image, its total number of pixels (Width x Height x Number of frames) cannot exceed 250 million.
An image can be processed:
Upon download
Upon upload
In cloud

API Format

1. Processing upon download

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```
GET /<ObjectKey>?watermark/2/text/<encodedText>
                            /font/<encodedFont>
                            /fontsize/<fontSize>
                            /fill/<encodedColor>
                            /dissolve/<dissolve>
                            /gravity/<gravity>
                            /dx/<dx>
                            /dy/<dy>
                            /batch/<type>
                            /degree/<degree>
                            /shadow/<shadow> HTTP/1.1
```

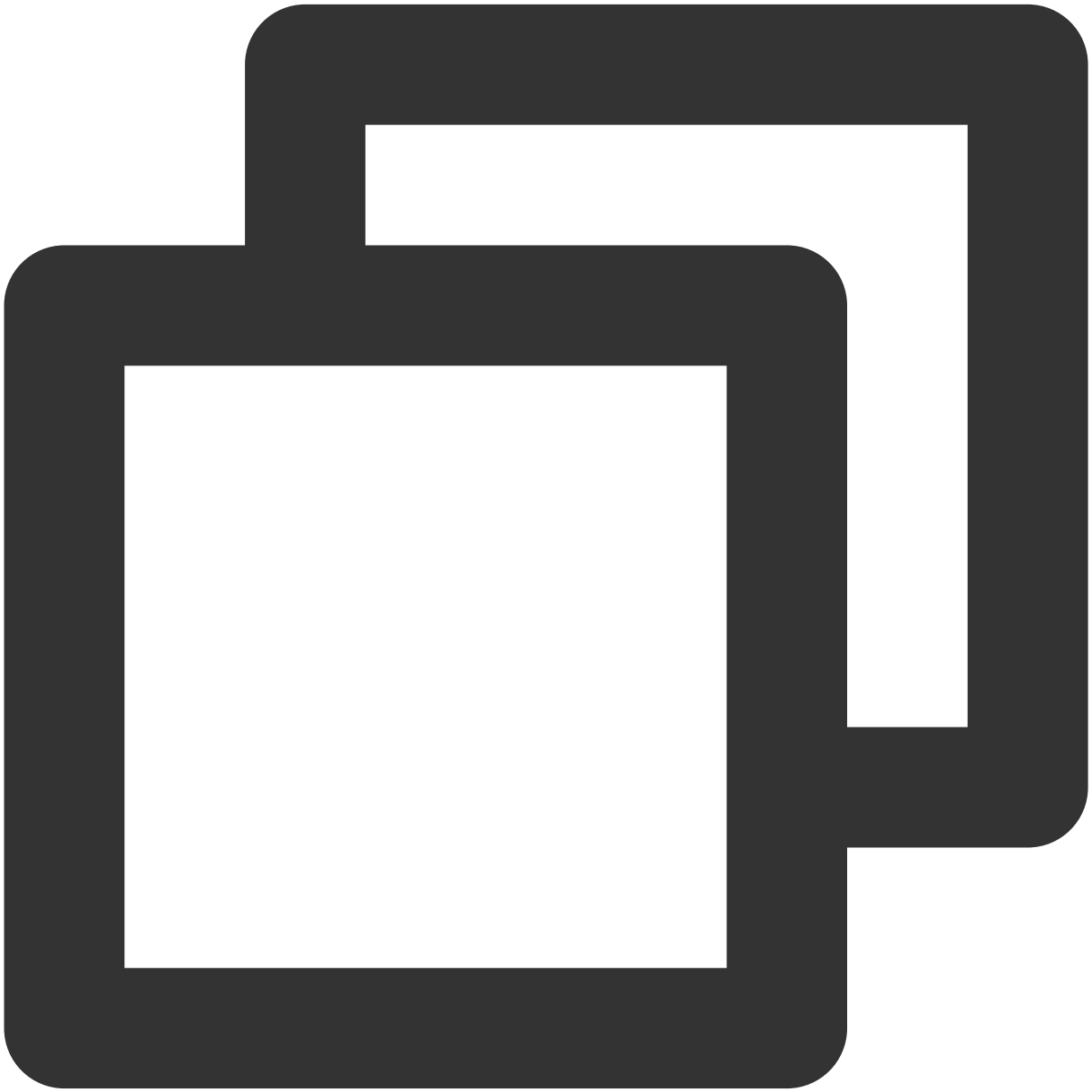
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```
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Spaces and line breaks above are for readability only and can be ignored.

2. Processing upon upload



```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
```

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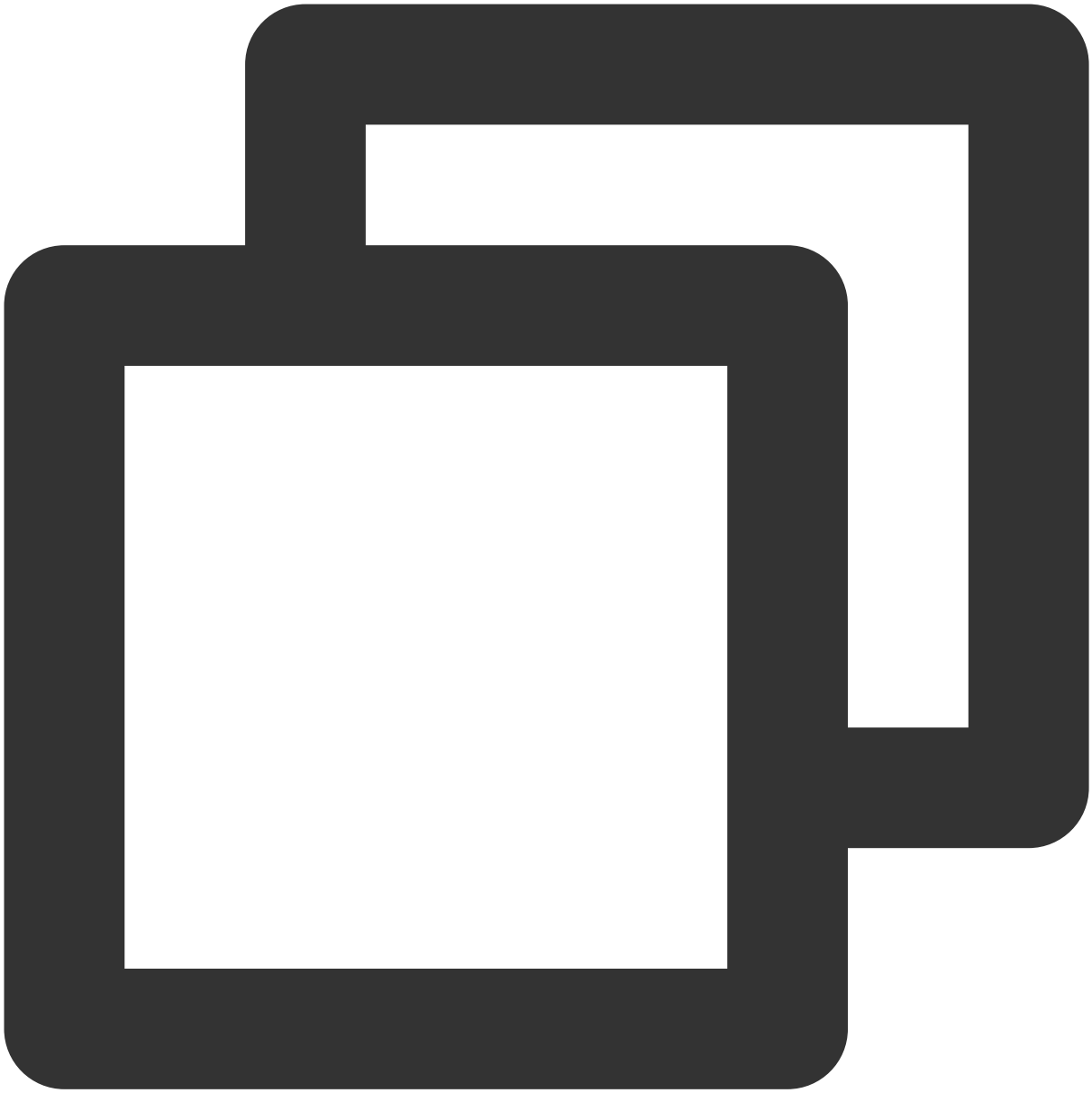
```
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "watermark/2/text/<encodedText>
                        /font/<encodedFont>
                        /fontsize/<fontSize>
                        /fill/<encodedColor>
                        /dissolve/<dissolve>
                        /gravity/<gravity>
                        /dx/<dx>
                        /dy/<dy>
                        /batch/<type>
                        /degree/<degree>
                        /shadow/<shadow>"
  }]
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data

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```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "watermark/2/text/<encodedText>
```

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```
                        /font/<encodedFont>
                        /fontsize/<fontSize>
                        /fill/<encodedColor>
                        /dissolve/<dissolve>
                        /gravity/<gravity>
                        /dx/<dx>
                        /dy/<dy>
                        /batch/<type>
                        /degree/<degree>
                        /shadow/<shadow>"
    }]
}
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Parameters

In the code above, `watermark` is the operation name and the number `2` indicates that the watermark is a text.

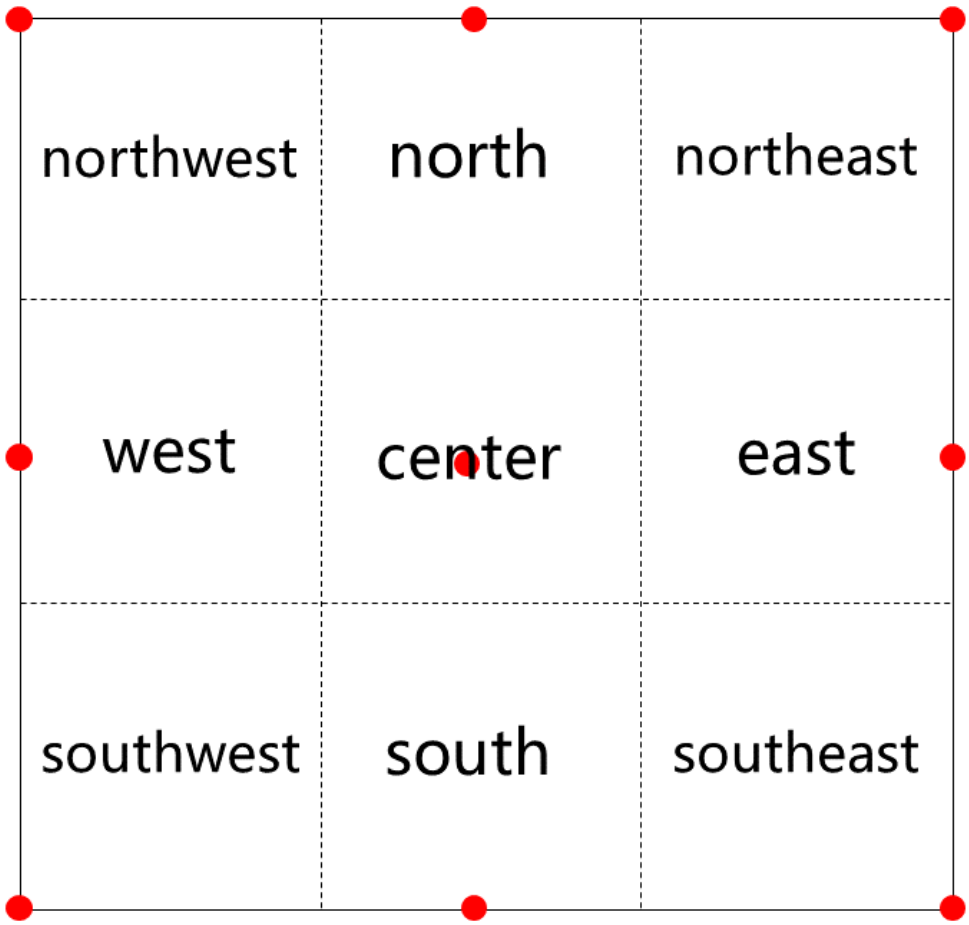
Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/text/	Watermark text, which must be URL-safe Base64-encoded
/font/	Font of the text, which must be URL-safe Base64-encoded. Default font: Tahoma.ttf (see Supported Fonts).
/fontsize/	Font size, in pt. Default value: 13. To scale the text watermark proportionally based on the original image, convert the text watermark to a PNG image. For more configuration information, see Image Watermarking.
/fill/	Font color. The value must be in hexadecimal format, for example, `#FF0000` . For format conversion, see RGB Color Codes Chart. The value must be URL-safe Base64-encoded. Default value: `#3D3D3D` (gray).
/dissolve/	Text opacity. Value range: 1–100. Default value: `90` (meaning 90% opacity)
/gravity/	Position of the text watermark, which is a square in a 3x3 grid. Default value: `southeast`
/dx/	Horizontal offset in pixels. Default value: `0`

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/dy/	Vertical offset in pixels. Default value: `0`
/batch/	Whether to tile the text watermark. If this parameter is set to `1`, the text watermark will be tiled across the input image.
/degree/	Angle to rotate text watermarks. This parameter is valid only when `/batch/` is set to `1`. Value range: 0–360. Default value: `0`
/shadow/	Text shadow effect. Value range: 0–100. Default value: `0`, indicating no shadow.

3x3 Grid Position Diagram

The 3x3 grid position diagram is as follows. Once you specify the `gravity` parameter for an operation, the corresponding red dot becomes the reference point, and offsets will be relative to this point.



Note:

If `gravity` is set to `center`, `dx` and `dy` are invalid.

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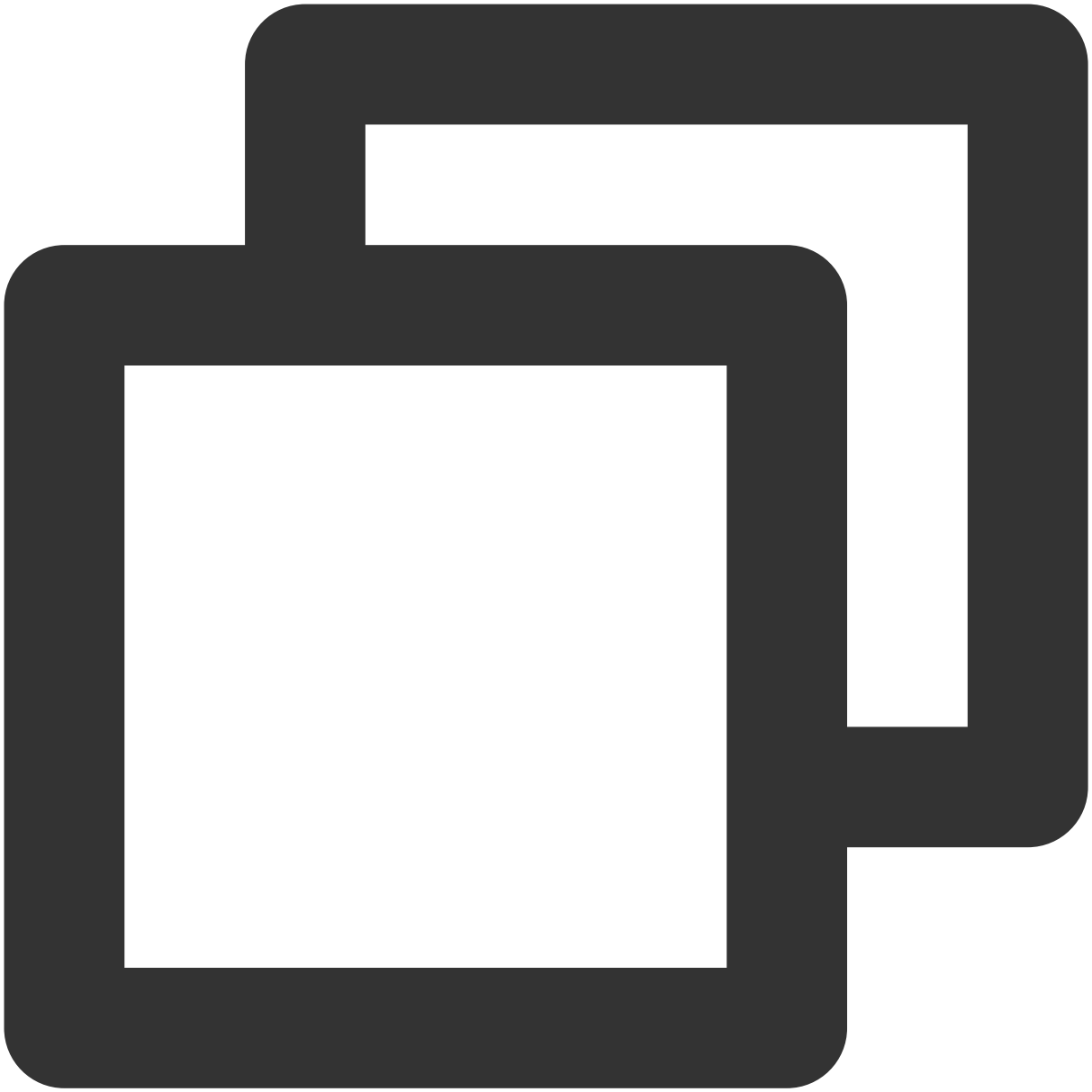
If `gravity` is set to `north` or `south`, `dx` is invalid.
If `gravity` is set to `west` or `east`, `dy` is invalid.

Examples

Note:
Processing upon download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use **Processing upon upload** or **Processing in-cloud data**.

Example 1: Adding a text watermark

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?watermark/2/tex
```

After text watermarks are added:

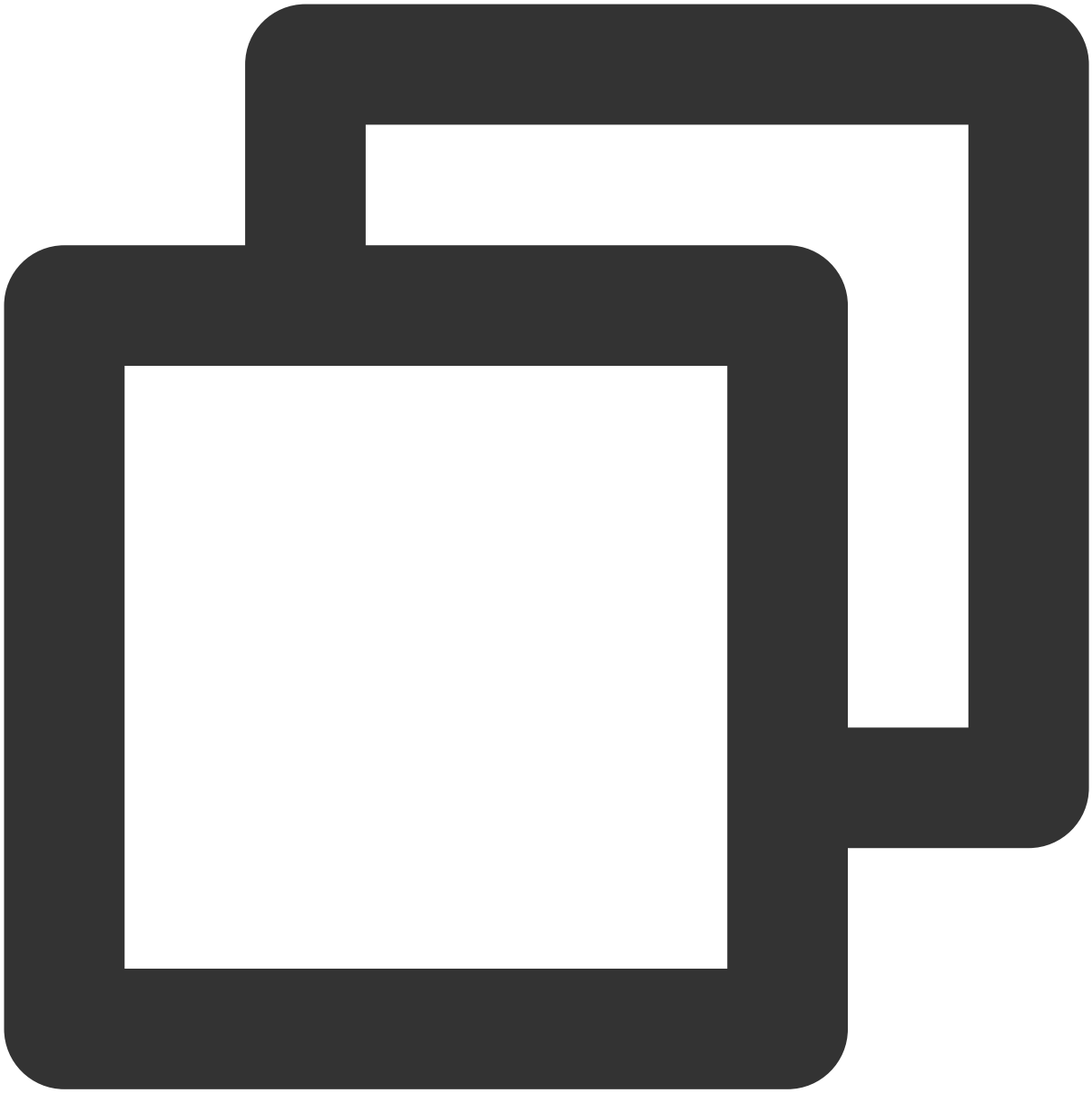
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Example 2: Adding a text watermark with a signature carried

This example processes the image in the same way as in the example above except that a signature is carried. The signature is joined with other processing parameters using an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

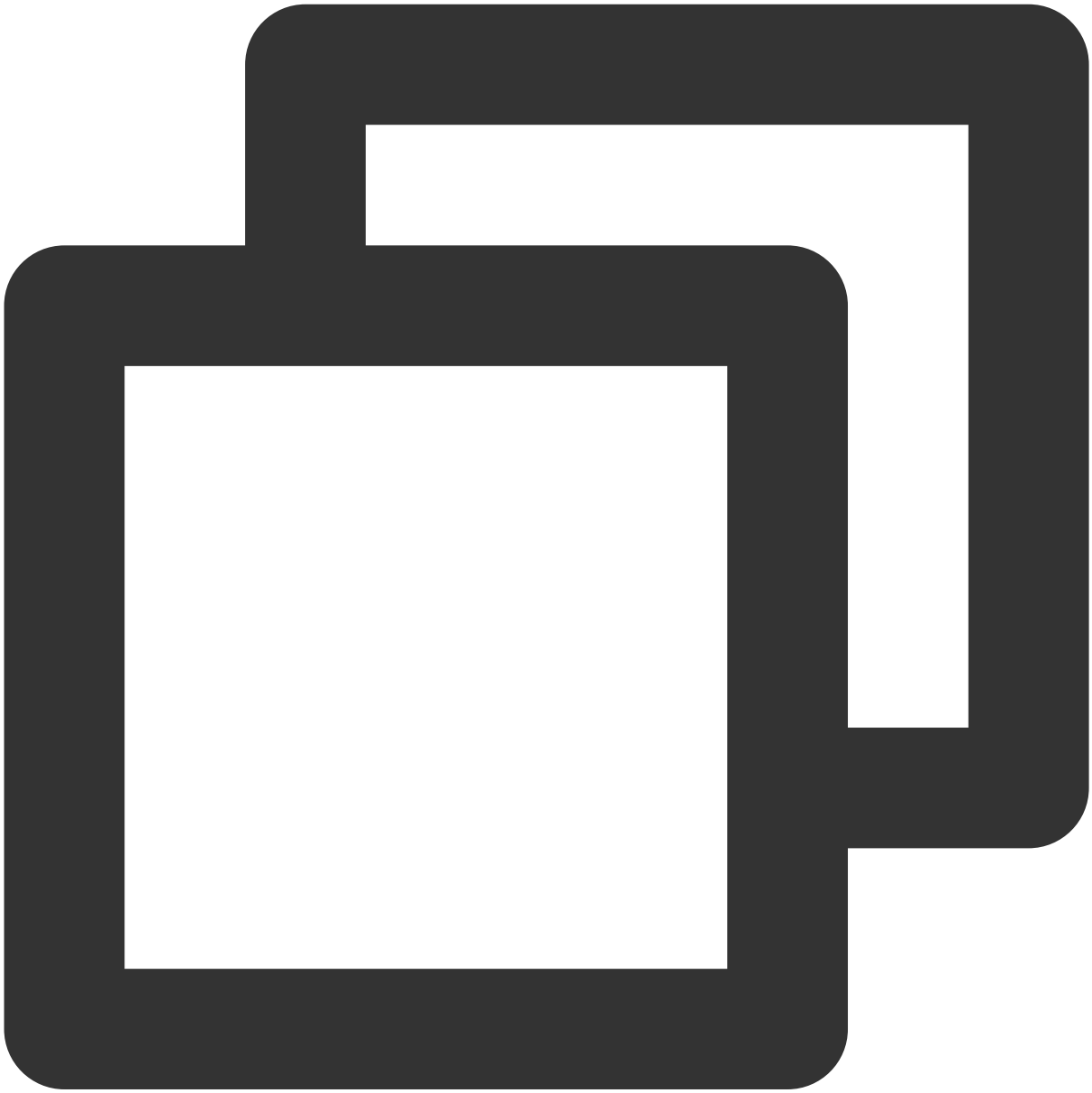
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Obtaining Basic Image Information

Last updated：2024-02-18 10:36:35

Overview

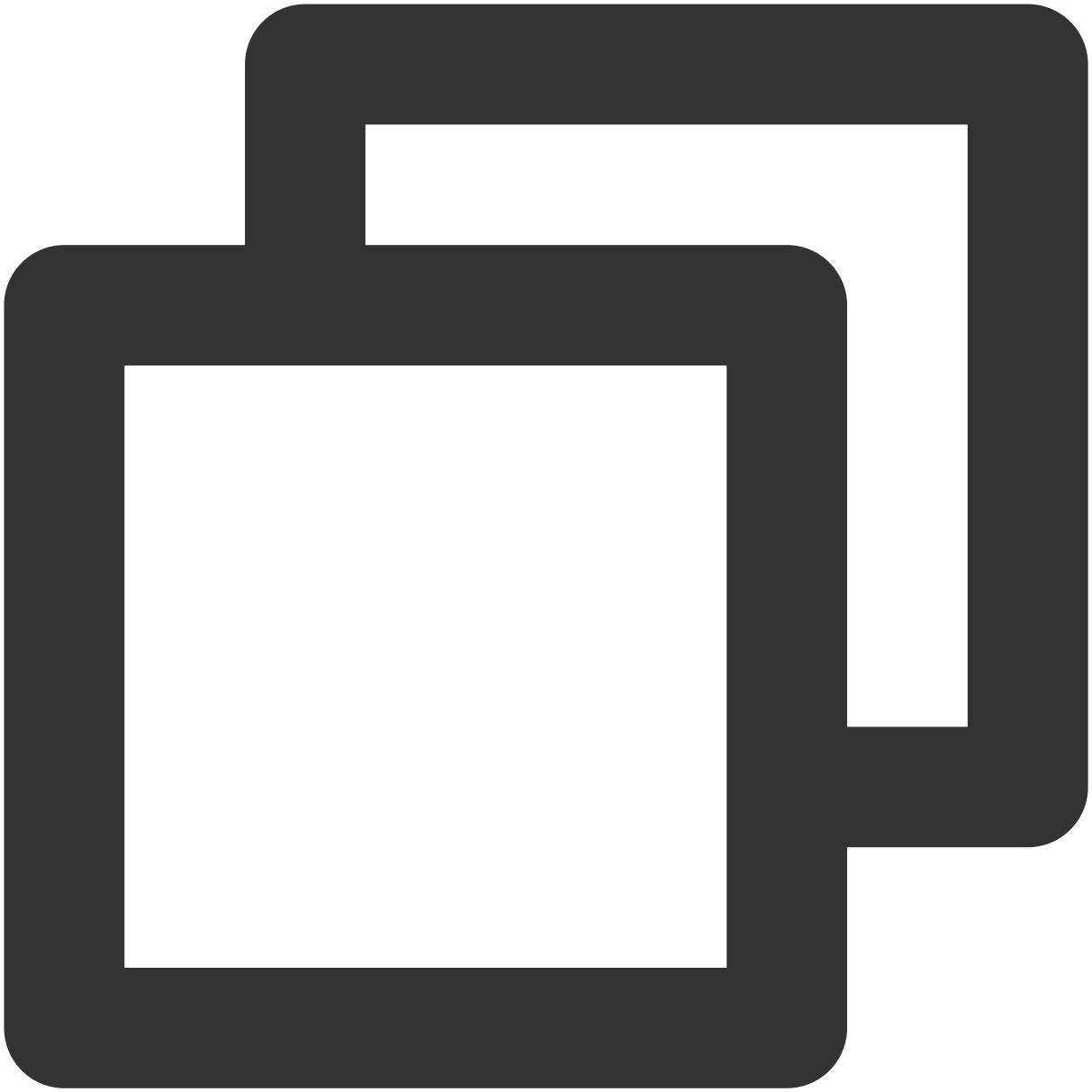
CI uses the **imageInfo** API to query an image's basic information such as its format, width, and height.

Use Limits

The input image cannot be larger than 32 MB.
The width and height of the input image cannot exceed 30,000 pixels and the total number of pixels cannot exceed 250 million. The width and height of the output image cannot exceed 9,999 pixels.
For an input animated image, the total number of pixels (Width x Height x Number of frames) cannot exceed 250 million pixels.

API Format

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```
download_url?imageInfo
```

Parameters

Request parameters

Operation: imageInfo

Parameter	Description

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download_url	URL of the input image, formatted as `<BucketName-APPID>.cos.<Region>.myqcloud.com/<picture name>` Example: `examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/picture.jpeg`

Response parameters

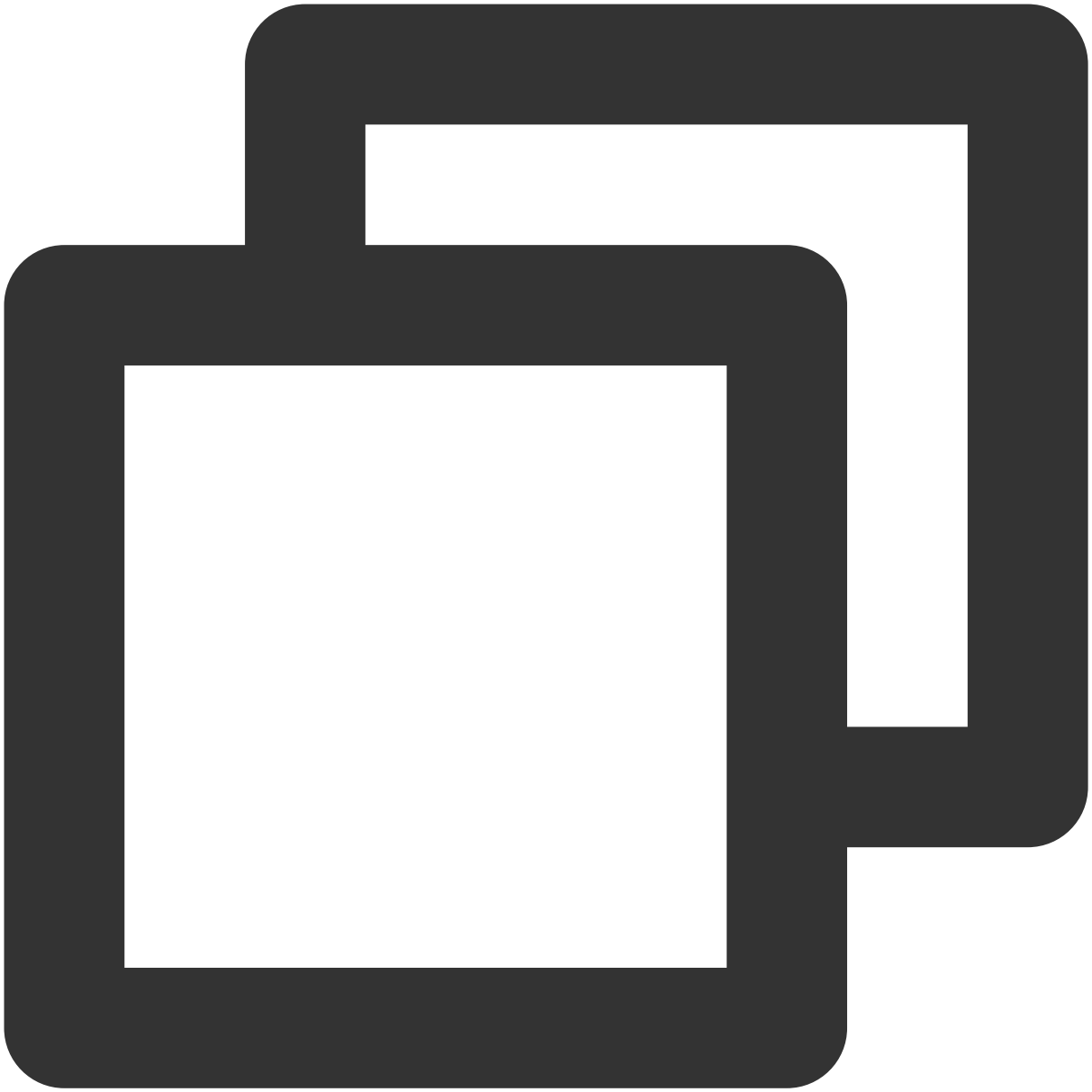
Parameter	Description
format	Image format such as `png` or `gif`
width	Width of the image, in pixels
height	Height of the image, in pixels
size	Image size, in bytes
md5	MD5 checksum of the image
frame_count	Number of frames. For static images, this value is `1` .

Examples

Example 1: public-read

Request

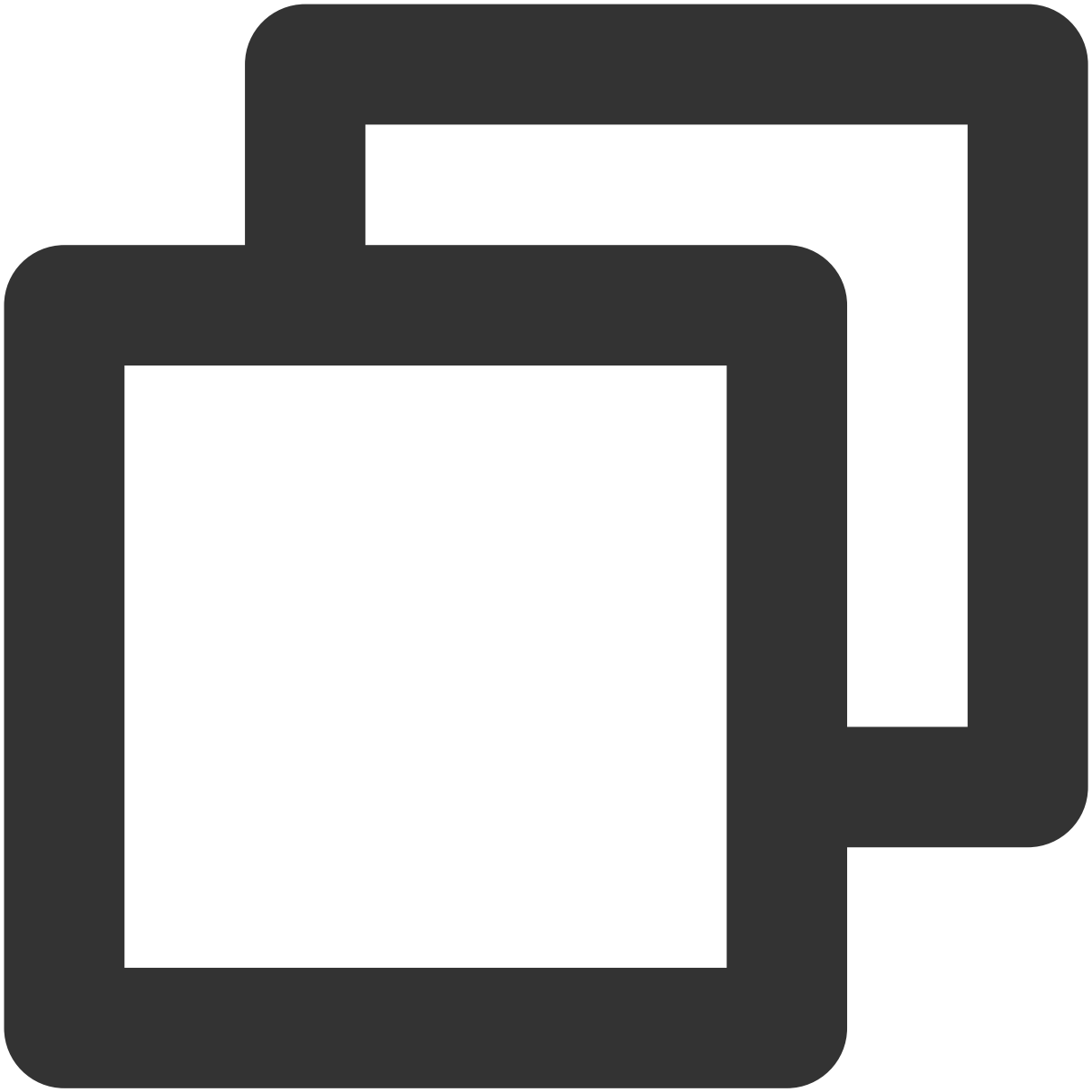
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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageInfo
```

Response

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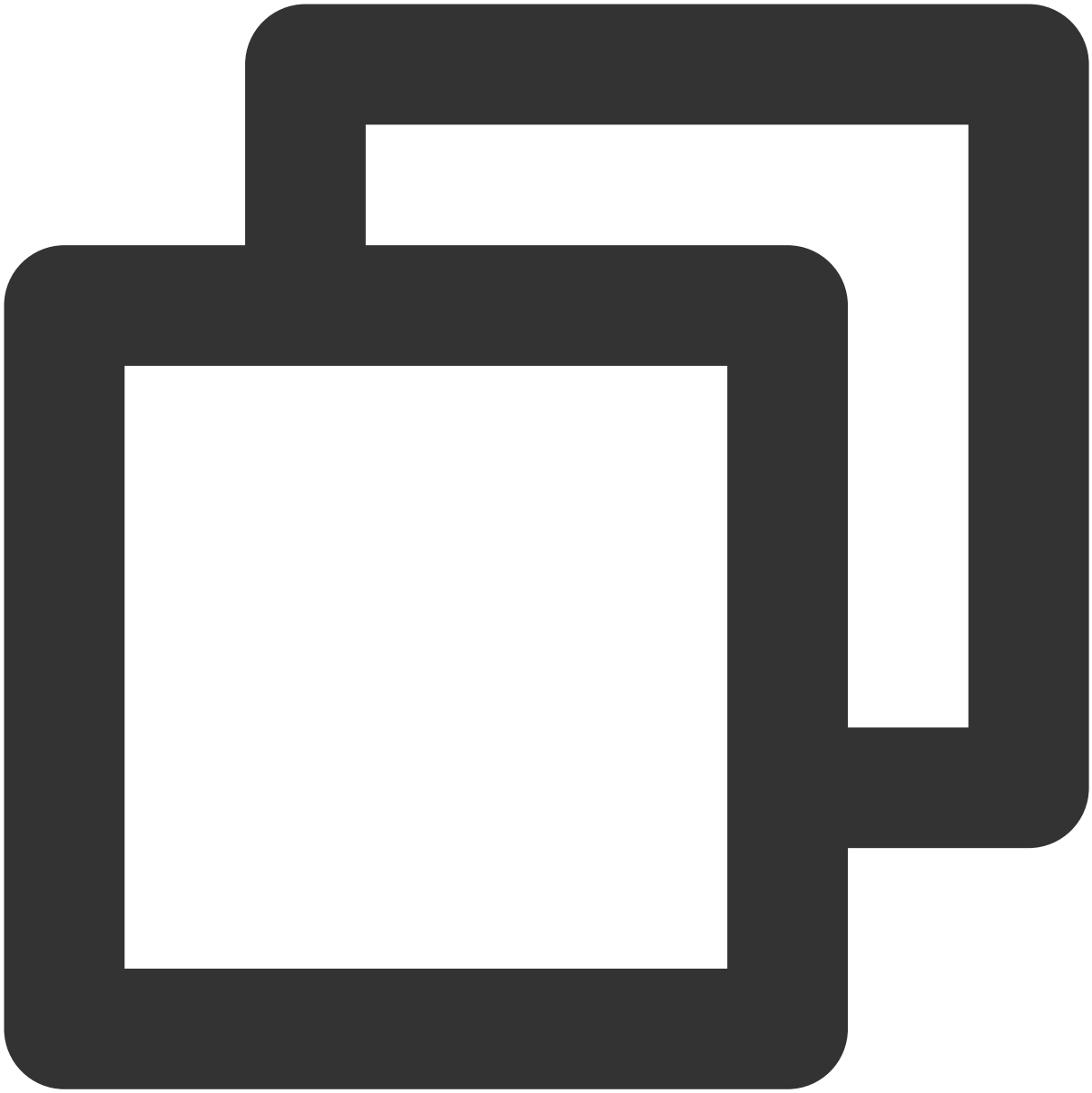


{"format": "jpeg", "width": "960", "height": "540", "size": "158421", "md5": "77a16

Example 2: private-read with a signature carried

This example obtains the average hue in the same way as in the example above except that a signature is carried. The signature is joined with other parameters using an ampersand (&):

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

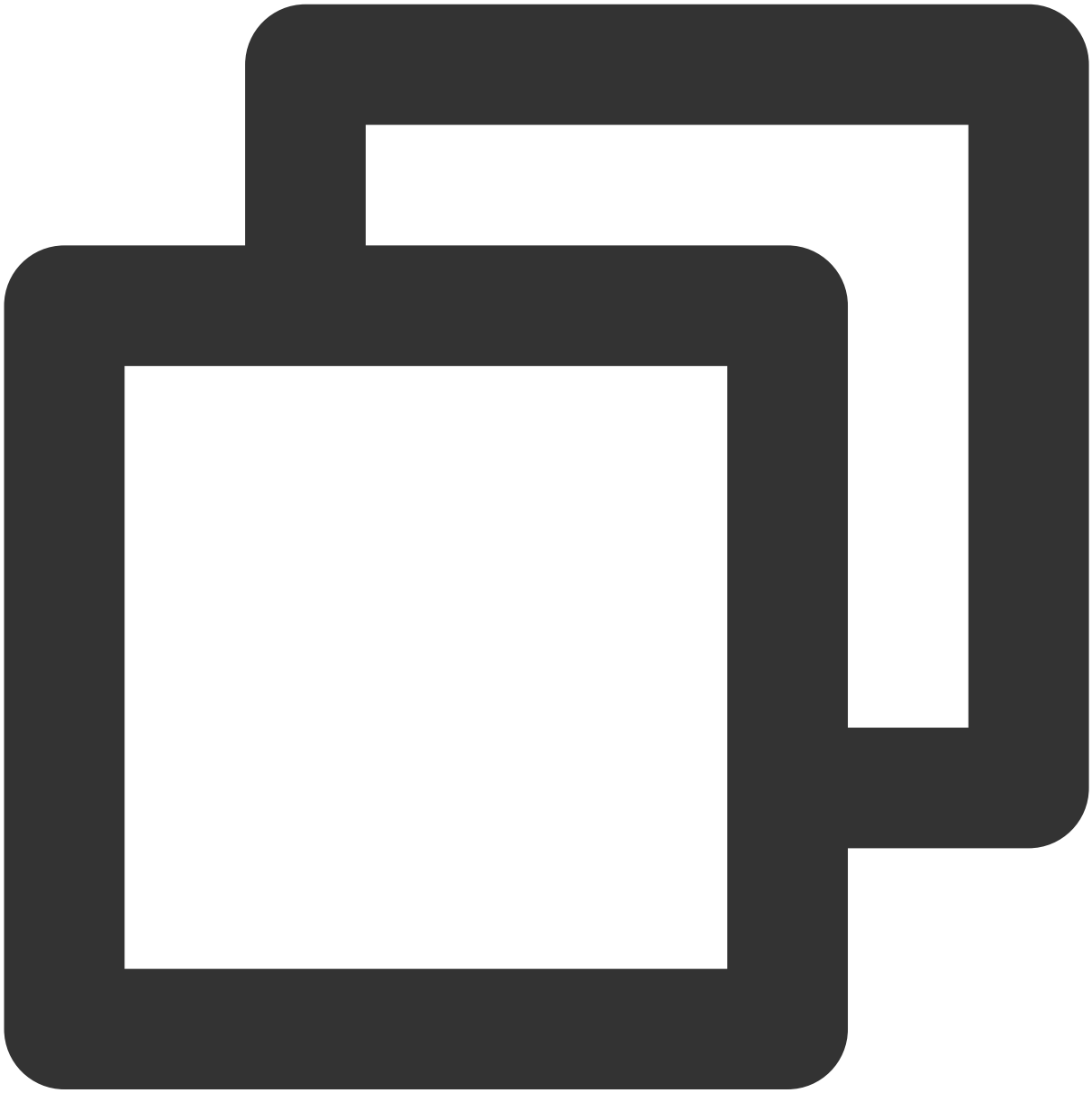
Note:

You can obtain the value of `<signature>` by referring to Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, please see Request Signature.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Obtaining Image EXIF

Last updated：2024-02-18 10:36:35

Feature Overview

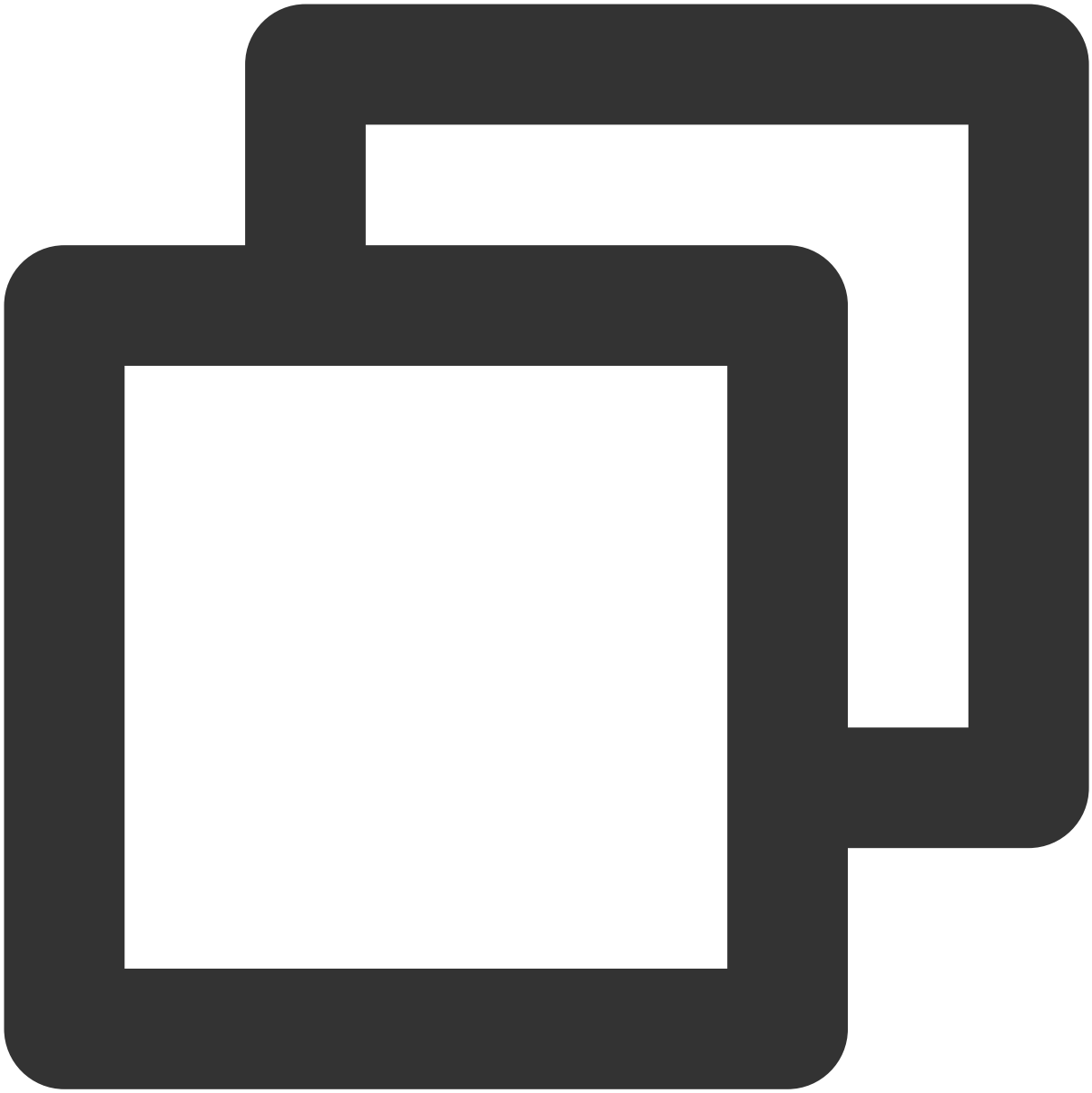
Exchangeable Image File (EXIF) records the camera settings, thumbnails, and other attributes of digital images. CI uses the **exif** API to obtain EXIF data. An input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels and the total number of pixels not exceeding 250 million. The width and height of an output image cannot exceed 9,999 pixels. For an input animated image, the total number of pixels (Width x Height x Number of frames) cannot exceed 250 million.

Note:

If an image does not have EXIF data, `{"error" : "no exif data"}` will be returned.

API Format

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```
GET /<ObjectKey>?exif HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Parameters

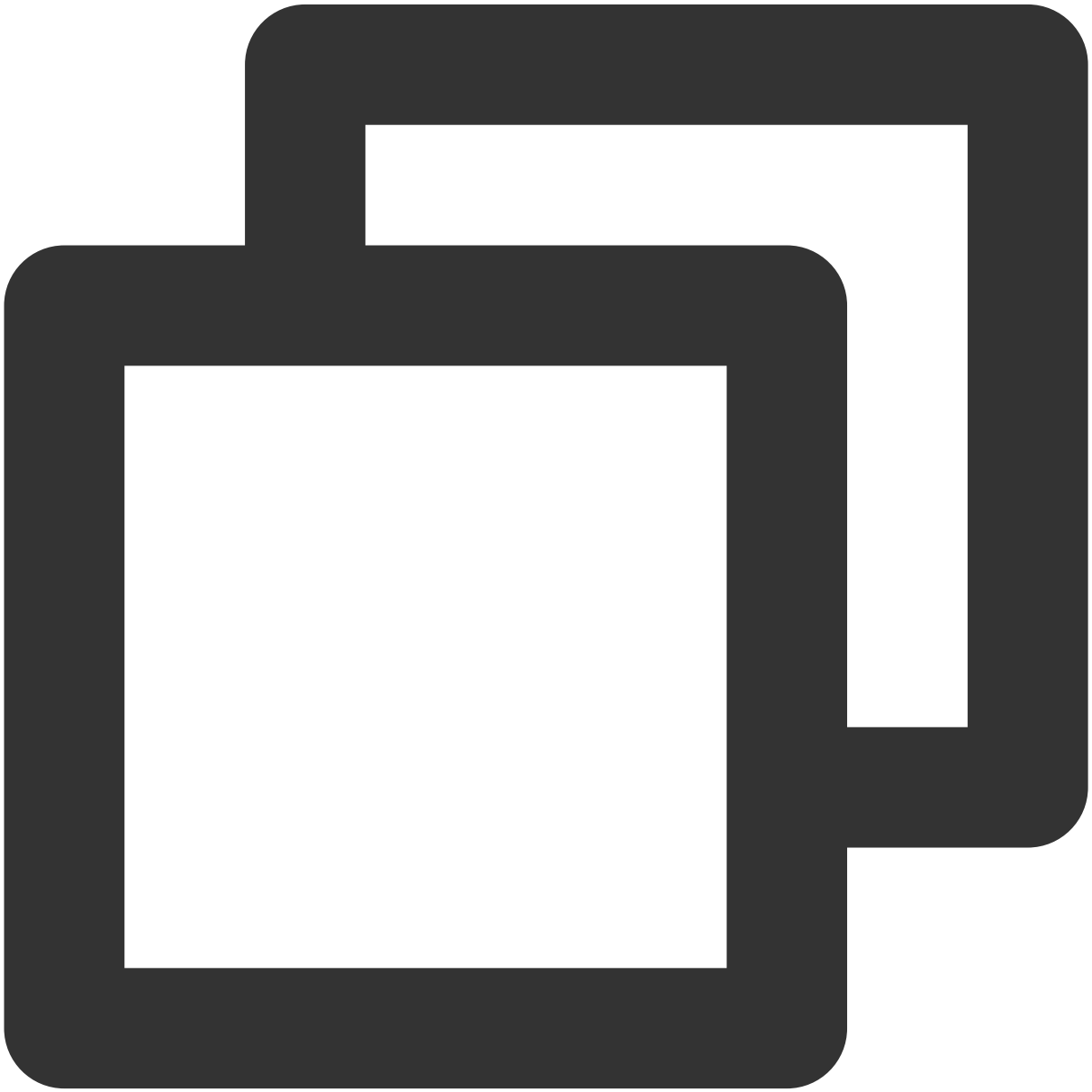
Operation: exif

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Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .

Examples

Example 1: Public-read

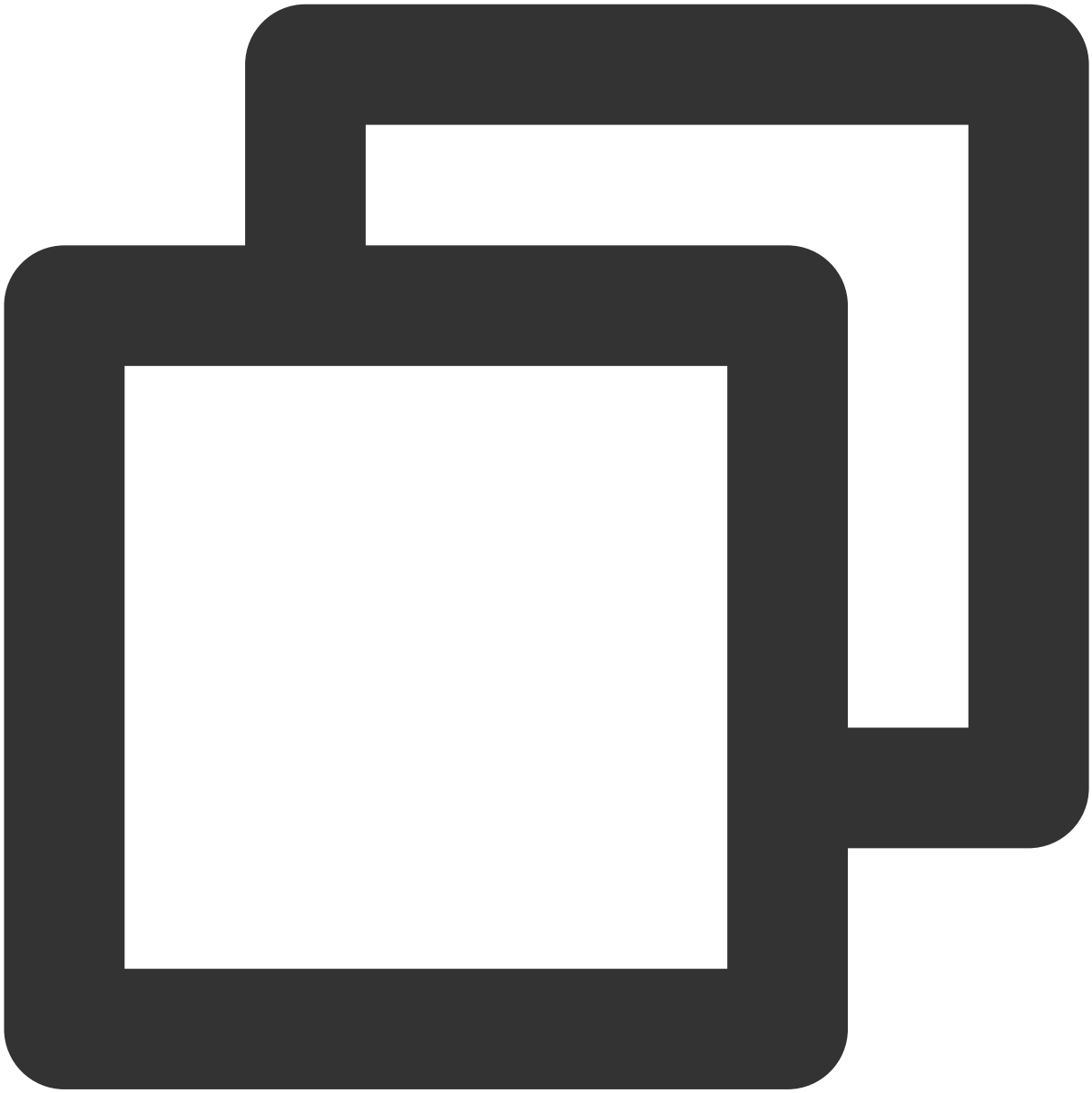


```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?exif
```

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Example 2: Private-read with a signature carried

This example obtains the average hue in the same way as in the example above except that a signature is carried. The signature is joined with other parameters using an ampersand (&):



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

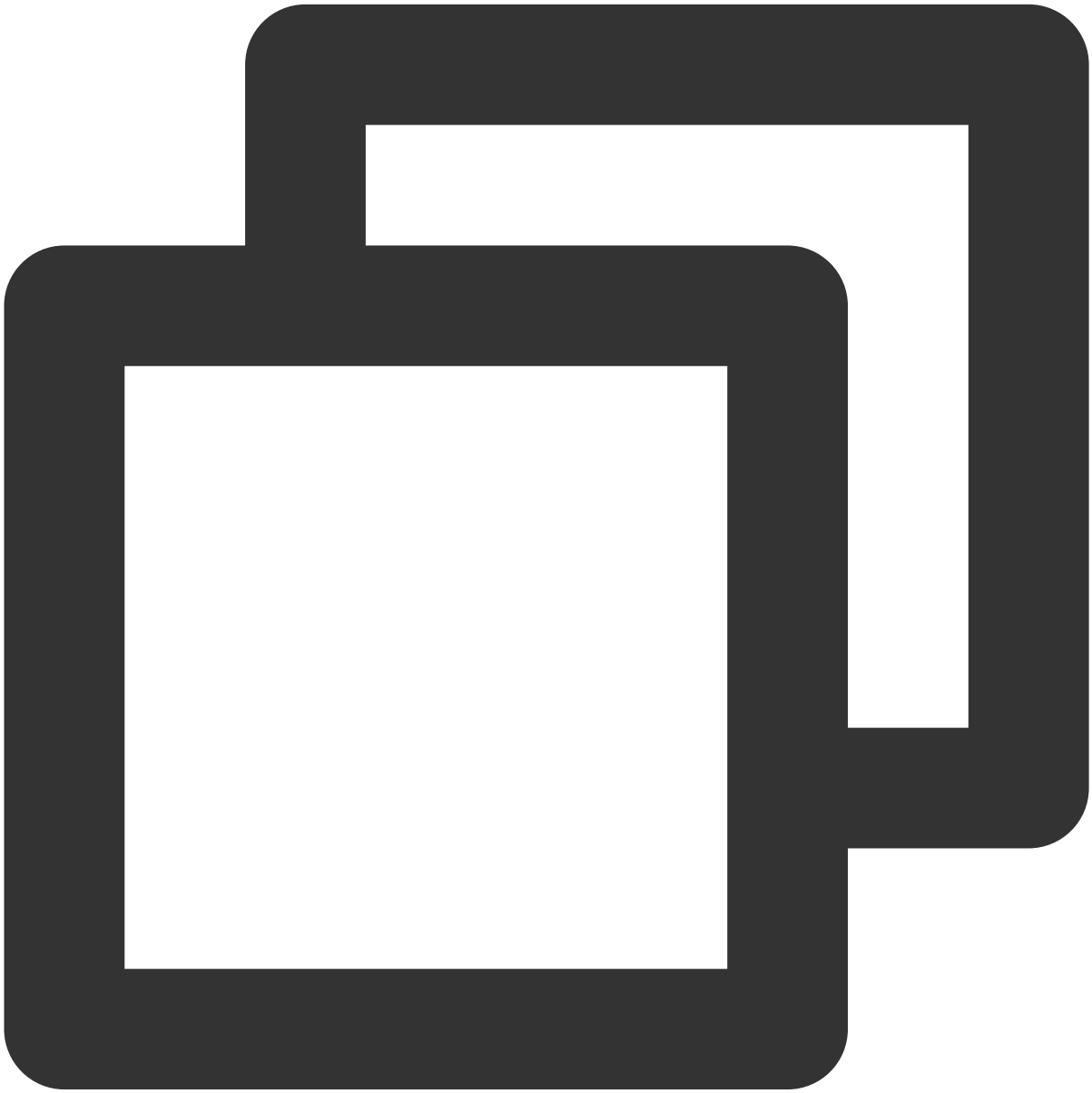
Note:

You can obtain the value of `<signature>` by referring to Request Signature.

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Notes

To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Obtaining Image’s Average Hue

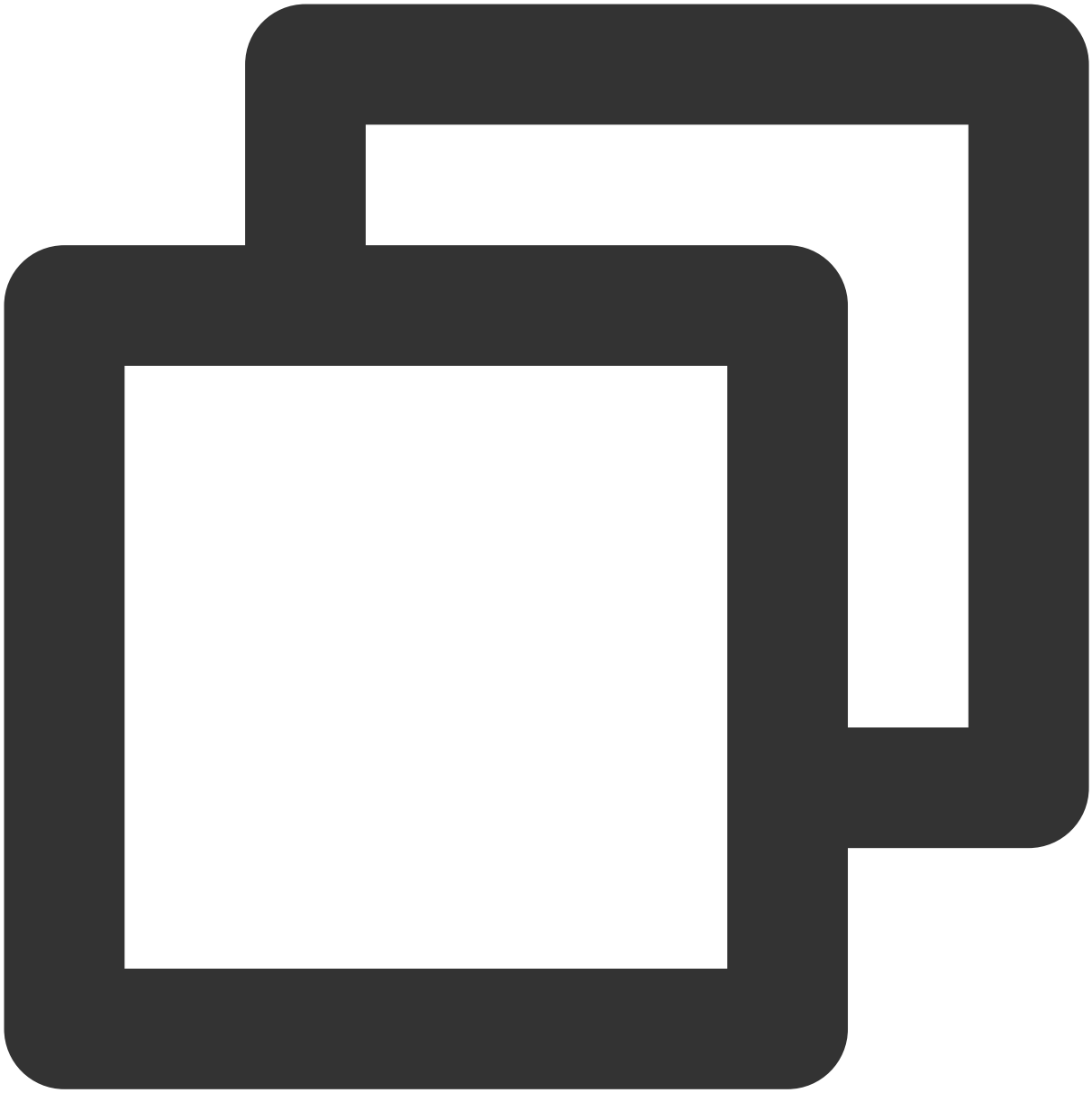
Last updated：2024-02-18 10:36:35

Feature Overview

CI uses the **imageAve** API to obtain the average hue of an image. The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels. For an input animated image, the total number of pixels (Width x Height x Number of frames) cannot exceed 250 million pixels.

API Format

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```
GET /<ObjectKey>?imageAve HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Parameter description

Operation: imageAve

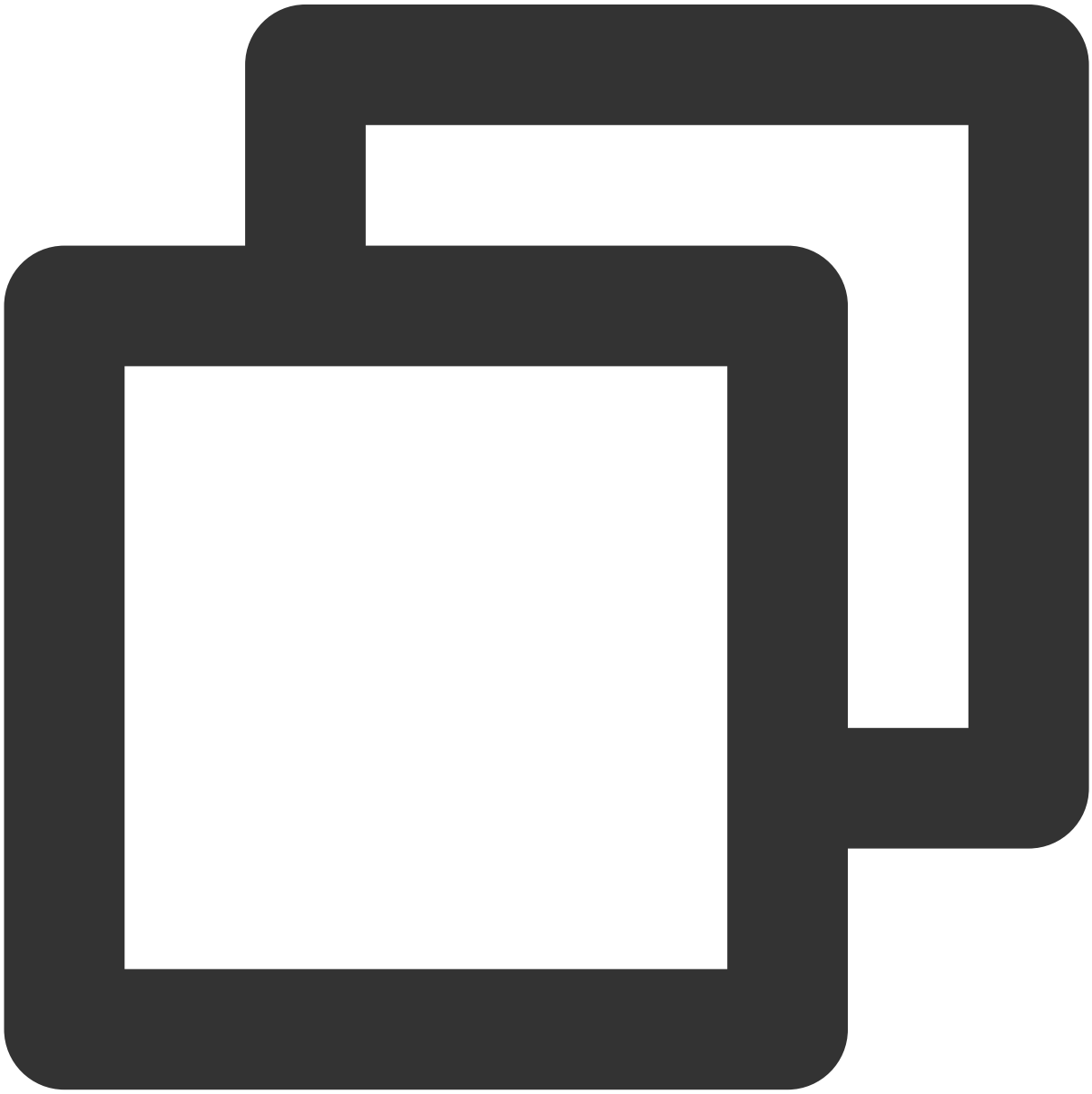
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Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .

Examples

Example 1: Public-read

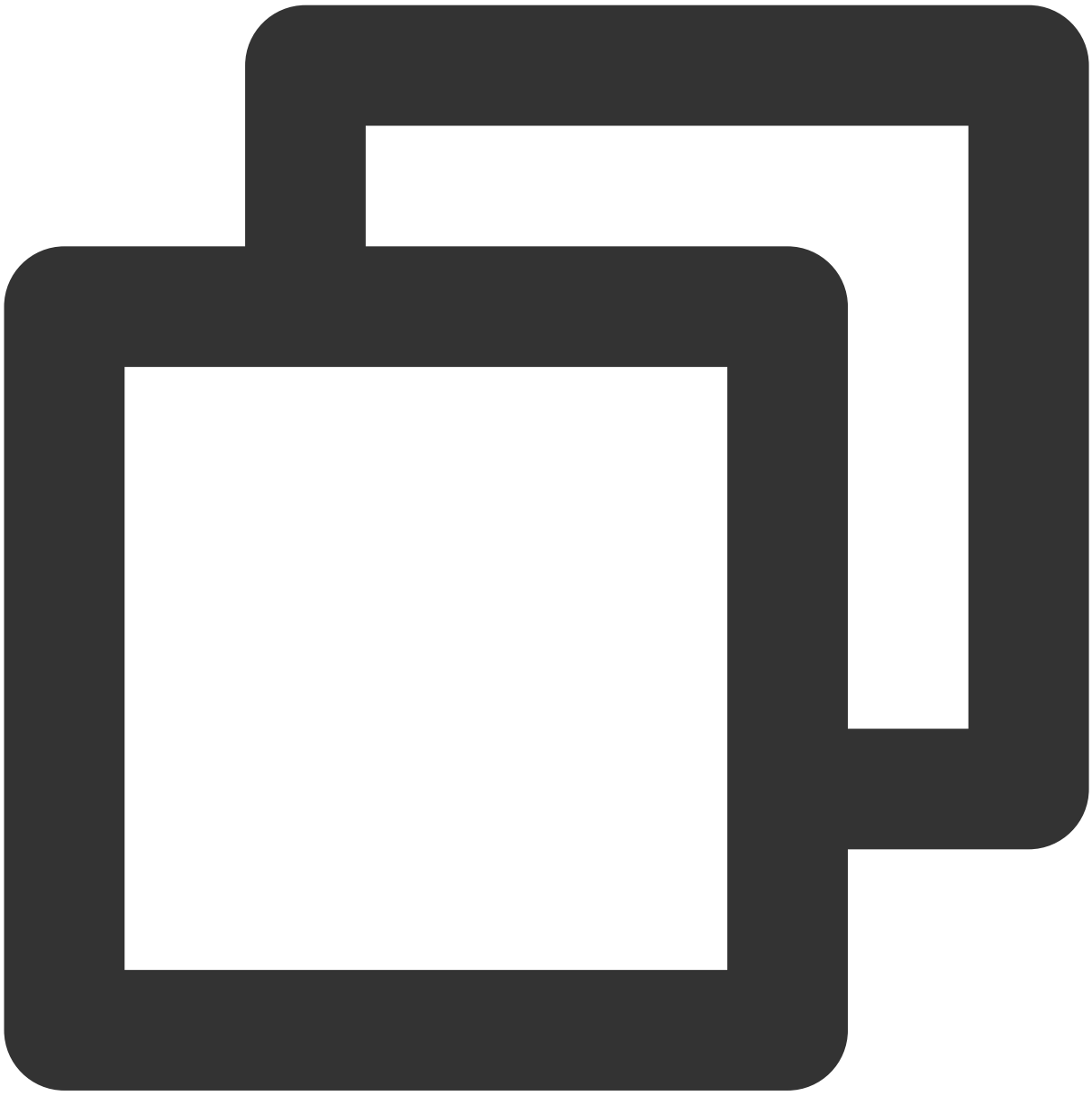
Request



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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageAve
```

Response

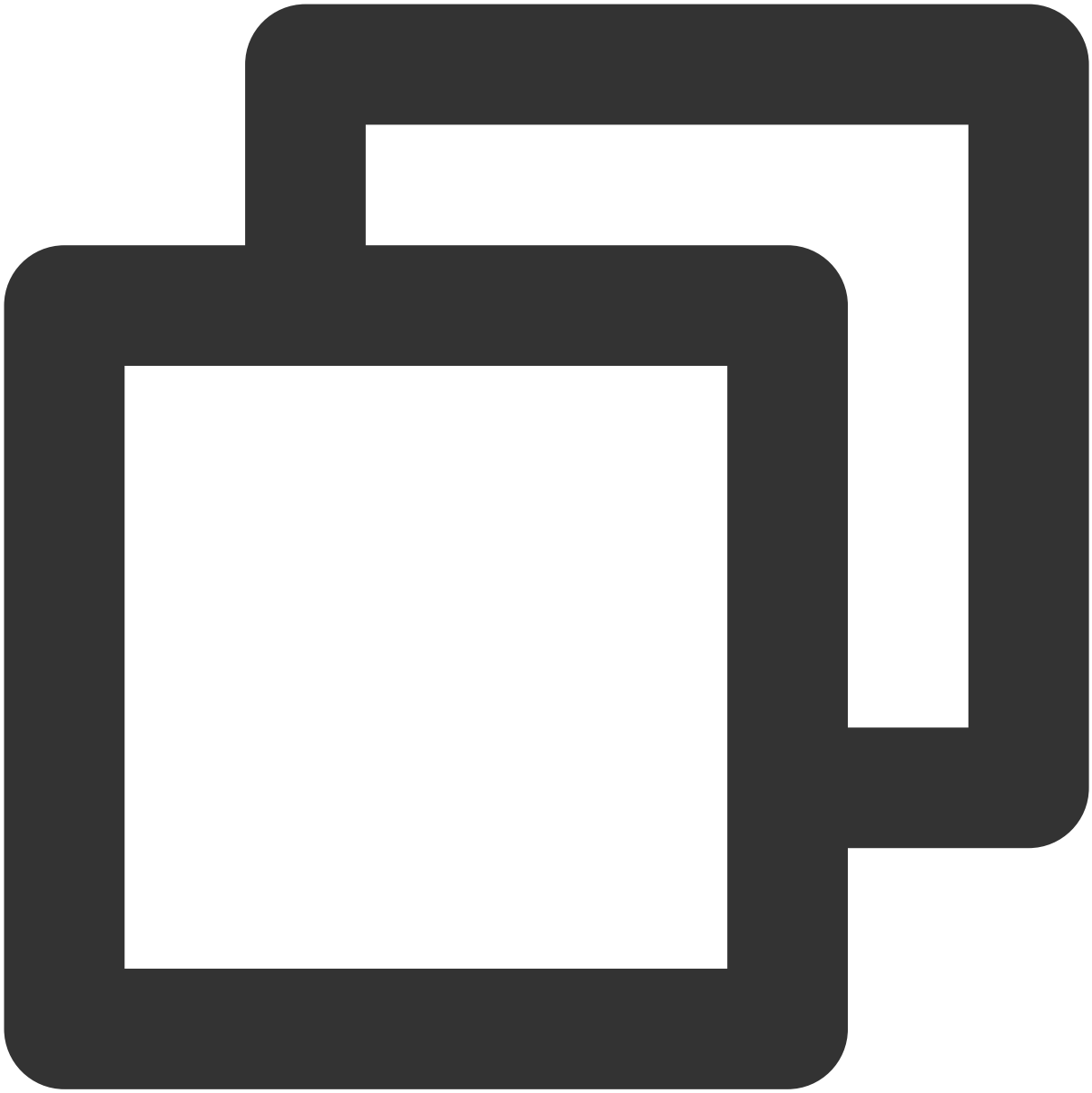


```
{"RGB": "0x736246"}
```

Example 2: Private-read with a signature carried

This example obtains the average hue in the same way as in the example above except that a signature is carried. The signature is joined with other parameters using an ampersand (&):

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

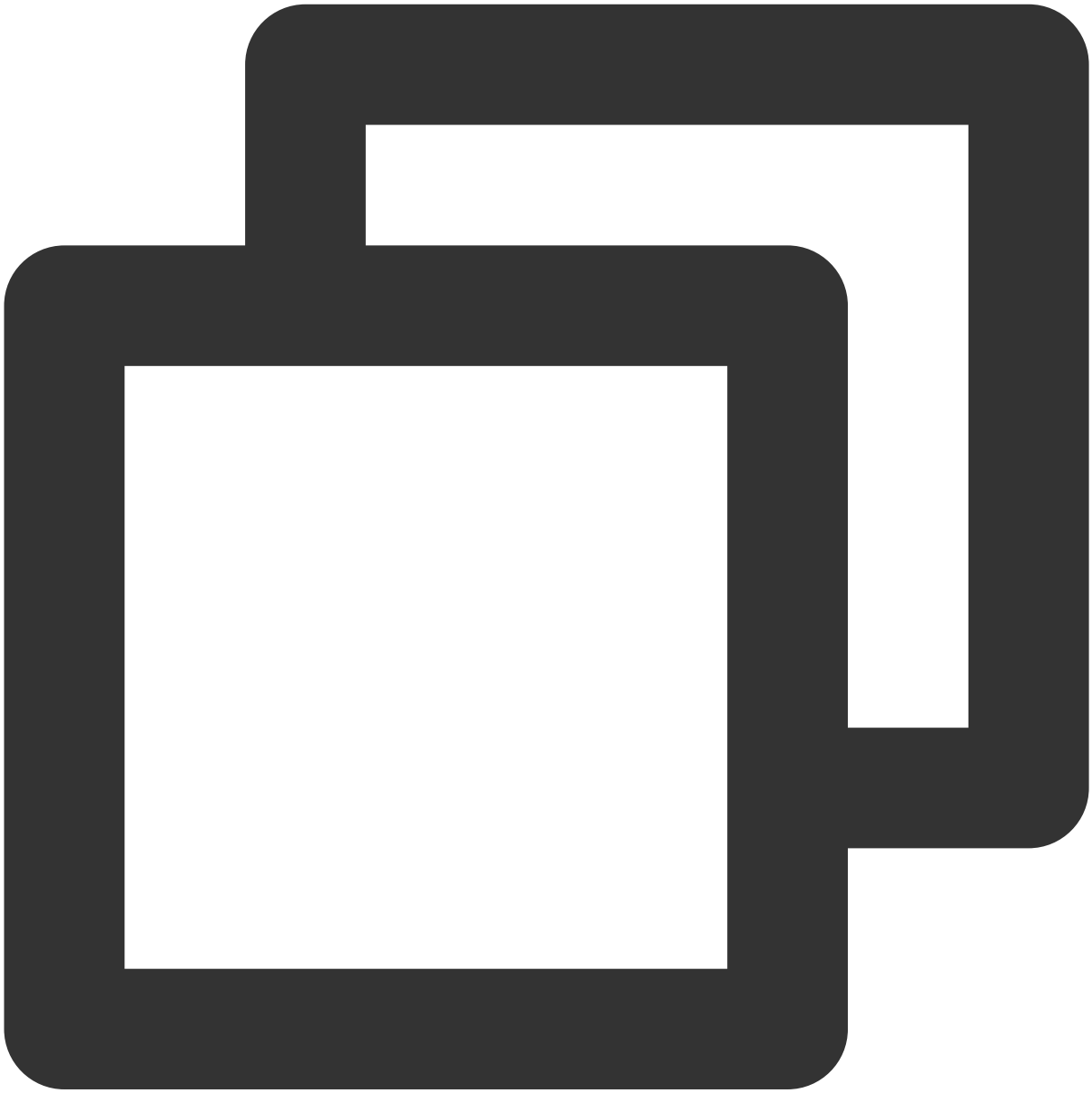
Note:

You can obtain the value of `<signature>` by referring to Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Removing Image Metadata

Last updated：2024-02-18 10:36:35

Feature Overview

CI uses the **imageMogr2** API to remove image metadata, including EXIF data.
An image can be processed:
During download
During upload
In the cloud

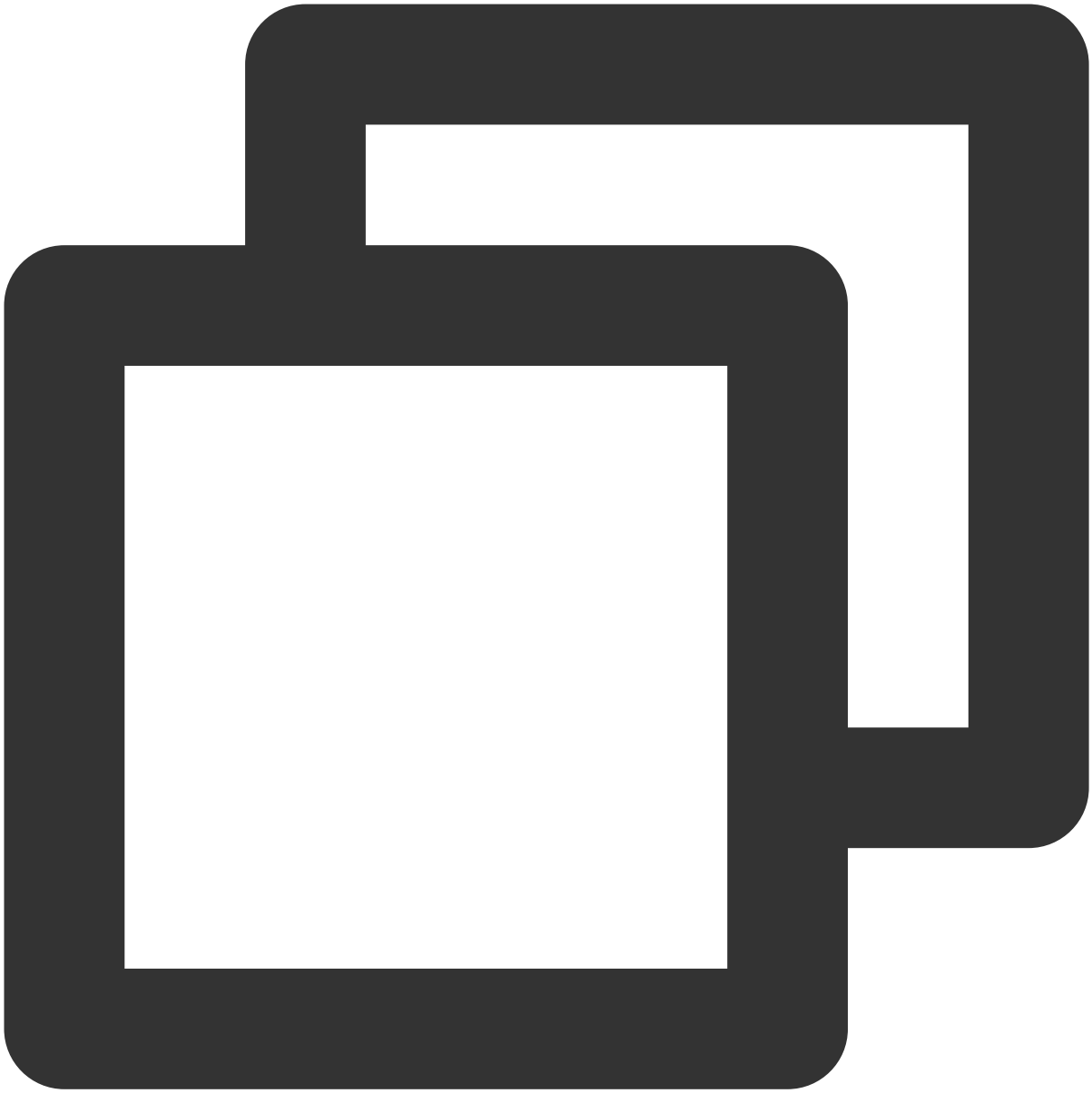
Restrictions

Format: Currently, JPG, BMP, GIF, PNG, and WebP images can be processed, and HEIF images can be decoded and processed.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

API Sample

1. Processing during download

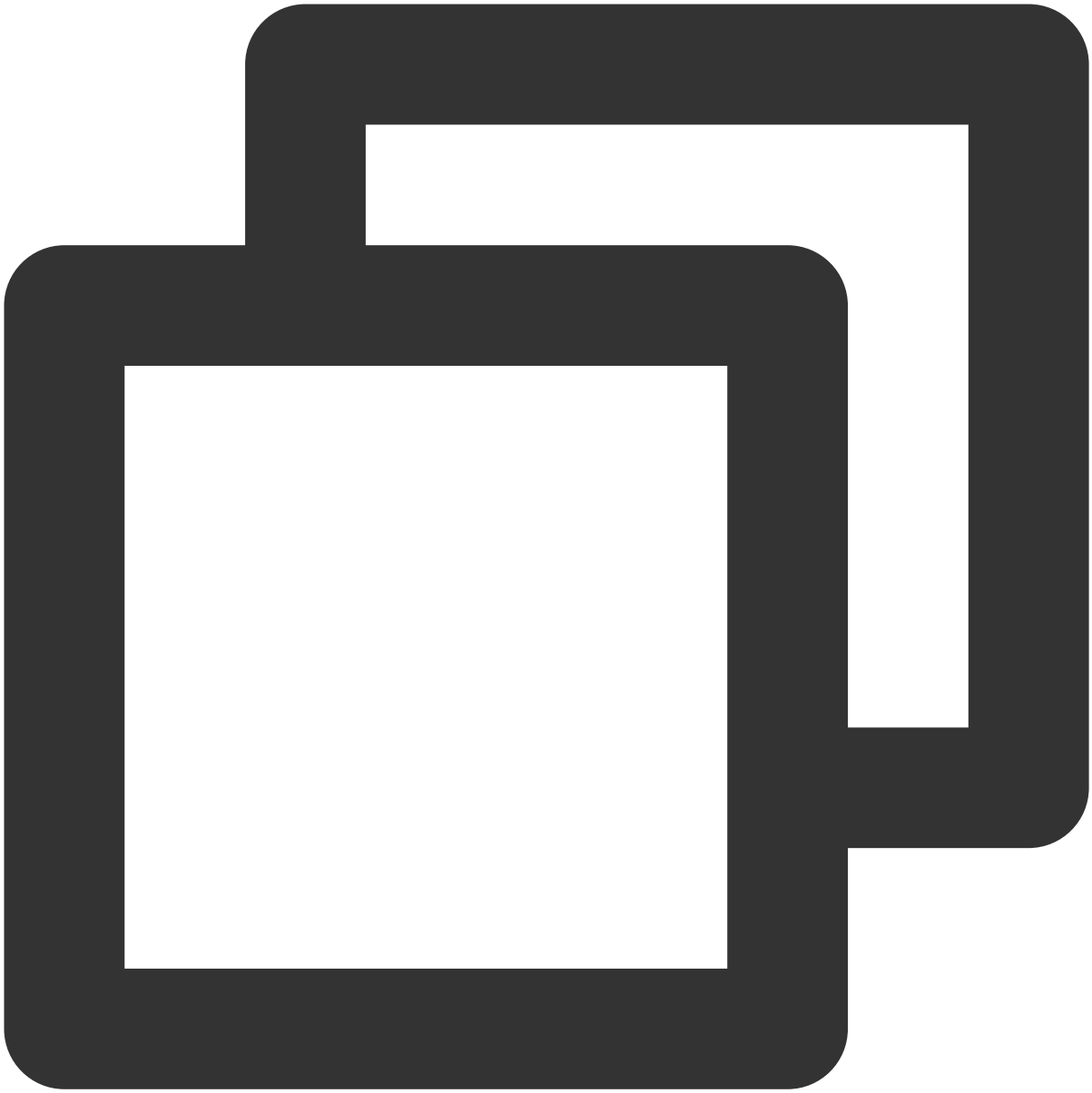
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```
GET /<ObjectKey>?imageMogr2/strip HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/strip"
  }]
```

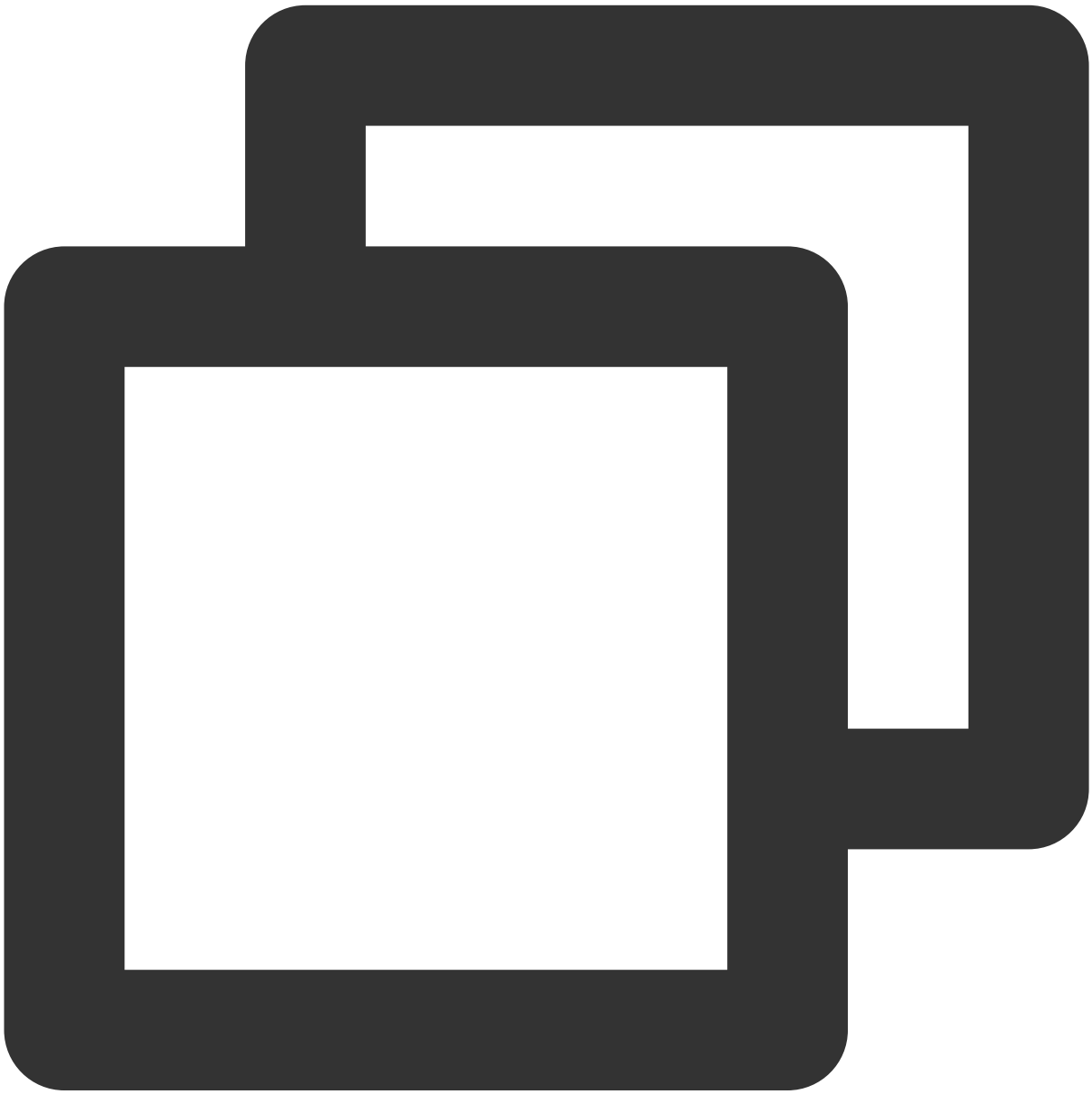
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/strip"
  }]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Operation name: strip.

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

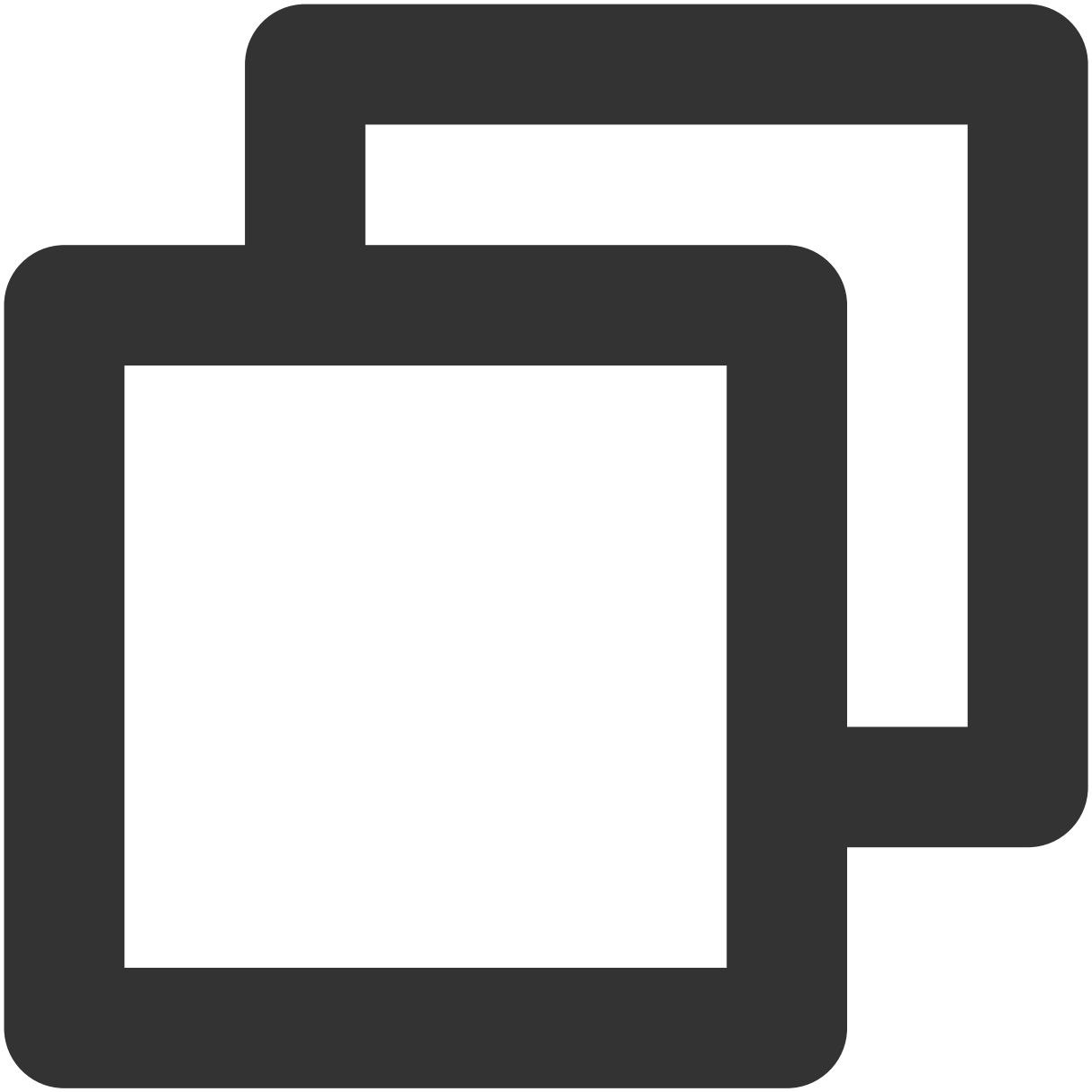
Samples

Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use the **processing during upload** or **processing in-cloud data** feature.

Sample 1: Public-read

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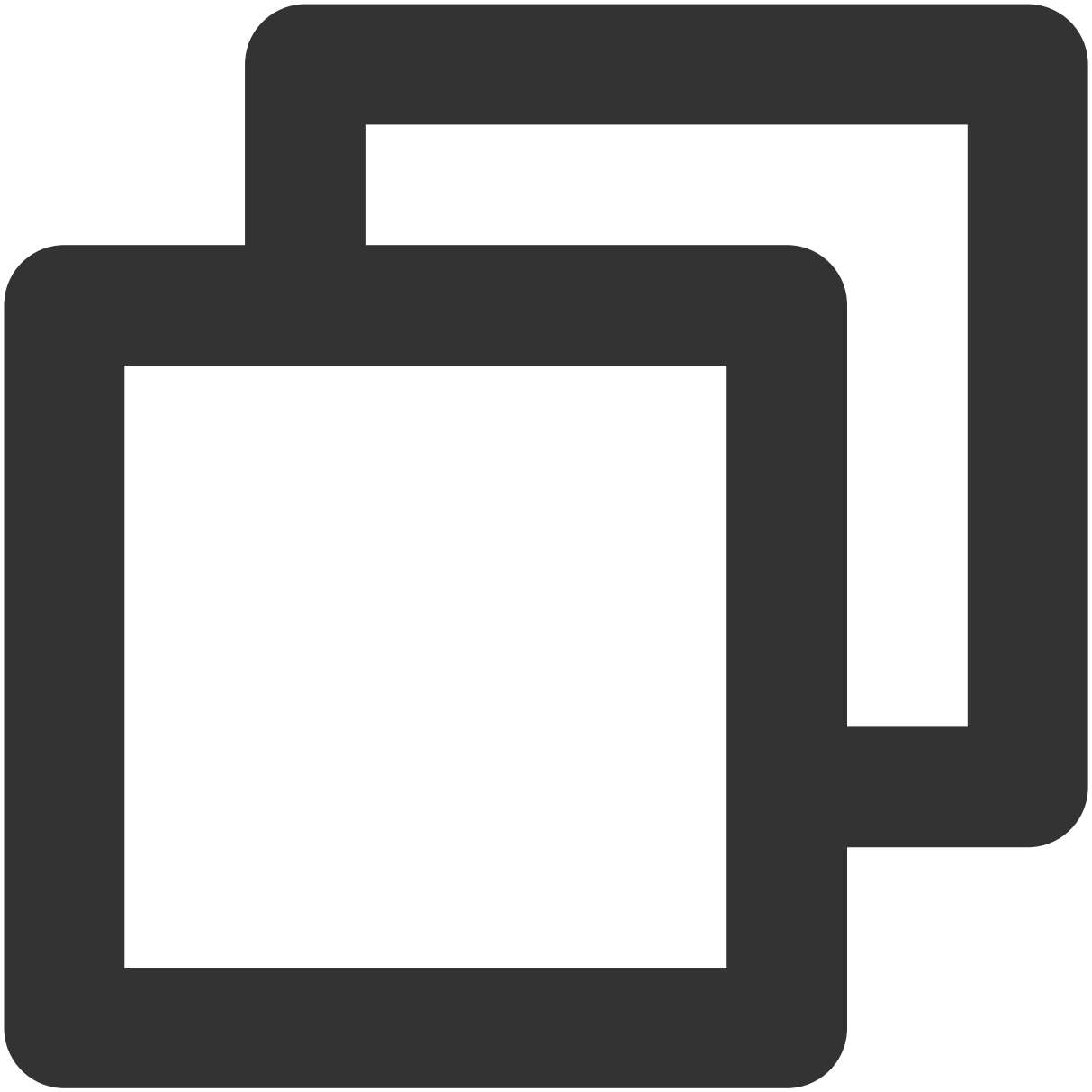


```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/stri
```

Sample 2: Private-read with a signature carried

This example processes the image in the same way as in the example above, except that a signature is carried. The signature is concatenated with other processing parameters by an ampersand (&).

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

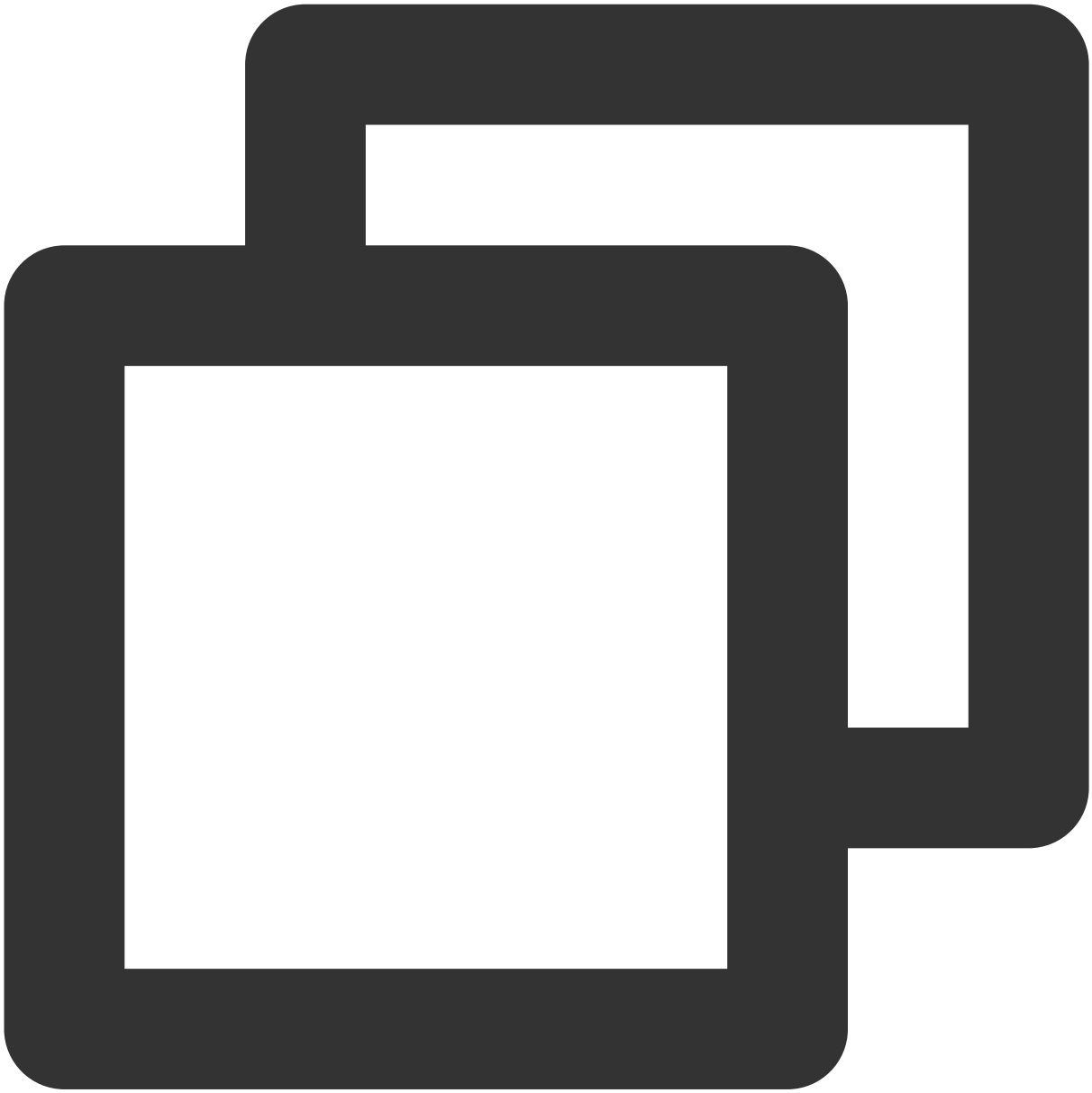
Note:

You can get the value of `<signature>` as instructed in Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple sample for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Quick Thumbnail Template

Last updated：2024-02-18 10:36:35

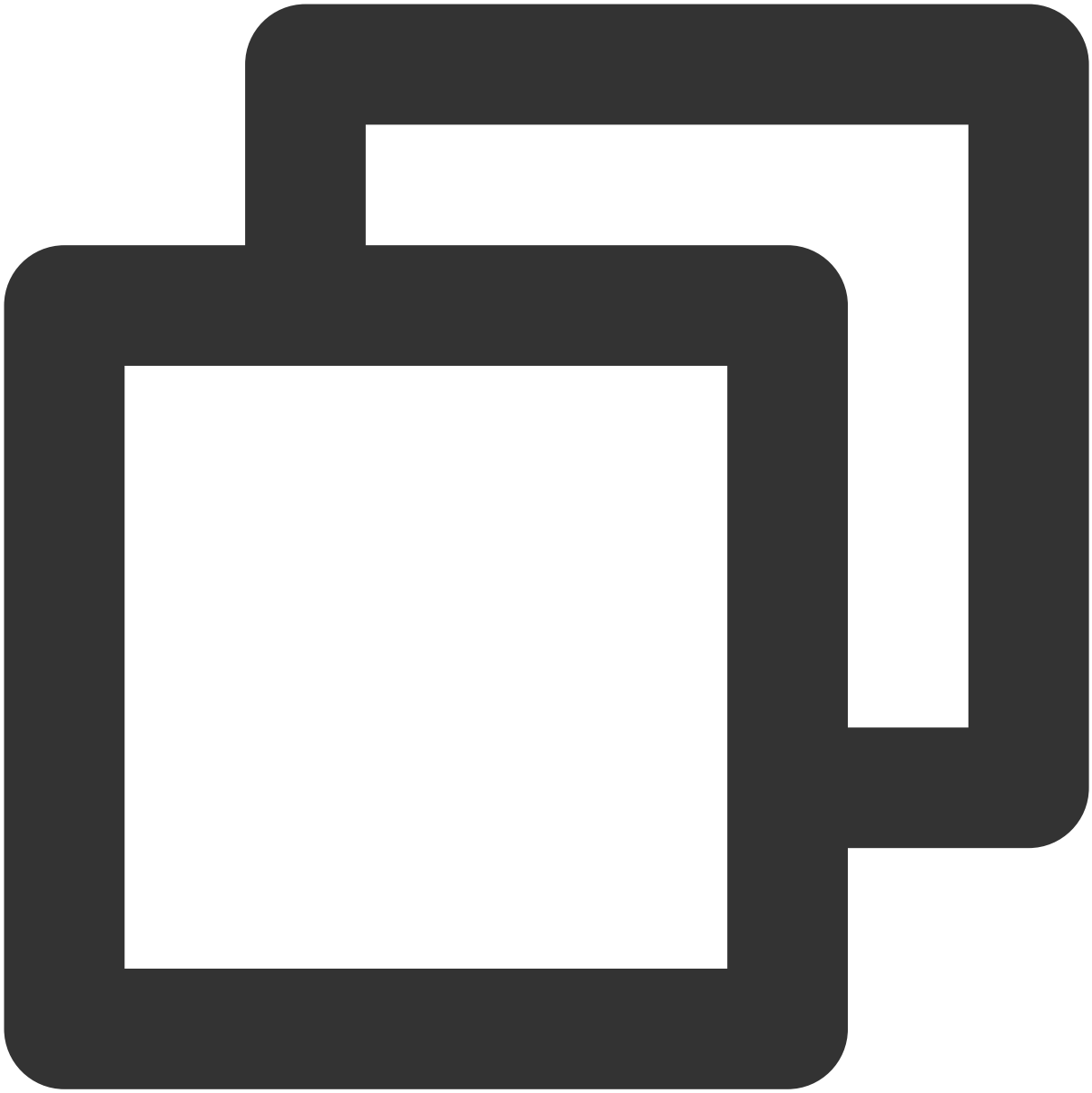
Feature Overview

CI uses the **imageView2** API to provide a common image processing template. You can append parameters to the download URL to generate the desired thumbnail. The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels. For an input animated image, the total number of pixels (width x height x number of frames) cannot exceed 250 million (GIF frame limit: 300).
An image can be processed:
Upon download
Upon upload
In cloud

API Format

1. Processing upon download

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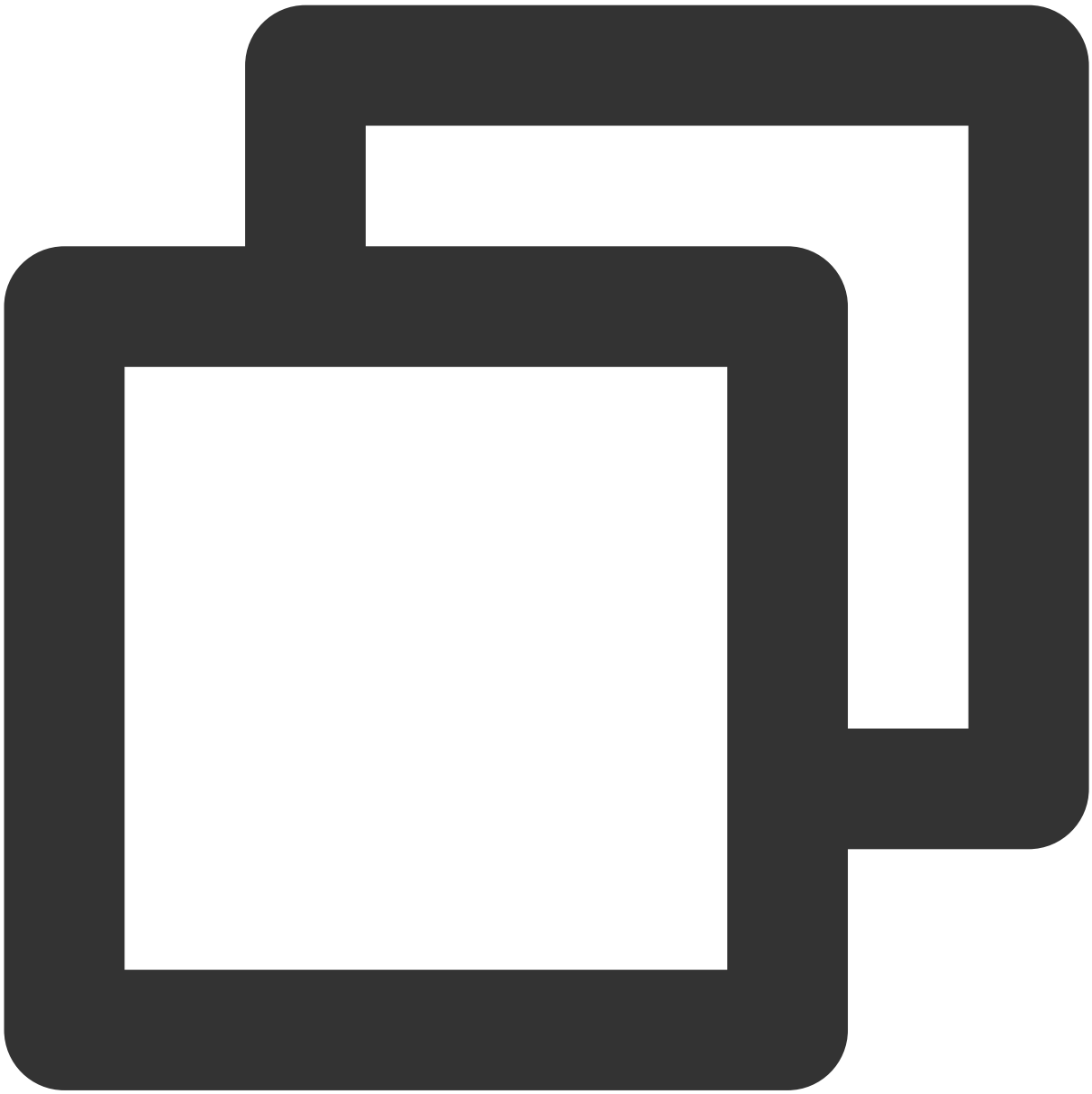
```
GET /<ObjectKey>?imageView2/<mode>/w/<Width>
                                  /h/<Height>
                                  /format/<Format>
                                  /q/<Quality>
                                  /rq/<Quality>
                                  /lq/<Quality> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

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Quality parameters apply only to images in **JPG** and **WebP** formats.

2. Processing upon upload



```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
```

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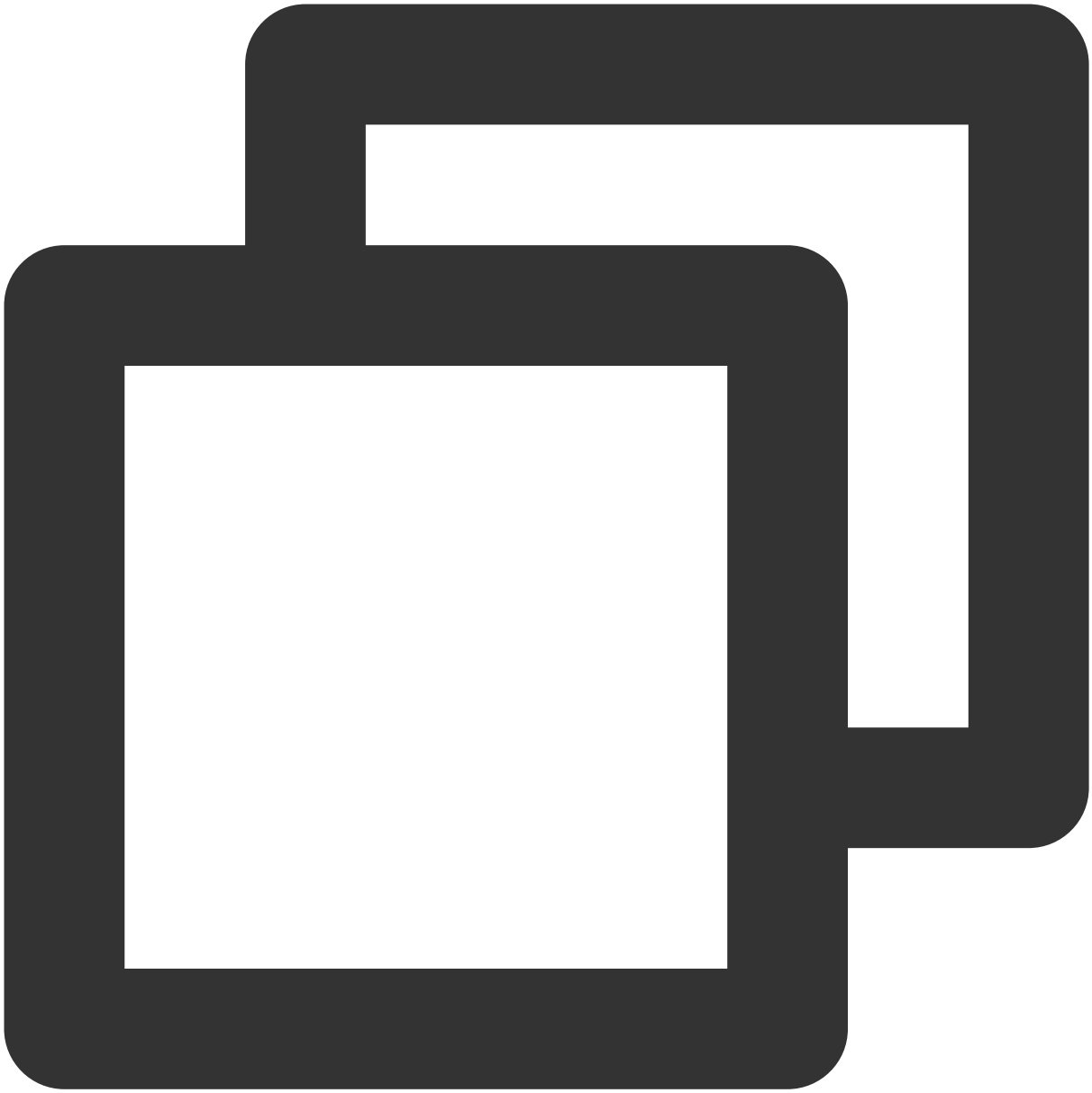
```
    "rules": [{
        "fileid": "exampleobject",
        "rule": "imageView2/<mode>/w/<Width>
                  /h/<Height>
                  /format/<Format>
                  /q/<Quality>
                  /rq/<Quality>
                  /lq/<Quality>"
    }]
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data

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```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageView2/<mode>/w/<Width>
```

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```
                    /h/<Height>
                    /format/<Format>
                    /q/<Quality>
                    /rq/<Quality>
                    /lq/<Quality>"
    }]
}
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Parameters

Parameter	Description
ObjectKey	Object name, such as folder/sample.jpg.
/1/w/<Width>/h/<Height>	Specifies the minimum width and height of the thumbnail. In this mode, the image will be first scaled down until one of the minimum values set is reached. Then, the image will be centered and evenly cropped on both sides to meet the specified values. If only one value is set, a square thumbnail will be generated. For example, if the input image size is 1000x500 and this parameter is set to ?imageView2/1/w/500/h/400, the image will be scaled down to 800x400 first. Then, 150 pixels will be cropped from the left and right sides respectively, outputting a 500x400 thumbnail.
/2/w/<Width>/h/<Height>	Specifies the maximum width and height of the thumbnail. In this mode, the image is scaled down until both the width and length are not greater than the maximum values set. For example, if the input image size is 1000x500 and this parameter is set to ?imageView2/2/w/500/h/400, the image is scaled down to 500x250. If only one value is set, the image will be adapted.
/3/w/<Width>/h/<Height>	Specifies the minimum width and height of the thumbnail. In this mode, the image will be scaled down until both the width and height are not smaller than the minimum values set. For example, if the input image size is 1000x500 and this parameter is set to ?imageView2/3/w/500/h/400, the image will be scaled down to 800x400. If only one value is set, a square thumbnail will be generated.
/4/w/<LongEdge>/h/<ShortEdge>	Mode 4: specifies the minimum values of the long edge and short edge of

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	the thumbnail to scale down the image. If only one value is set, a square thumbnail will be generated.
/5/w/<LongEdge>/h/<ShortEdge>	Mode 5: specifies the maximum values of the long edge and short edge of the thumbnail to scale down the image. The image will be then centered and cropped. If only one value is set, a square thumbnail will be generated. After the scaling, the excess will be cropped.
/format/<Format>	Format of the thumbnail, which can be JPG, BMP, GIF, PNG, or WebP. Default value: format of the input image
/q/<Quality>	Image quality. Value range: 0–100. Default value: quality of the input image. The smaller value between the input image quality and the specified quality will be used. If there is an exclamation mark (!) after <Quality>, the specified quality will be used.
/rq/<quality>	Relative quality of the image, relative to that of the input image. Value range: 0–100. For example, if the input image quality is 80 and rquality is set to 80, the quality of the output image is 64 (that is, 80 x 80%).
/lq/<quality>	The lowest quality of the output image. Value range: 0–100. If the input image quality is 85 and lquality is set to 80, the quality of the output image is 85. If the input image quality is 60 and lquality is set to 80, the quality of the output image will be improved to 80.

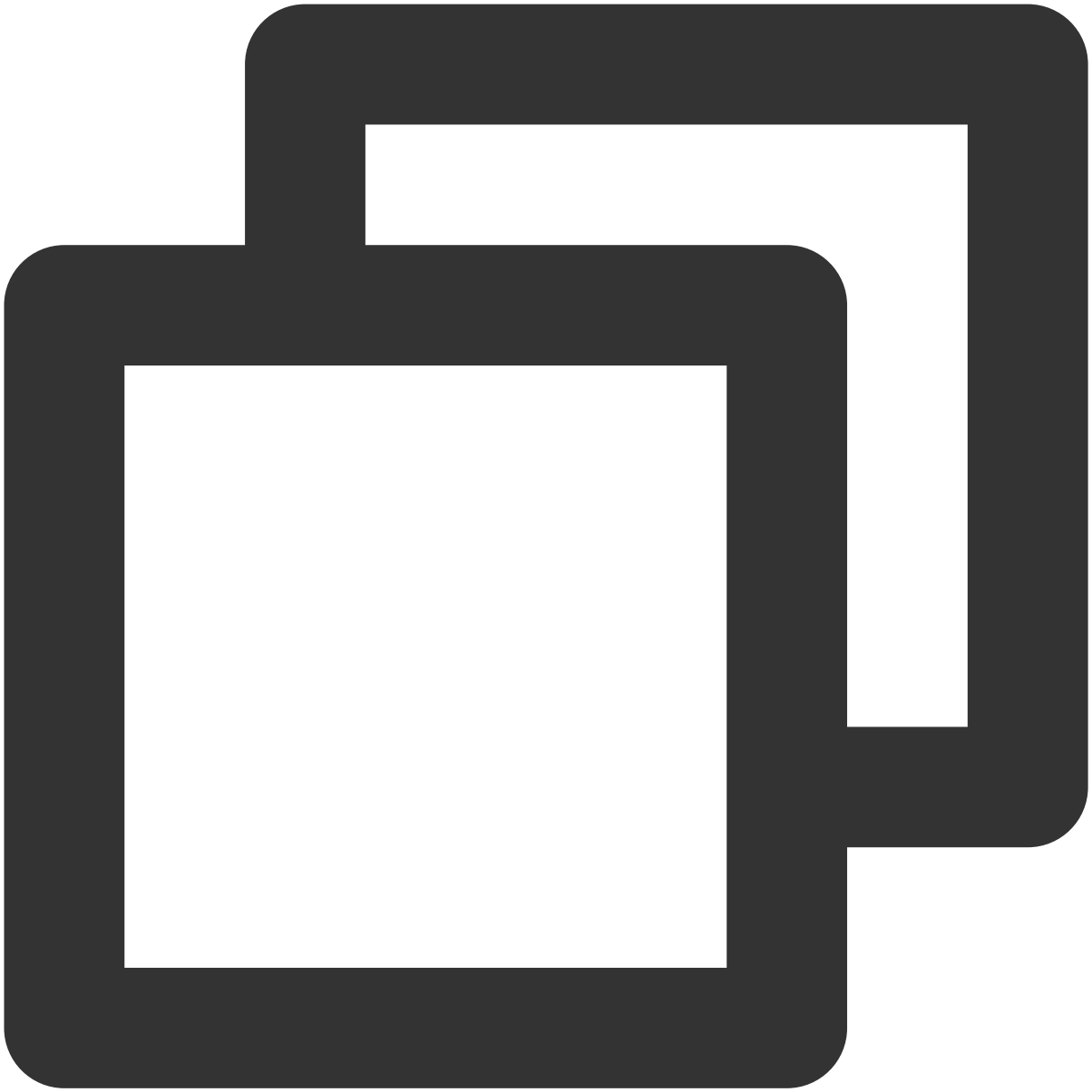
Examples

Note:
Processing upon download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, see Persistent Image Processing and use **Processing upon upload** or **Processing in-cloud data**.

Example 1: Using mode 1

The following example uses mode 1, and sets the minimum width and height of the thumbnail to 400x600, and the absolute quality to 85:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageView2/1/w/
```

Generated thumbnail:

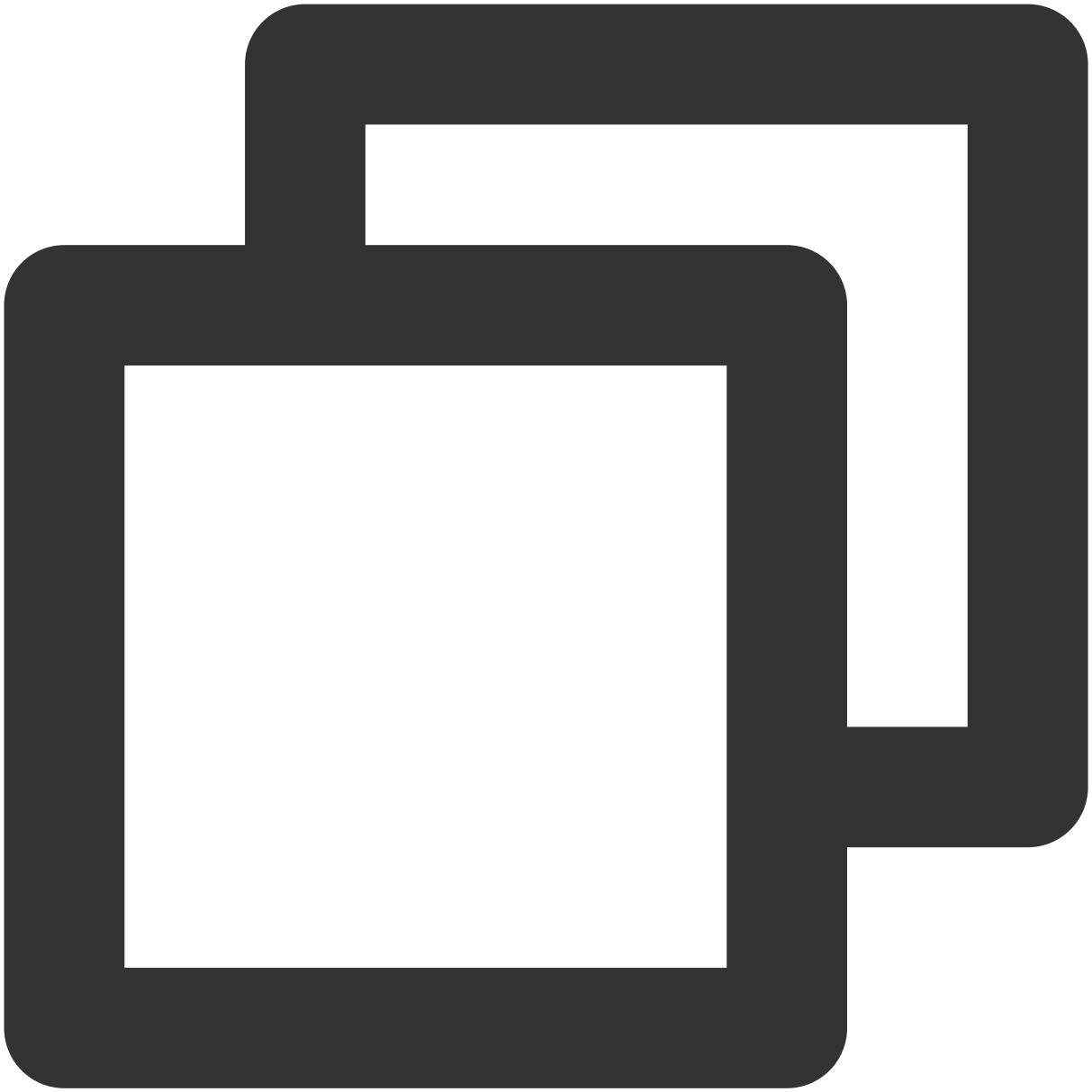
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Example 2: Using mode 1 with a signature carried

This example processes the image in the same way as in the example above except that a signature is carried. The signature is joined with other processing parameters using an ampersand (&):

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

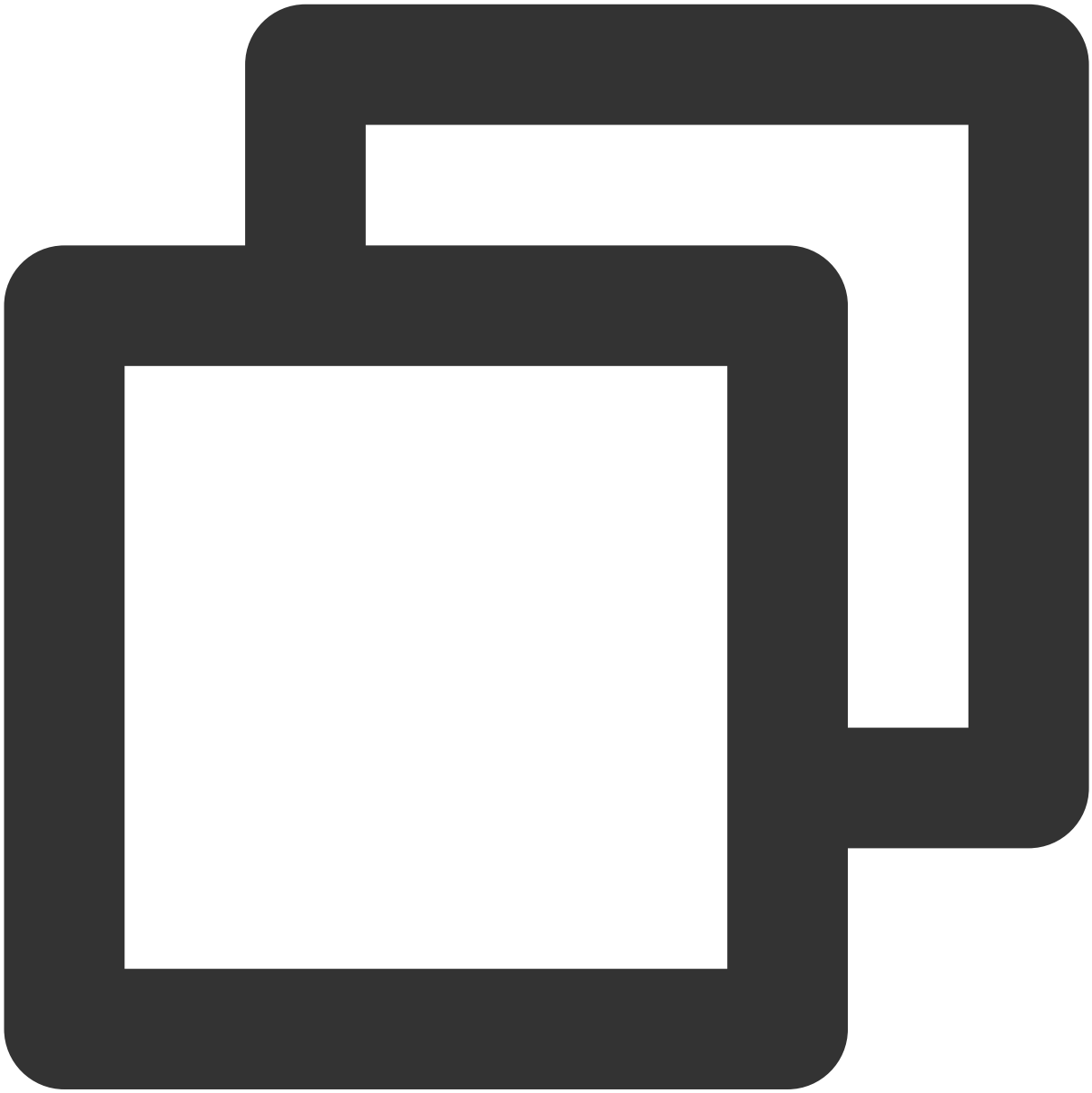
Note:

You can obtain the value of `<signature>` by referring to Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Pipeline Operators

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Overview

CI allows you to use pipeline operators (|) to separate multiple image processing parameters. In this way, multiple operations can be performed in sequence in a single request. The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels. For an input animated image, the total number of pixels (Width x Height x Number of frames) cannot exceed 250 million pixels.

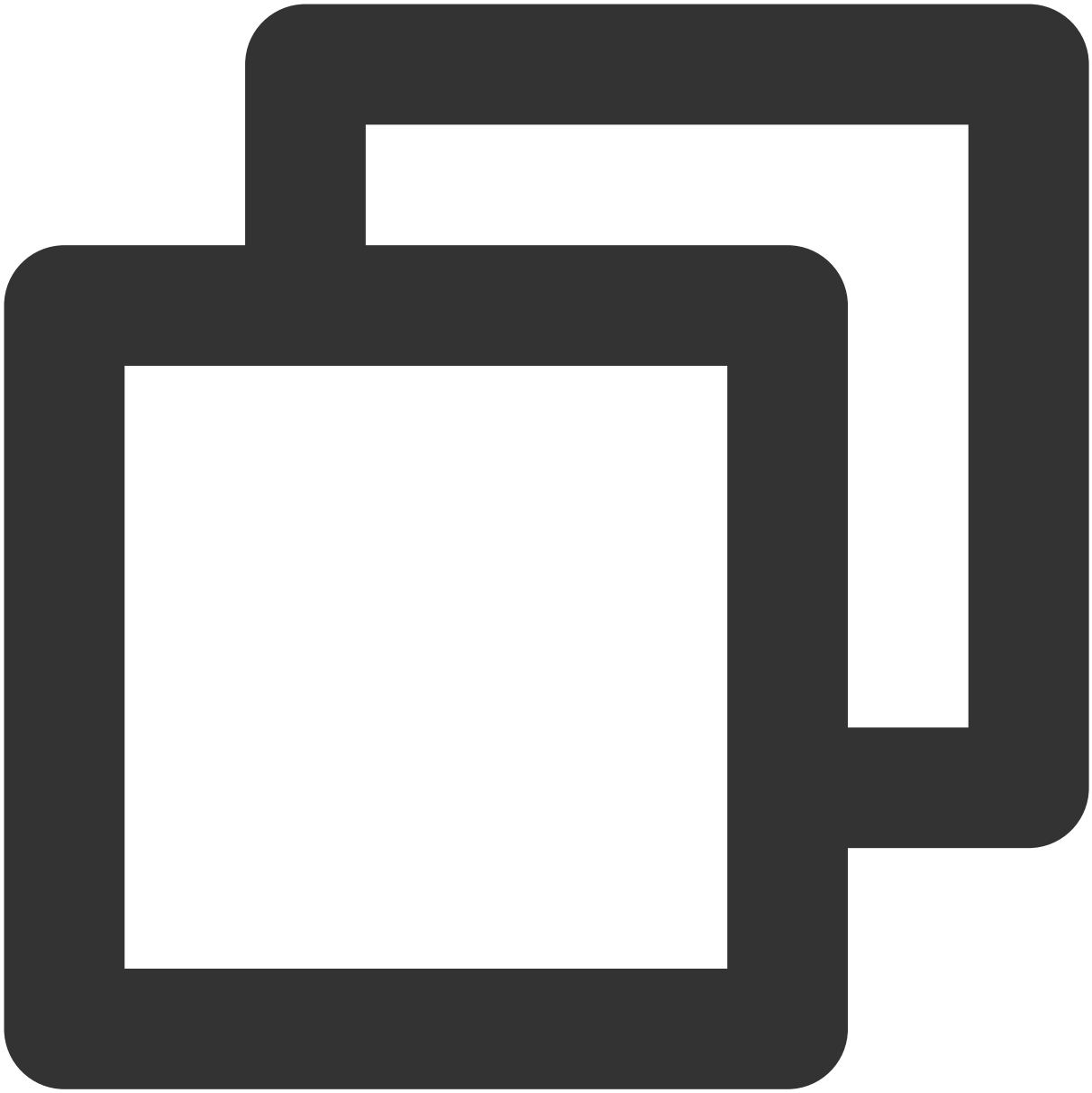
API Format

You can append a style separator (?) to the end of an image URL and then add processing operations. Use pipeline operators (|) to separate multiple operations (up to 10 operations are supported). These operations will be performed in sequence.

Examples

This example scales the input image to 50% and then adds a text watermark in the lower-right corner.
Assume that the URL of the input image is as follows:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg
```

Input image:

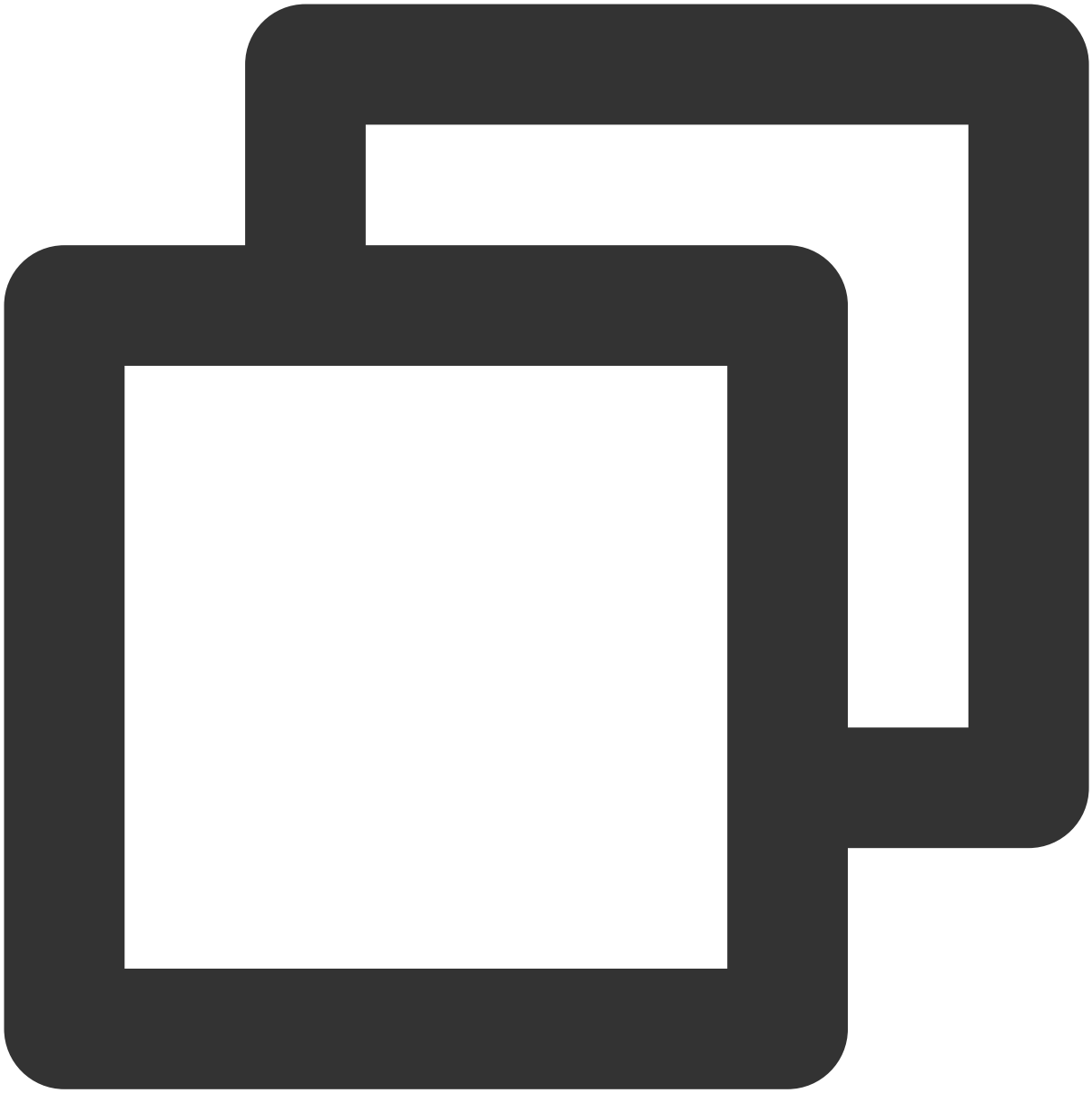
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Example 1: scaling and adding watermark

Add the scaling operation:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/thum
```

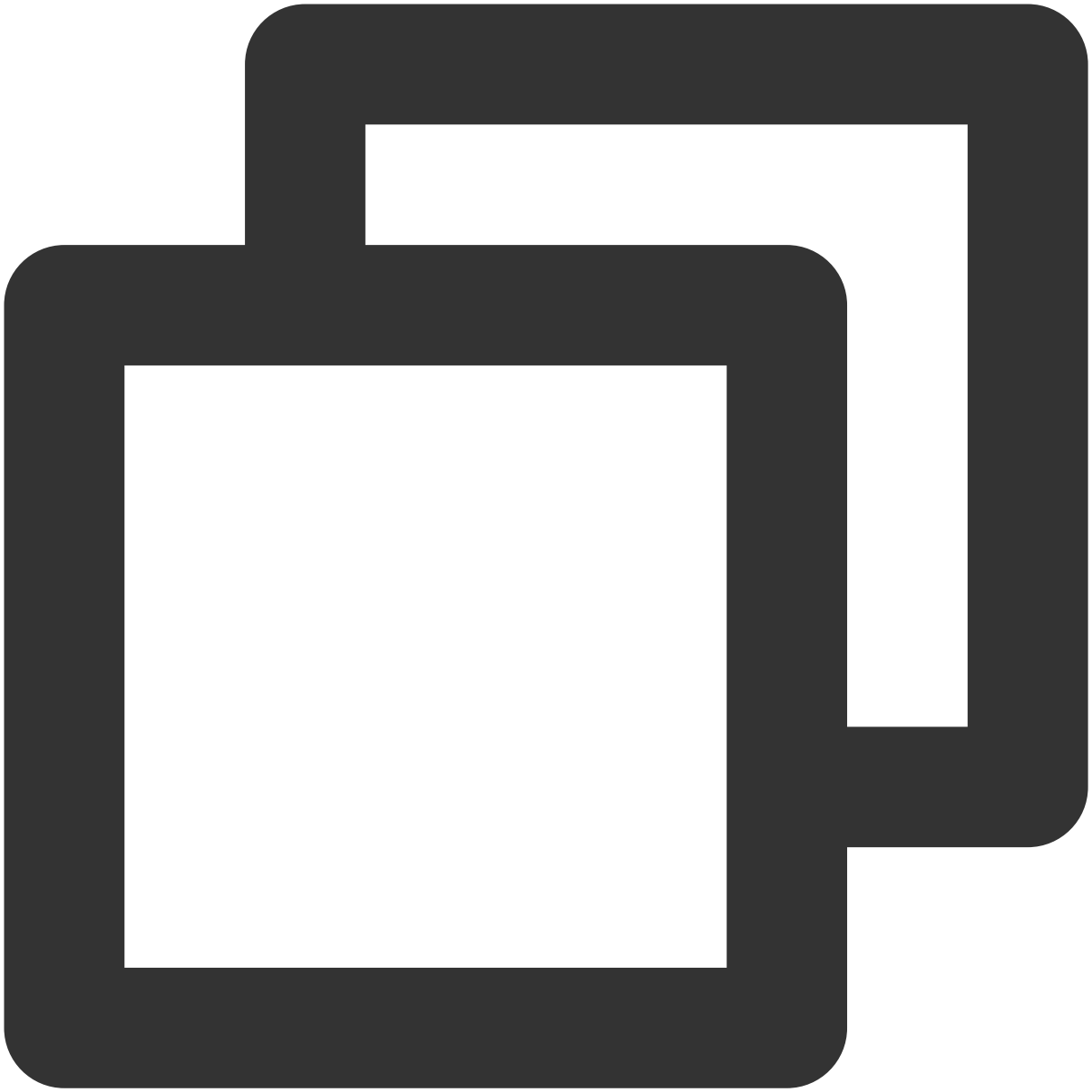
The scaled image is as follows:

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Append a pipeline operator (|) and then add the text watermarking operation:

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?imageMogr2/thum
```

Output image:

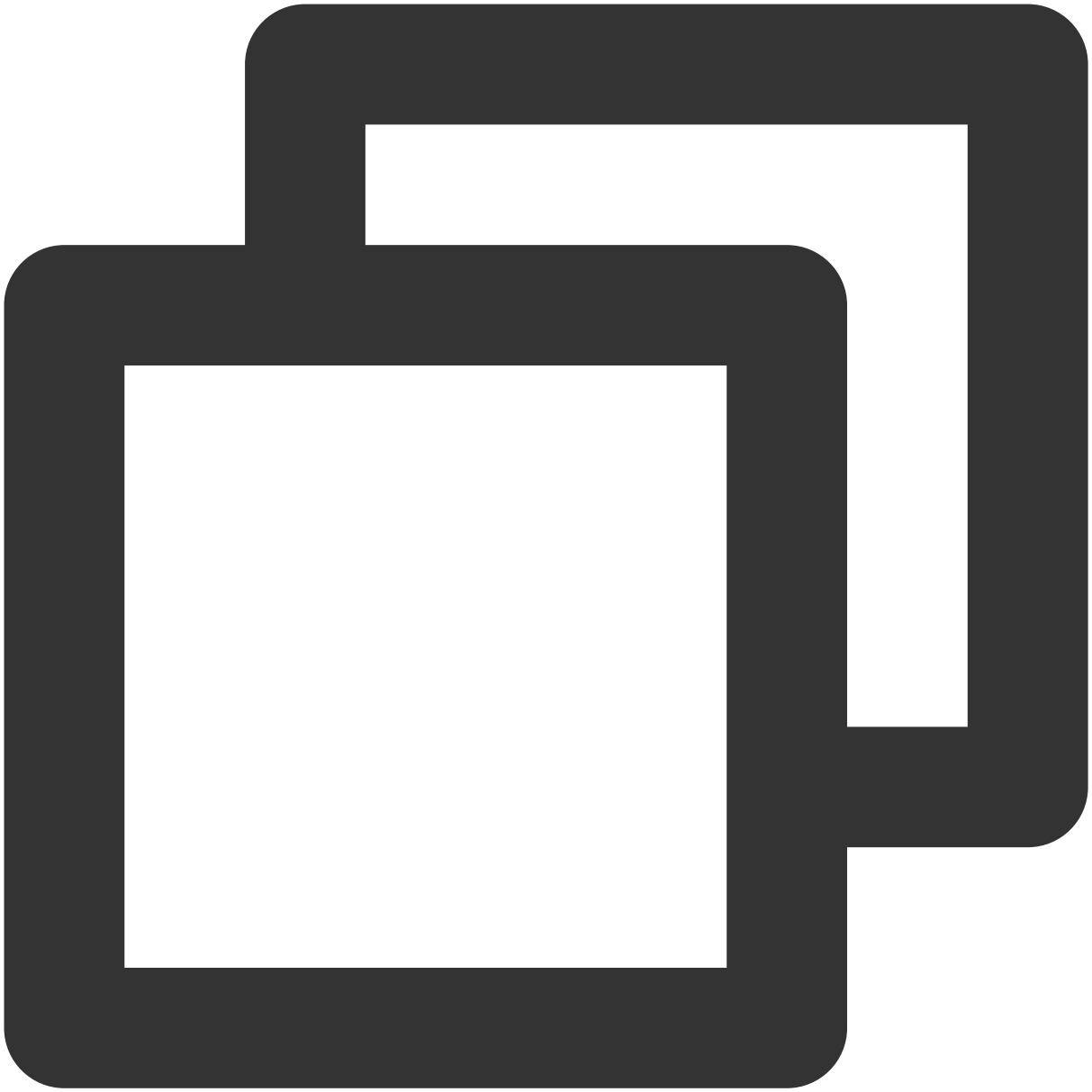
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Example 2: using pipeline operators with a signature carried

This example processes the image in the same way as in the example above except that a signature is carried. The signature is joined with other processing parameters using an ampersand (&):

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

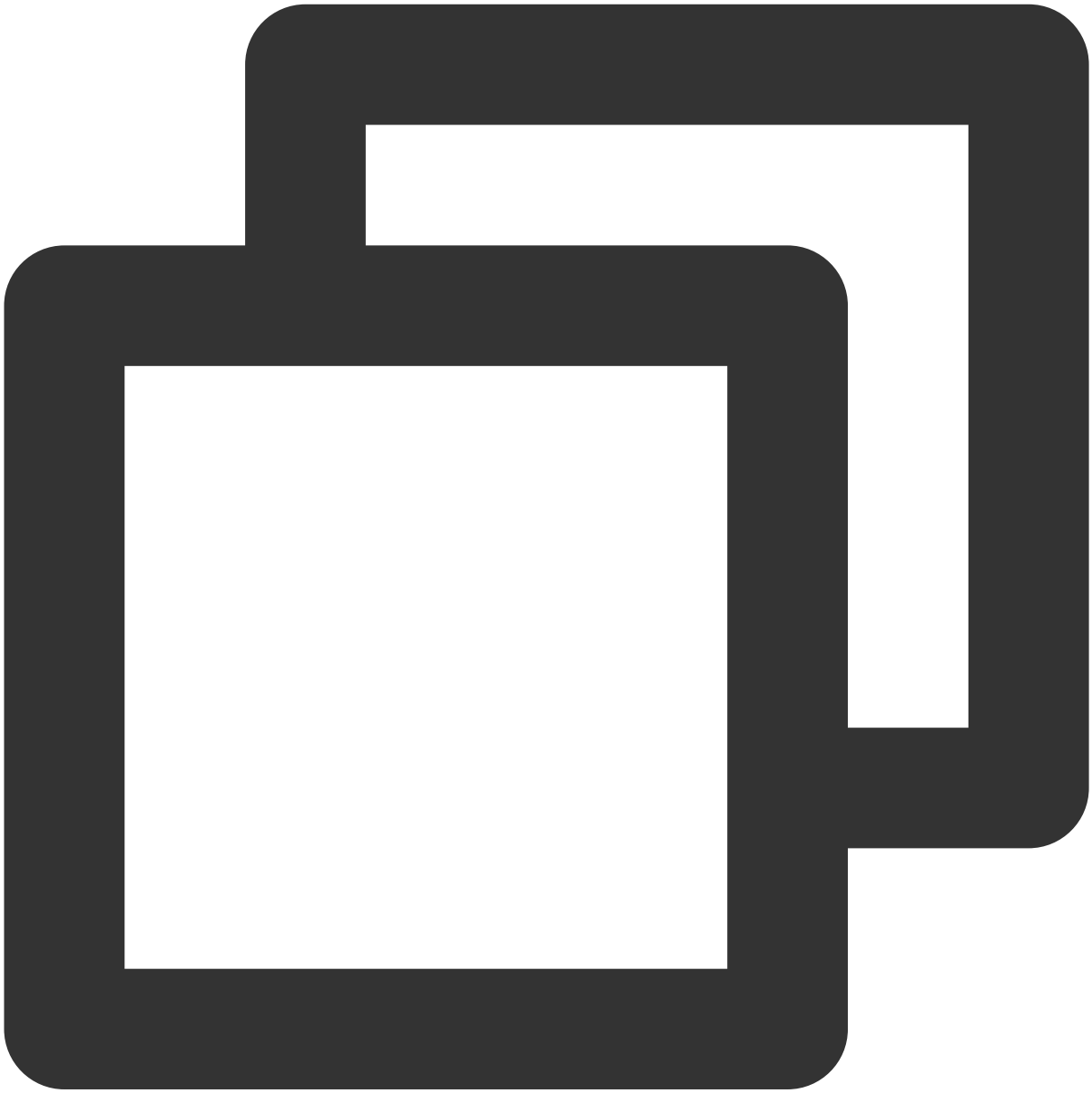
Note:

You can obtain the value of `<signature>` by referring to Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, please see Request Signature.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Image Size Limiting

Last updated：2024-02-18 10:36:35

Feature Overview

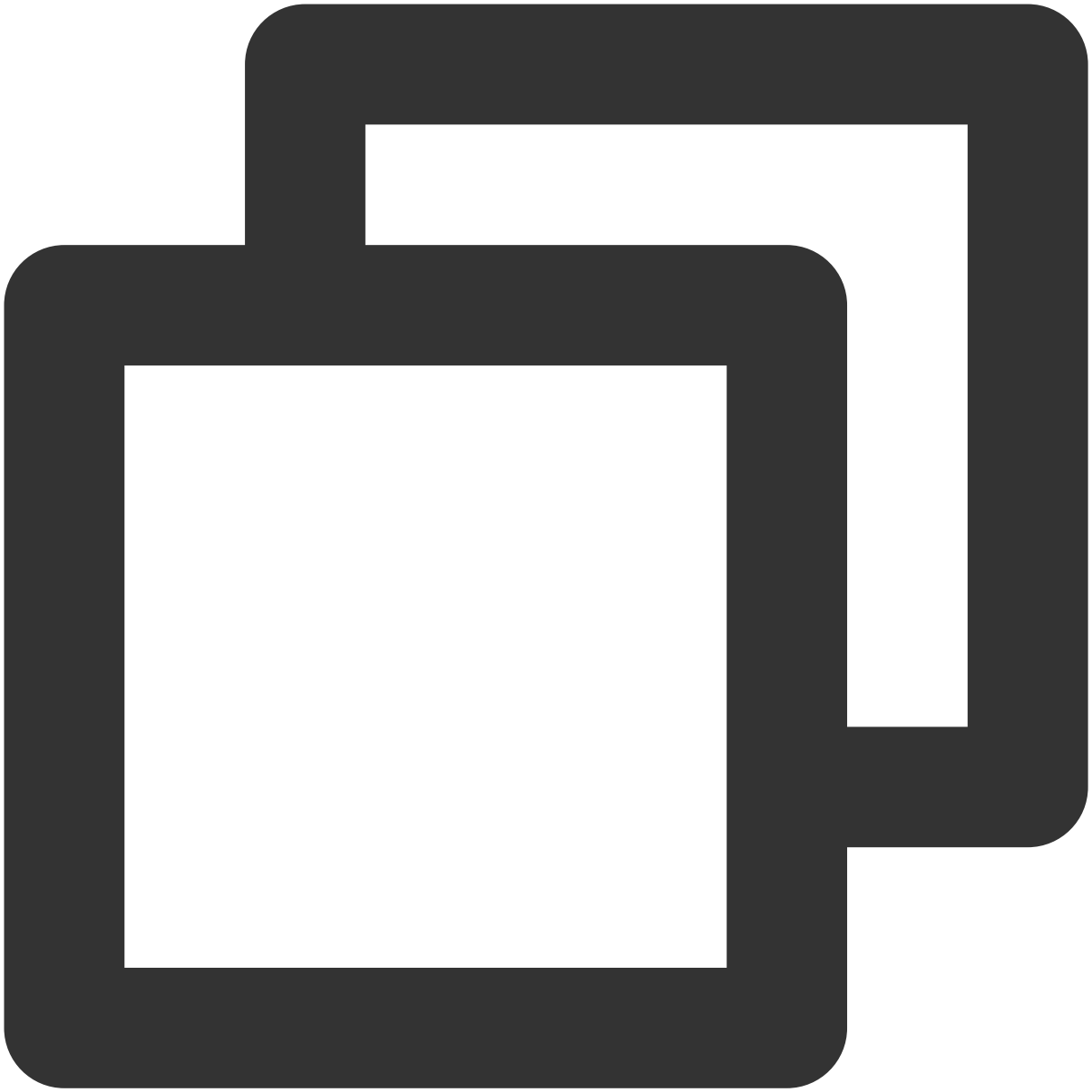
CI uses the **imageMogr2/size-limit** API to limit the size of an image processed (e.g., scaled or compressed).

Restrictions

Format: The API for limiting the image size is supported only for JPG images.
Size: The original image cannot be larger than 32 MB. Its dimensions cannot exceed 50000 pixels and its resolution cannot exceed 250 million pixels. The dimensions of the output image cannot exceed 50000 pixels.

API Format

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```
GET /<ObjectKey>?imageMogr2/size-limit HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Parameters

Operation: size-limit

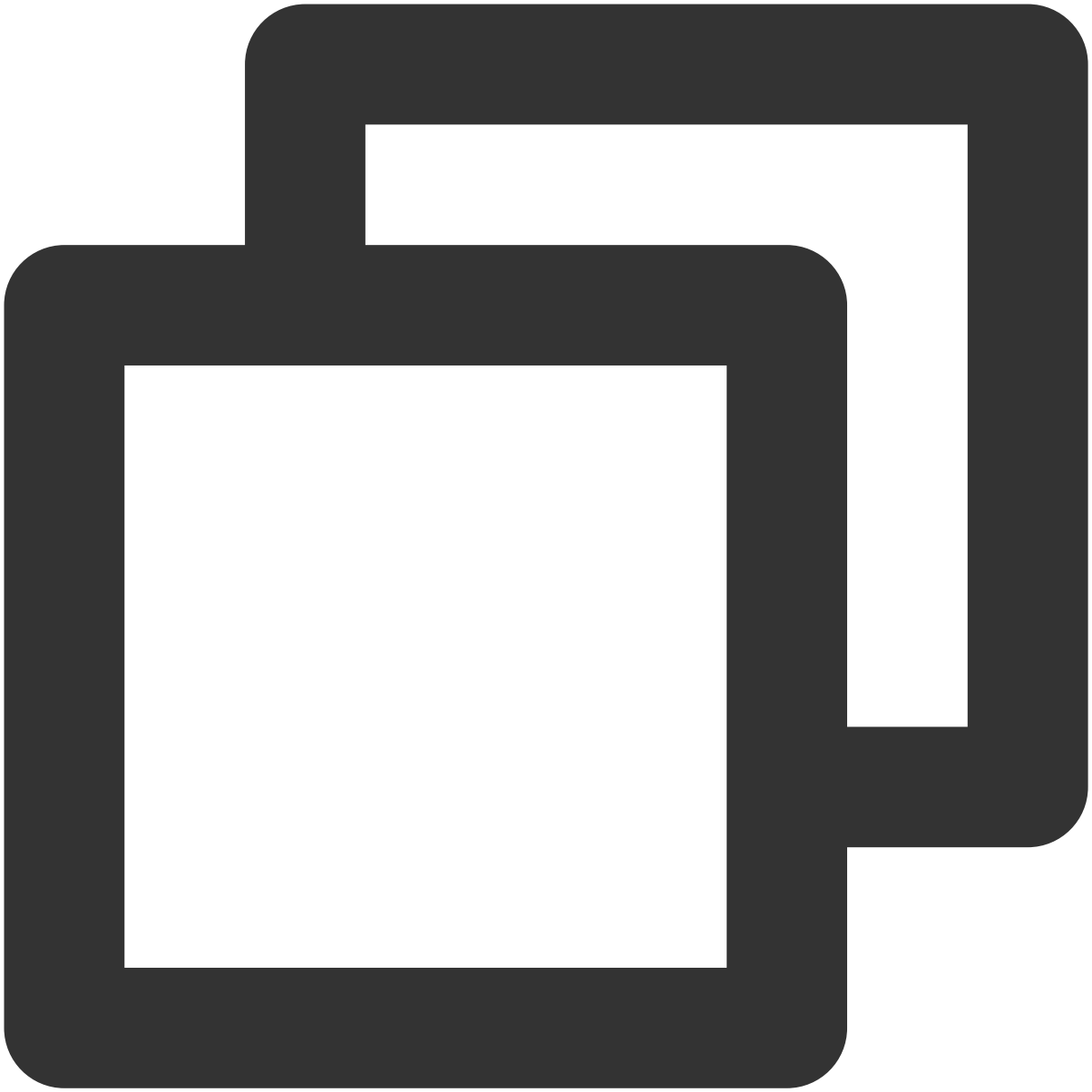
Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
size-limit	Limits the size of the output image. The unit can be `k` (KB) or `m` (MB). Only JPG images are supported. Appending an exclamation mark (!) means to compare the sizes of the input and output images. If the output image is smaller, the output image will be returned; otherwise, the input image will be returned; for example, `examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/picture.jpg?imageMogr2/size-limit/15k!` We recommend you use this parameter together with `strip` to remove redundant image metadata, for example, `examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/picture.png?imageMogr2/strip/format/jpg/size-limit/15k!`
/ignore-error/1	If this parameter is carried and the image fails to be processed because the image is too large or a parameter value exceeds the limit, the input image will be returned with no error reported.

Examples

Example 1: converting image format and limiting the output image size

This example converts a PNG image into JPG format and limits the output image size to 15 KB:

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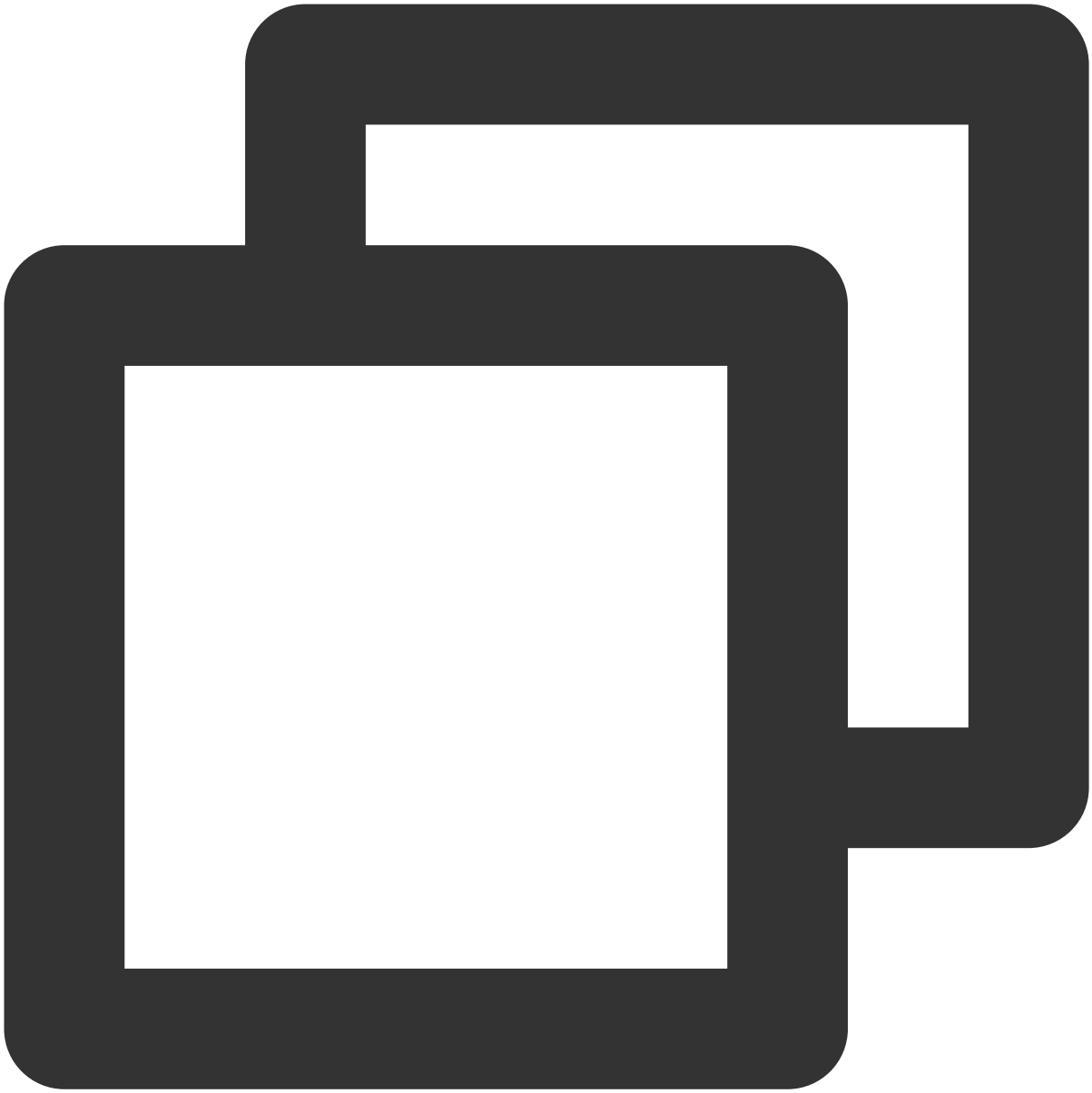


```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.png?imageMogr2/strip
```

Example 2: converting image format and limiting the output image size with a signature carried

This example processes the image in the same way as in the example above except that a signature is carried. The signature is joined with other processing parameters using an ampersand (&):

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.png?q-sign-algorithm
```

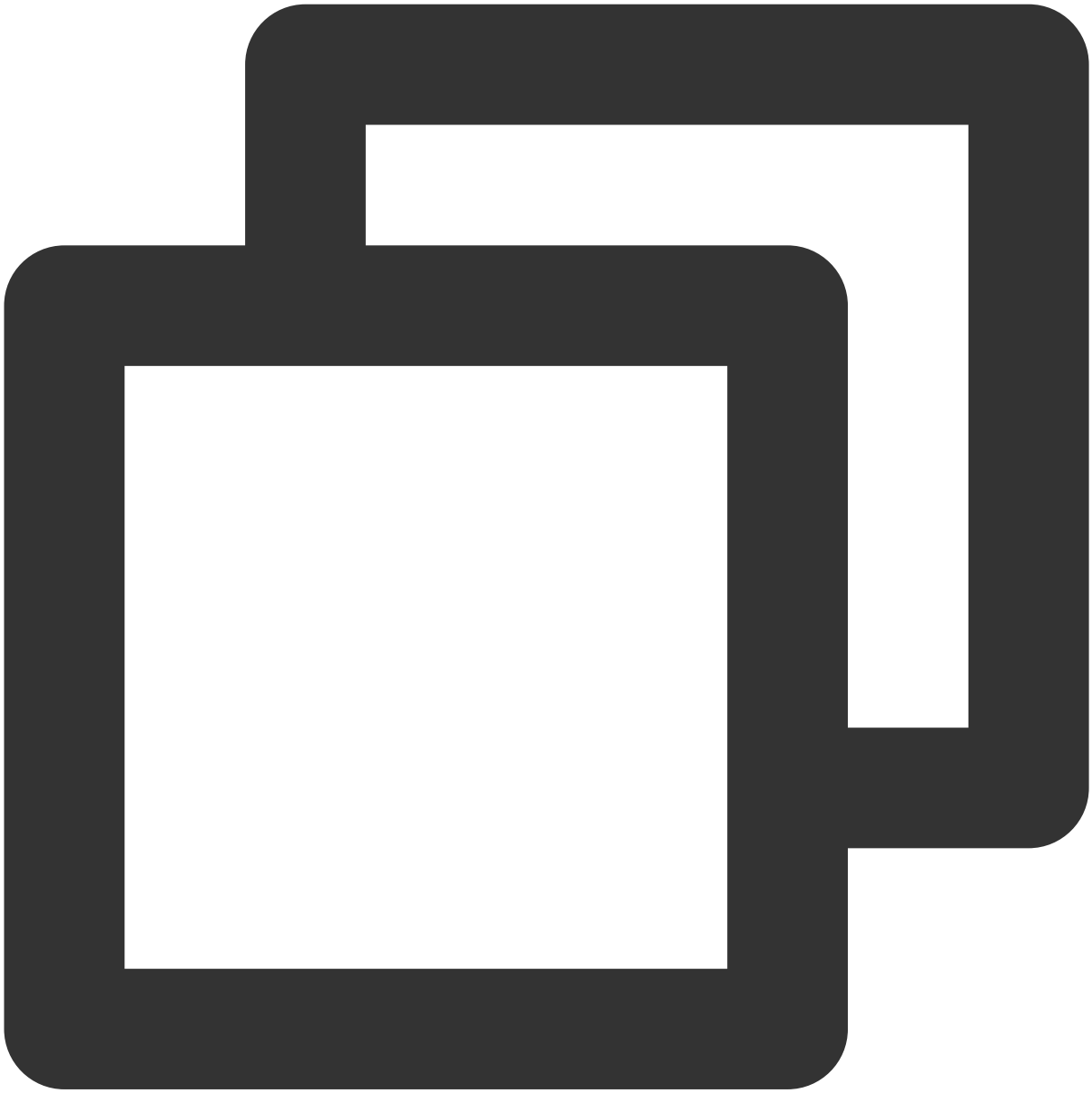
Note:

You can obtain the value of `<signature>` by referring to Request Signature.

Notes

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To prevent unauthorized users from accessing or downloading the input image by using a URL that does not contain any processing parameter, you can add the processing parameters to the request signature, making the processing parameters the key of the parameter with the value left empty. The following is a simple example for your reference (it might have expired or become inaccessible). For more information, see Upload via Pre-Signed URL.



```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

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Supported Fonts

Last updated：2024-02-18 10:36:35

Fonts supported by CI are as follows:

Font	Supported Language
SimFang.ttf	Chinese/English
SimHei.ttf	Chinese/English
SimKai.ttf	Chinese/English
SimSun.ttc	Chinese/English
STHeiti-Light.ttc	Chinese/English
STHeiti-Medium.ttc	Chinese/English
YouYuan.ttf	Chinese/English
Ahronbd.ttf	English
Arial.ttf	English
Ariblk.ttf	English
Helvetica.dfont	English
HelveticaNeue.dfont	English

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Image Styles
Adding Style

Last updated：2024-02-18 10:36:36

Overview

This API is used to set a style for a bucket to process images in the same way.

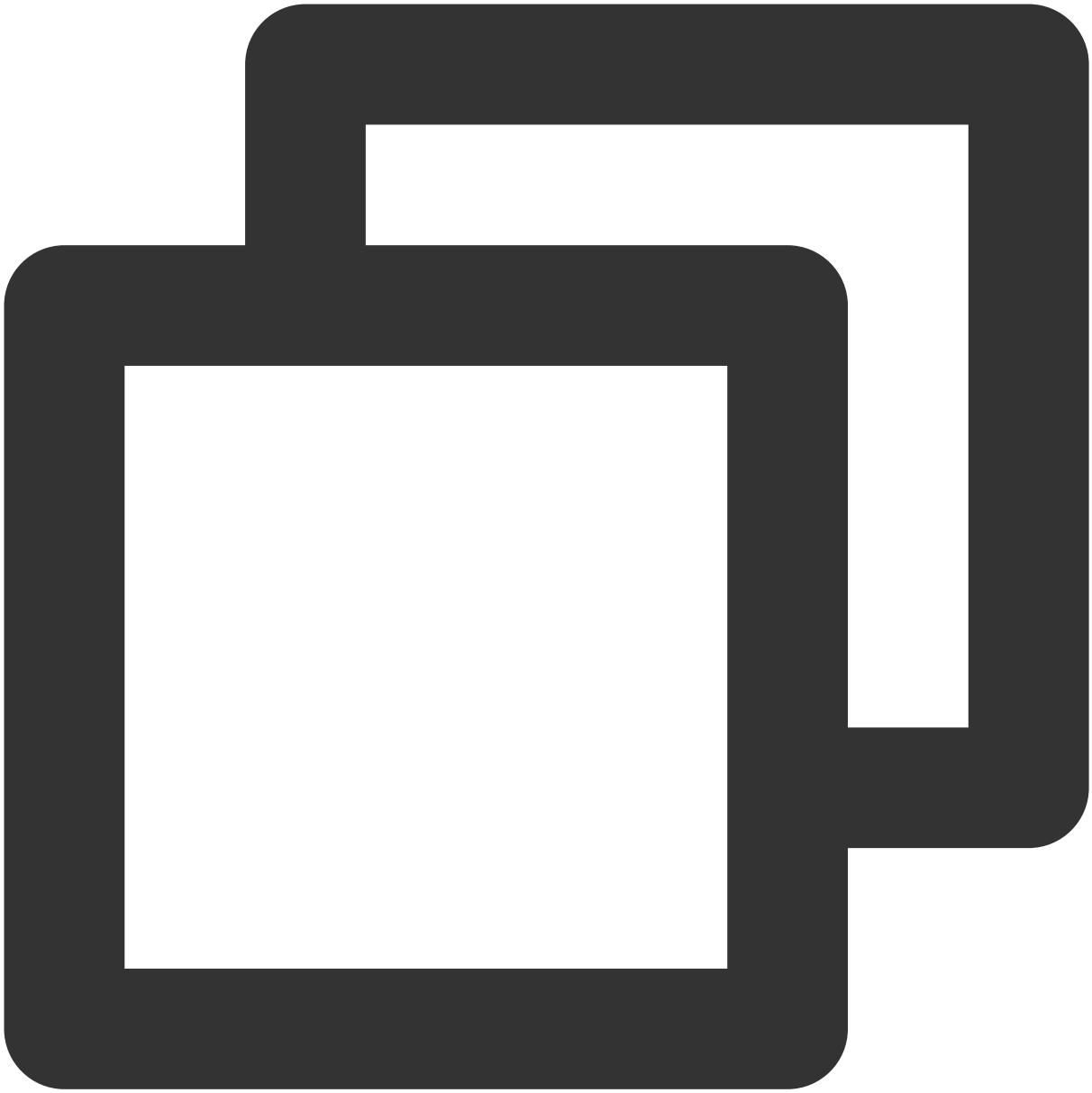
Note:

Currently, the QPS for bucket writes is limited to 1, and bucket reads to 10.

Request

Sample request

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```
PUT /?style HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
<XML File>
```

Note:

Authorization: Auth String (See Request Signature for details.)

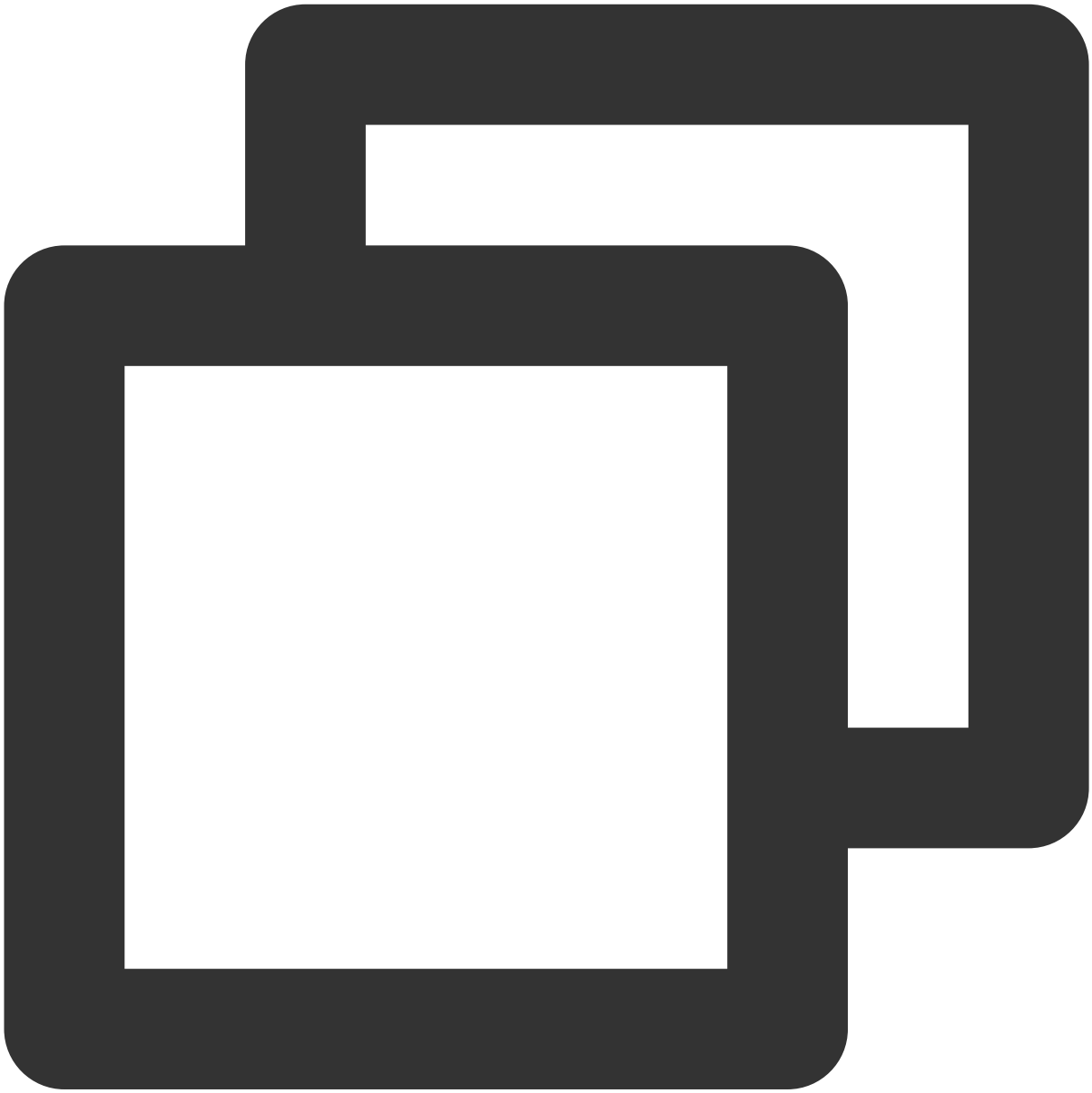
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API uses only common request headers. For more information, please see Common Request Headers.

Request body



```
<?xml version="1.0" encoding="UTF-8" ?>
<AddStyle>
    <StyleName>string</StyleName>
    <StyleBody>string</StyleBody>
</AddStyle>
```

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Nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
AddStyle	None	The style to be added	Container	Yes

Content of `AddStyle` :

Node Name (Keyword)	Parent Node	Description	Type	Required
StyleName	AddStyle	Style name	string	Yes
StyleBody	AddStyle	Style details	string	Yes

Response

Response headers

This API uses only common response headers. For more information, please see Common Response Headers.

Response body

The response body returned is empty.

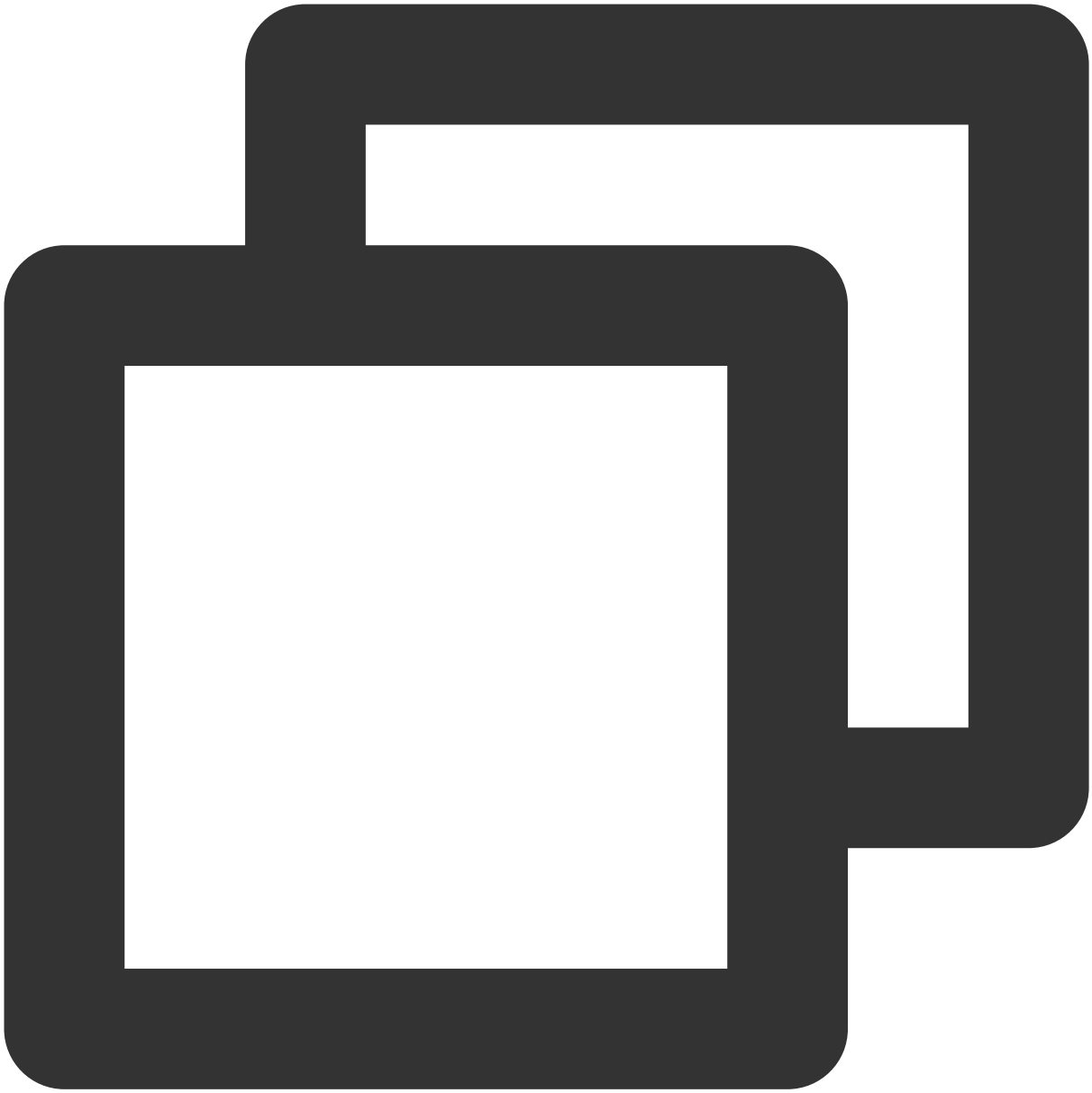
Error codes

This API does not have any special error codes. For more information about all error codes, please see Error Codes.

Examples

Request

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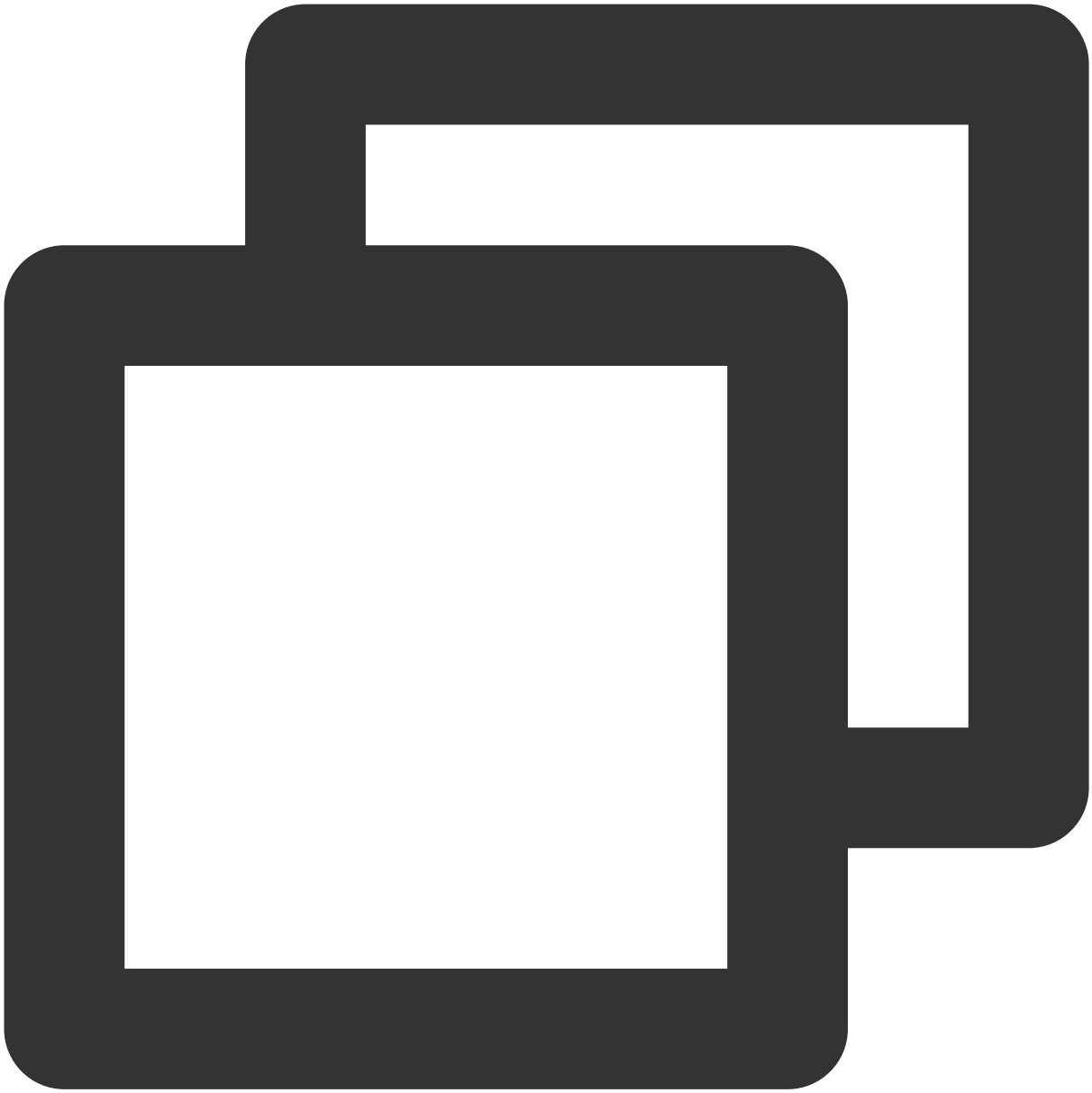


```
PUT /?style HTTP/1.1
Host: examplebucket-1250000000.pic.ap-chengdu.myqcloud.com
Date: Tue, 03 Apr 2019 09:06:15 GMT
Authorization:XXXXXXXXXXXX

<?xml version="1.0" encoding="UTF-8" ?>
<AddStyle>
    <StyleName>style_name</StyleName>
    <StyleBody>imageMogr2/thumbnail/!50px</StyleBody>
</AddStyle>
```

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Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 0
Date: Tue, 03 Apr 2019 09:06:16 GMT
x-cos-request-id: xxxxxxxxxxxxxxxxxx
```

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Querying Style

Last updated：2024-02-18 10:36:36

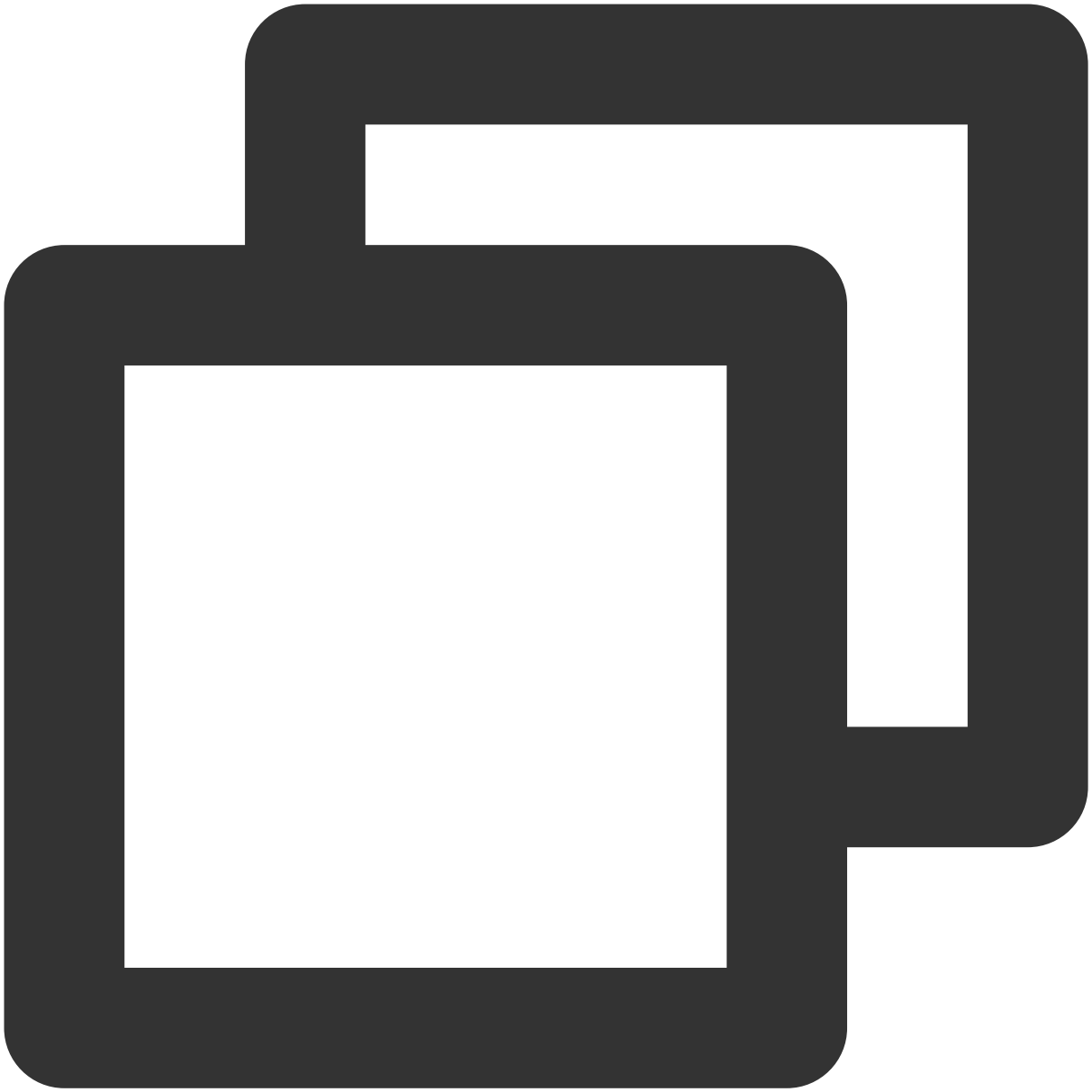
Overview

This API is used to query the styles set for a bucket. If the request body is not used, all styles set for the bucket will be queried. If the request body is used, only styles carried in the request body will be queried.

Request

Sample request

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```
GET /?style HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

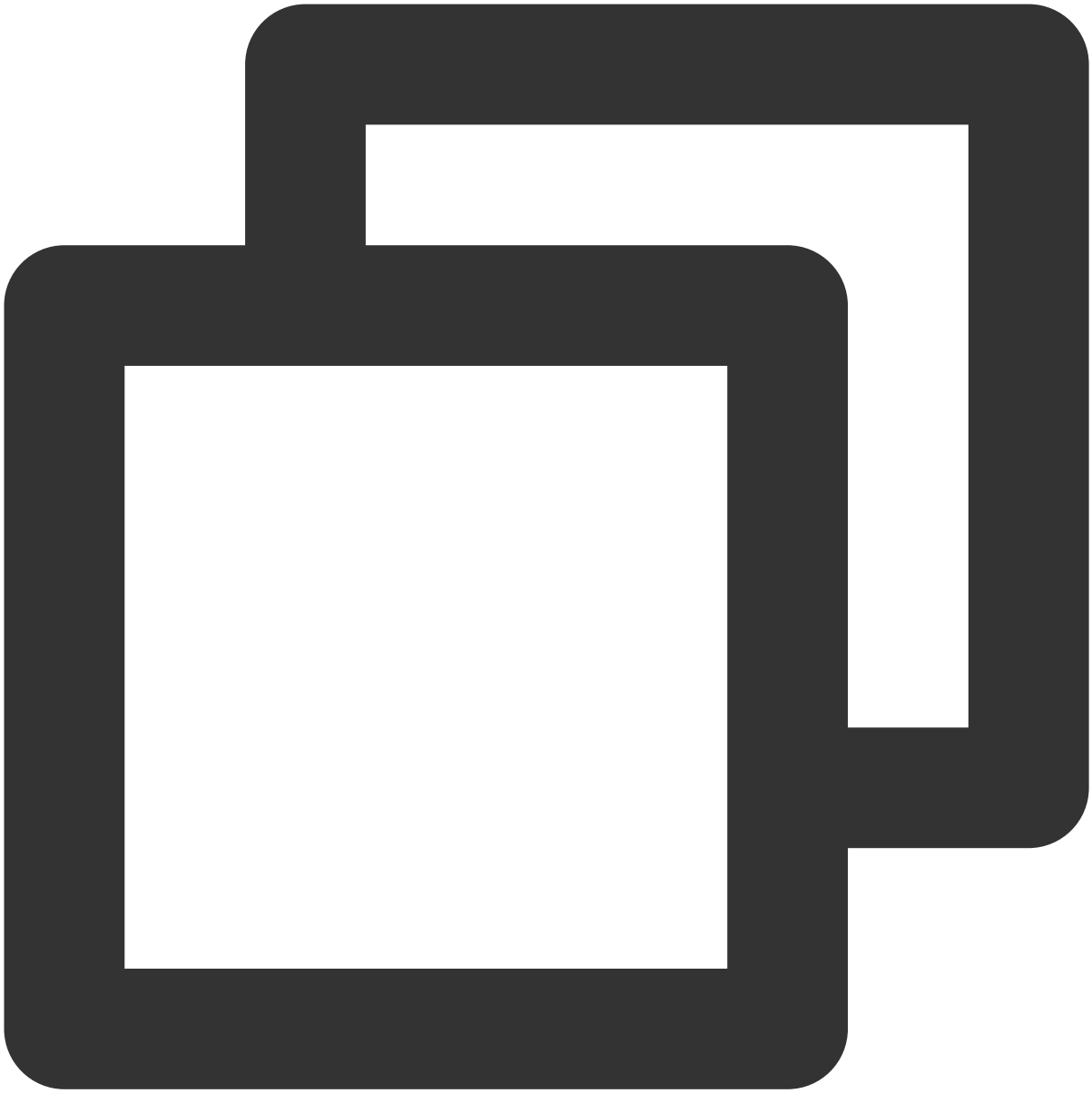
Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request line



```
GET /?style HTTP/1.1
```

This API accepts `GET` requests.

Request headers

Common request headers

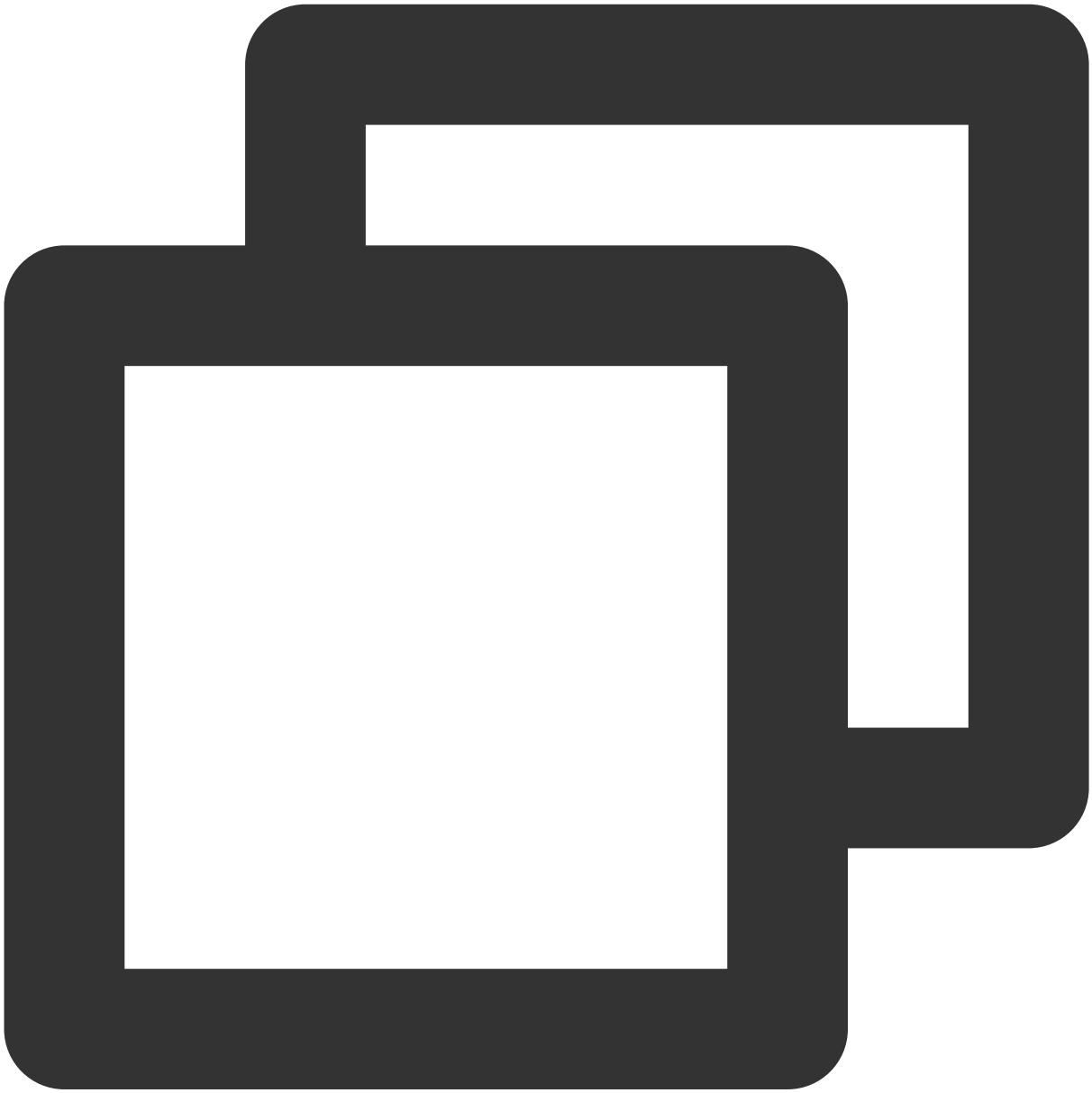
This API uses common request headers. For more information, please see Common Request Headers.

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Non-common request headers

This API does not use any non-common request header.

Request body



```
<?xml version="1.0" encoding="UTF-8" ?>
<GetStyle>
  <StyleName>string</StyleName>
</GetStyle>
```

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Response

Response headers

Common response headers

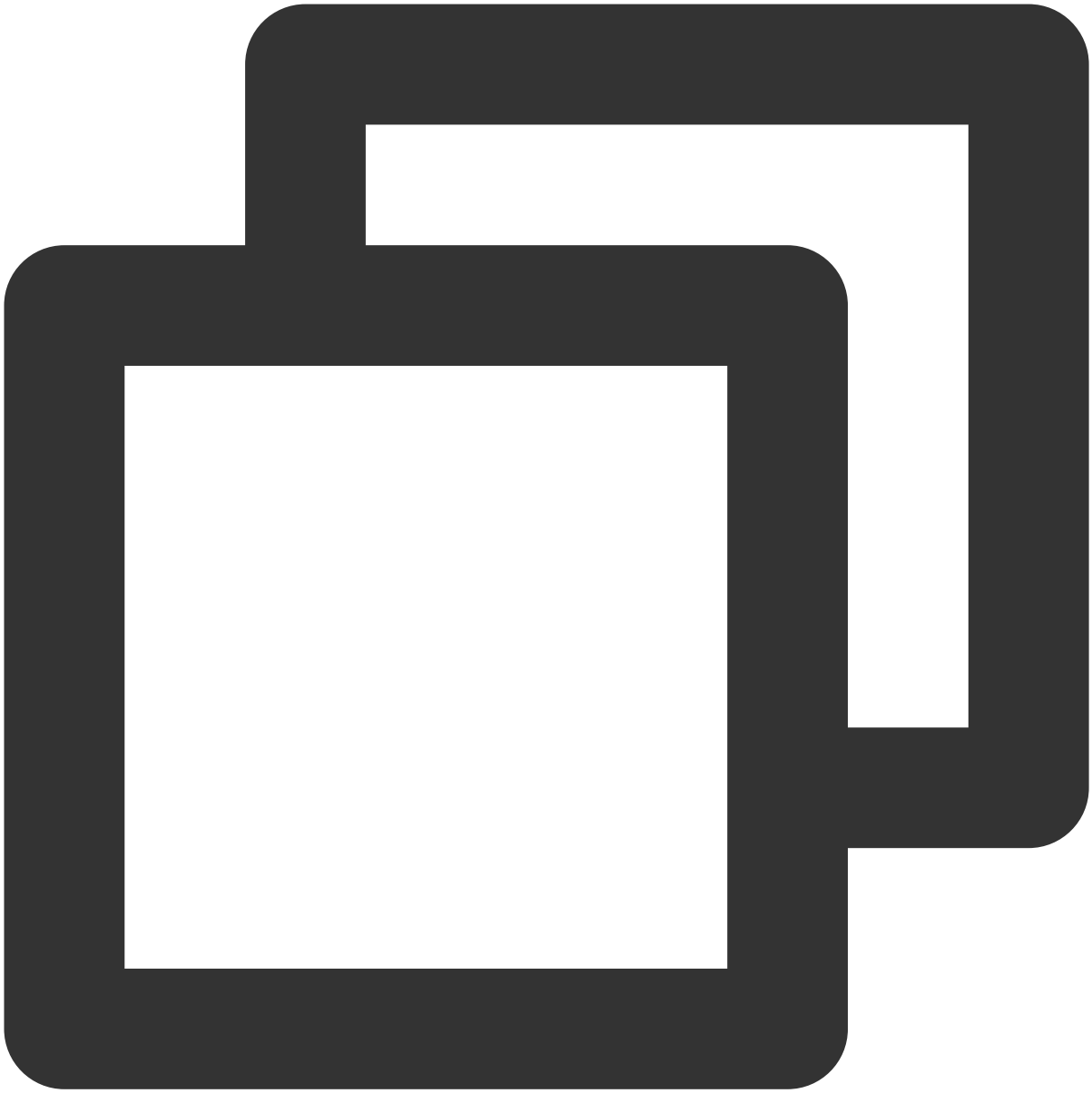
This API uses common response headers. For more information, please see Common Response Headers.

Non-common response headers

This API does not use any non-common response header.

Response body

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```
<StyleList>
  <StyleRule>
  <StyleName>string</StyleName>
  <StyleBody>string</StyleBody>
</StyleRule>
  <StyleRule>
  <StyleName>string</StyleName>
  <StyleBody>string</StyleBody>
</StyleRule>
</StyleList>
```

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Deleting Style

Last updated：2024-02-18 10:36:35

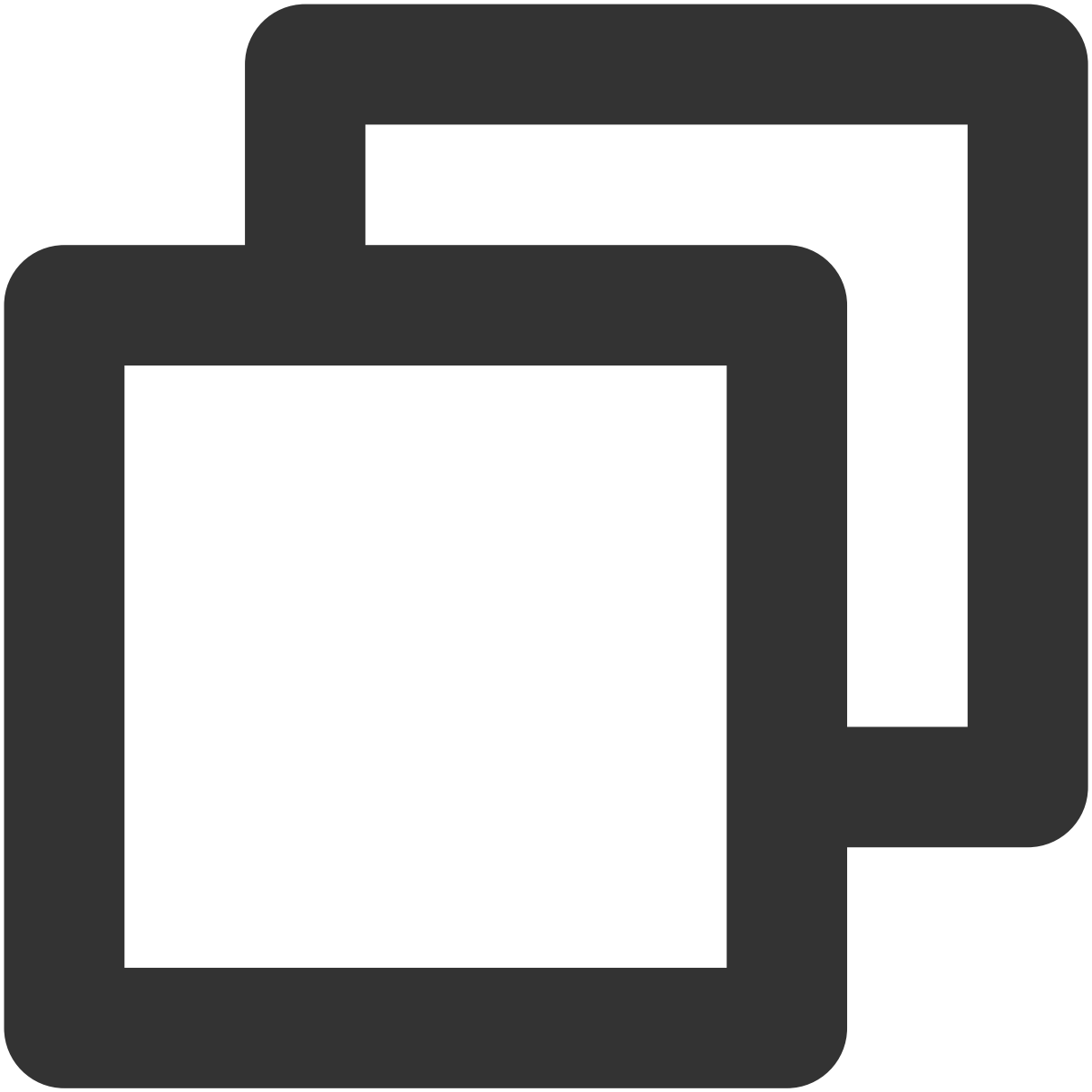
Overview

This API is used to delete a style from a bucket.

Request

Sample request

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```
DELETE /?style HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
<XML File>
```

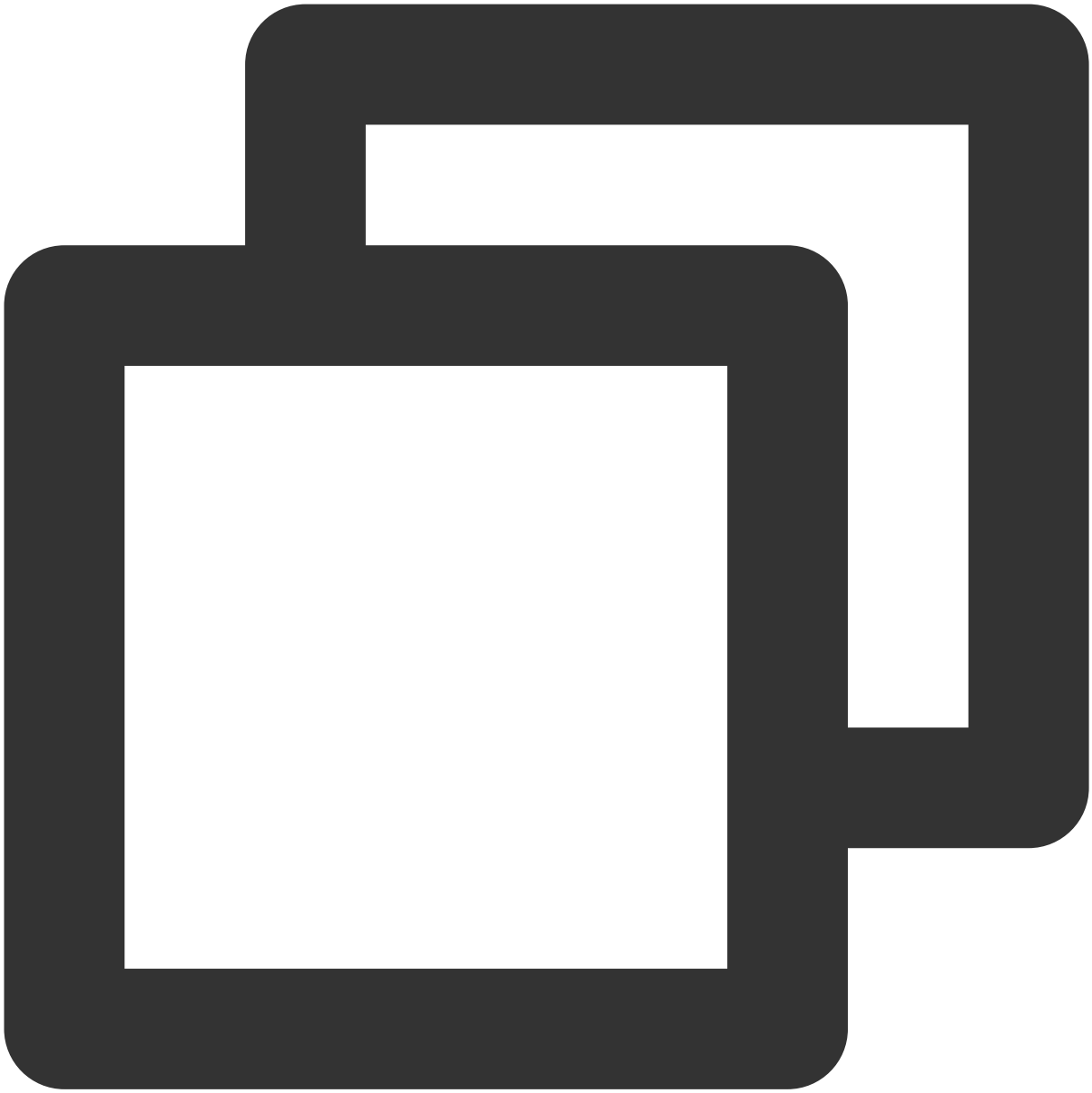
Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request line



```
DELETE /?style HTTP/1.1
```

This API accepts `DELETE` requests.

Request headers

Common request headers

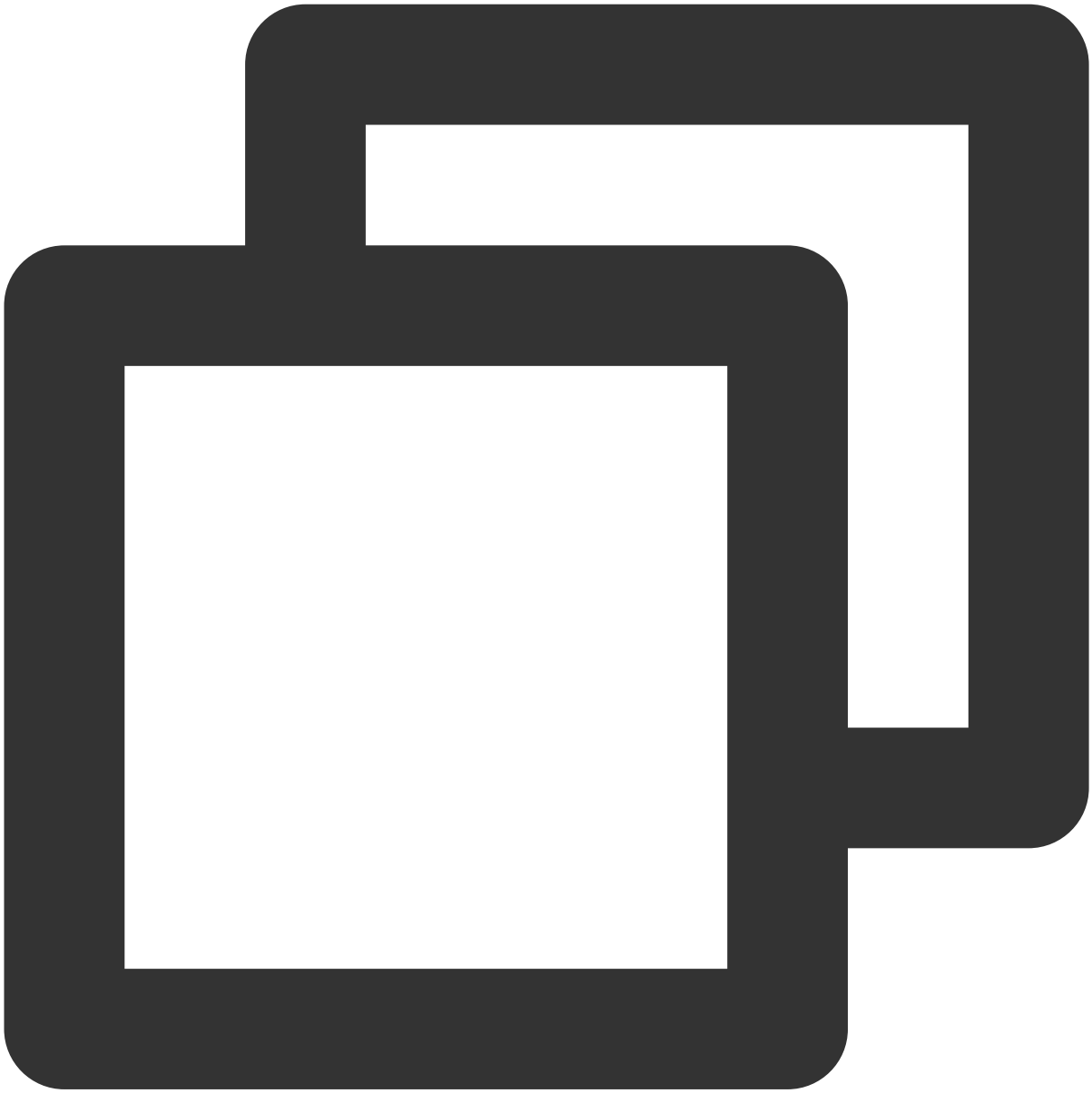
This API uses common request headers. For more information, please see Common Request Headers.

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Non-common request headers

This API does not use any non-common request header.

Request body



```
<?xml version="1.0" encoding="UTF-8" ?>
<DeleteStyle>
  <StyleName>string</StyleName>
</DeleteStyle>
```

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Response

Response headers

Common response headers

This API uses common response headers. For more information, please see Common Response Headers.

Non-common response headers

This API does not use any non-common response header.

Response body

The response body returned is empty.

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Image Compression
Guetzli Compression
Enabling Guetzli Compression

Last updated：2024-02-18 10:36:35

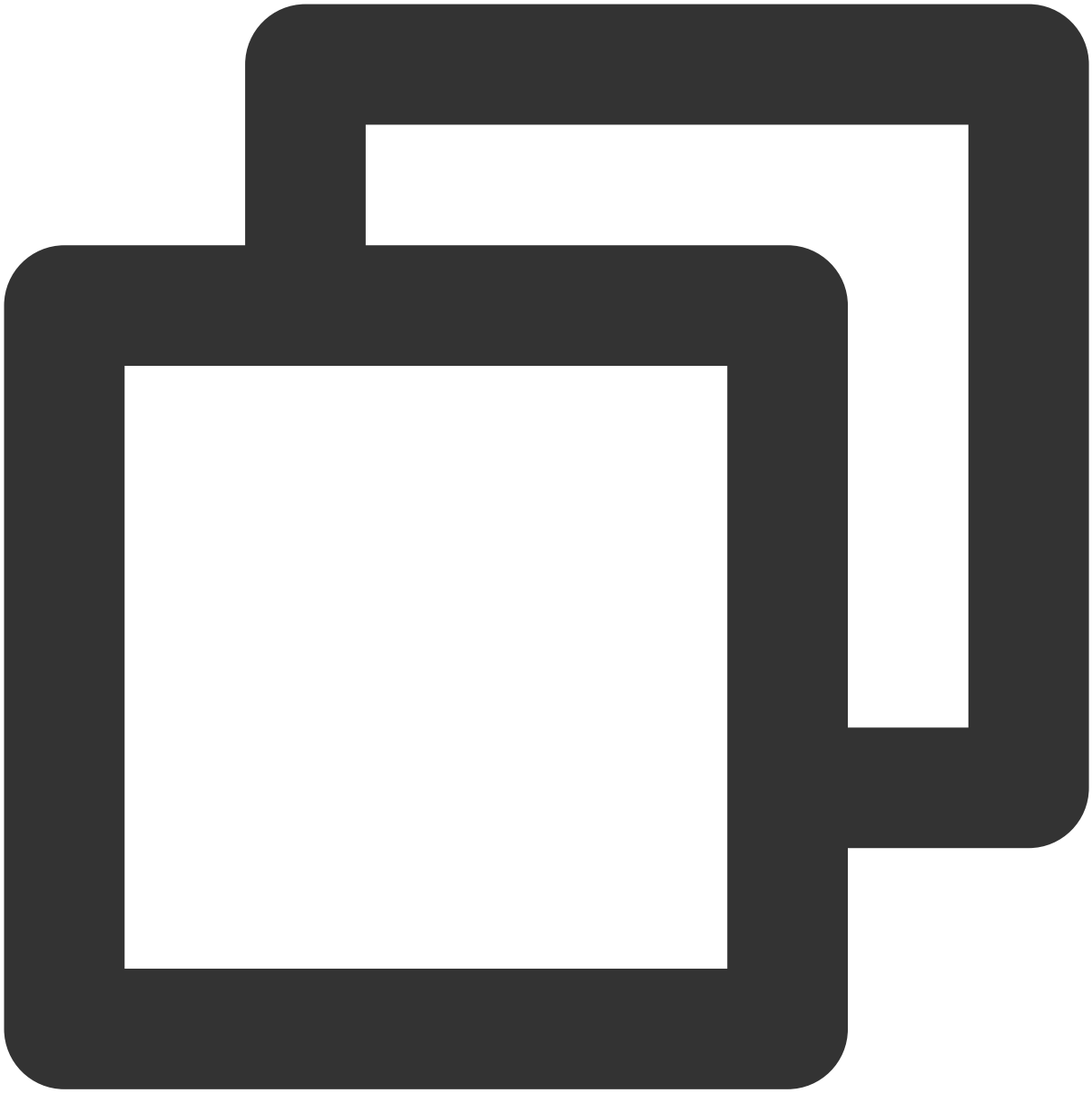
Overview

This API is used to enable the Guetzli compression feature for a bucket.

Request

Sample request

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```
PUT /?guetzli HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

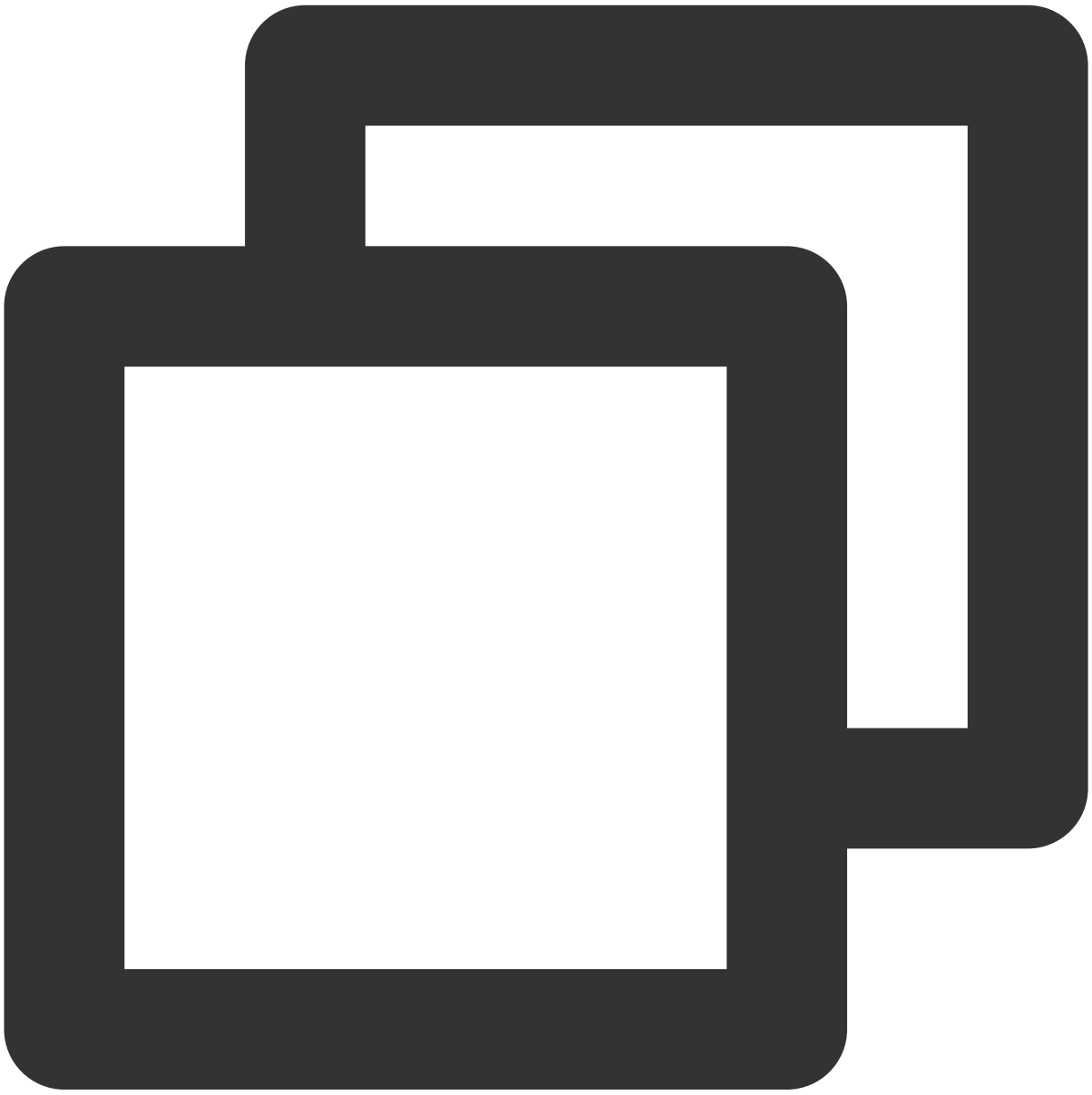
Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Guetzli compression currently cannot be used at COS domain names. Use `pic` domain names as described in the sample.

Request line



```
PUT /?guetzli HTTP/1.1
```

This API accepts `PUT` requests.

Request headers

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Common request headers

This API uses common request headers. For more information, please see Common Request Headers.

Non-common request headers

This API does not use any non-common request header.

Request body

The request body of this request is empty.

Response

Response headers

Common response headers

This API uses common response headers. For more information, please see Common Response Headers.

Non-common response headers

This API does not use any non-common response header.

Response body

The response body returned is empty.

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Querying Guetzli Status

Last updated：2024-02-18 10:36:36

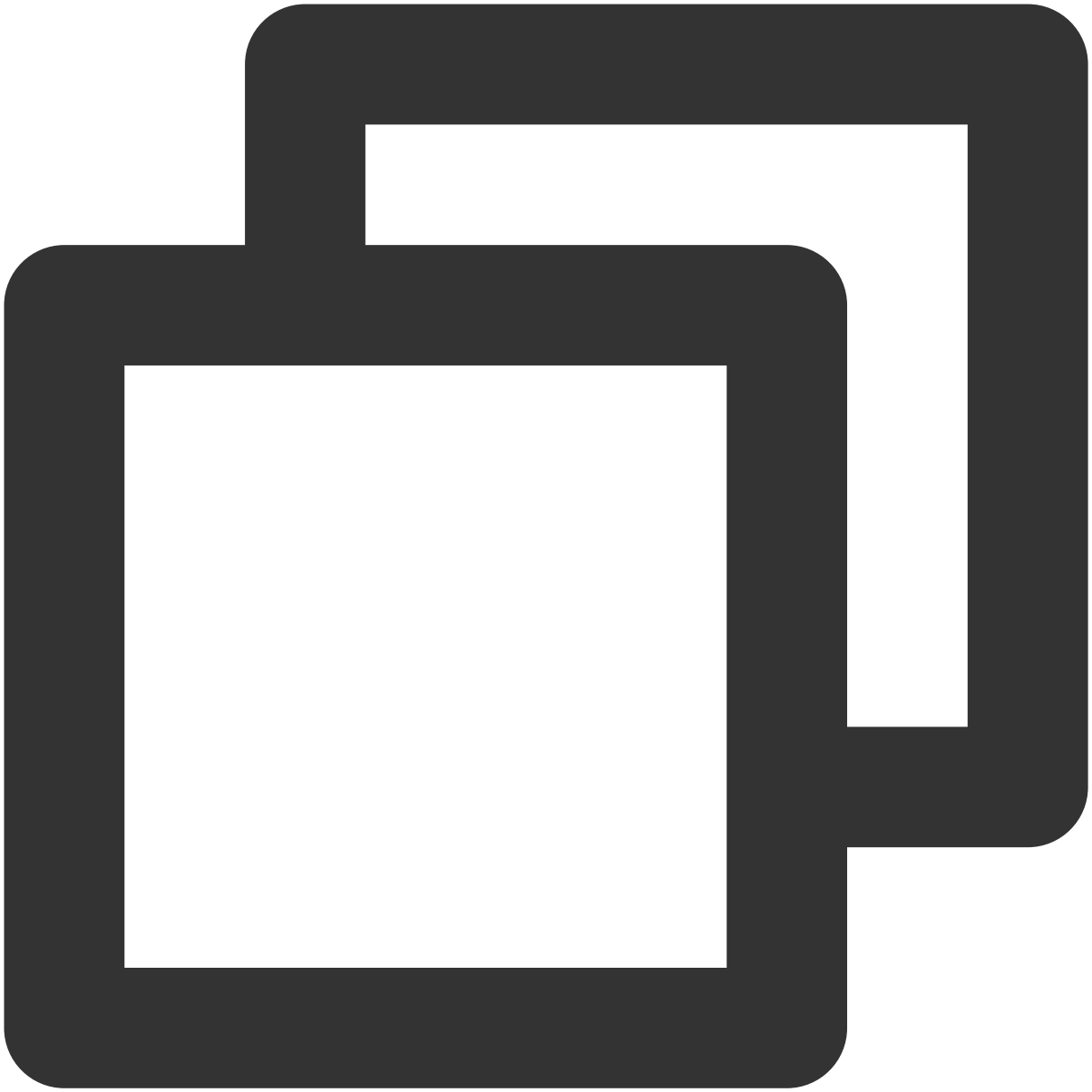
Overview

This API is used to query whether the Guetzli compression feature is enabled.

Request

Sample request

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```
GET /?guetzli HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

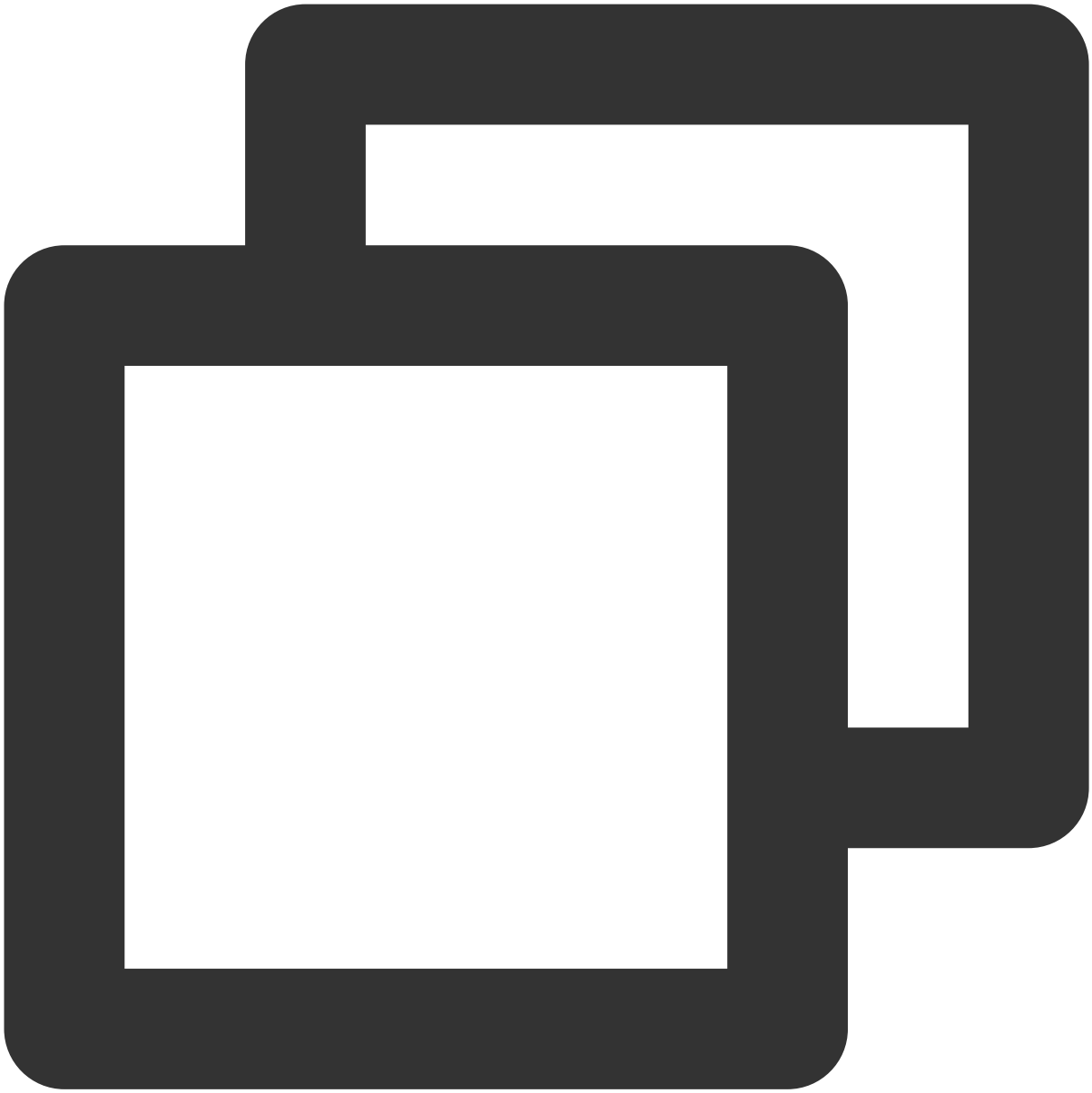
Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request line



```
GET /?guetzli HTTP/1.1
```

This API accepts `GET` requests.

Request headers

Common request headers

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The implementation of this operation uses common request headers. For more information on common request headers, see Common Request Headers.

Non-common request headers

This API does not use any non-common request header.

Request body

The request body of this request is empty.

Response

Response headers

Common response headers

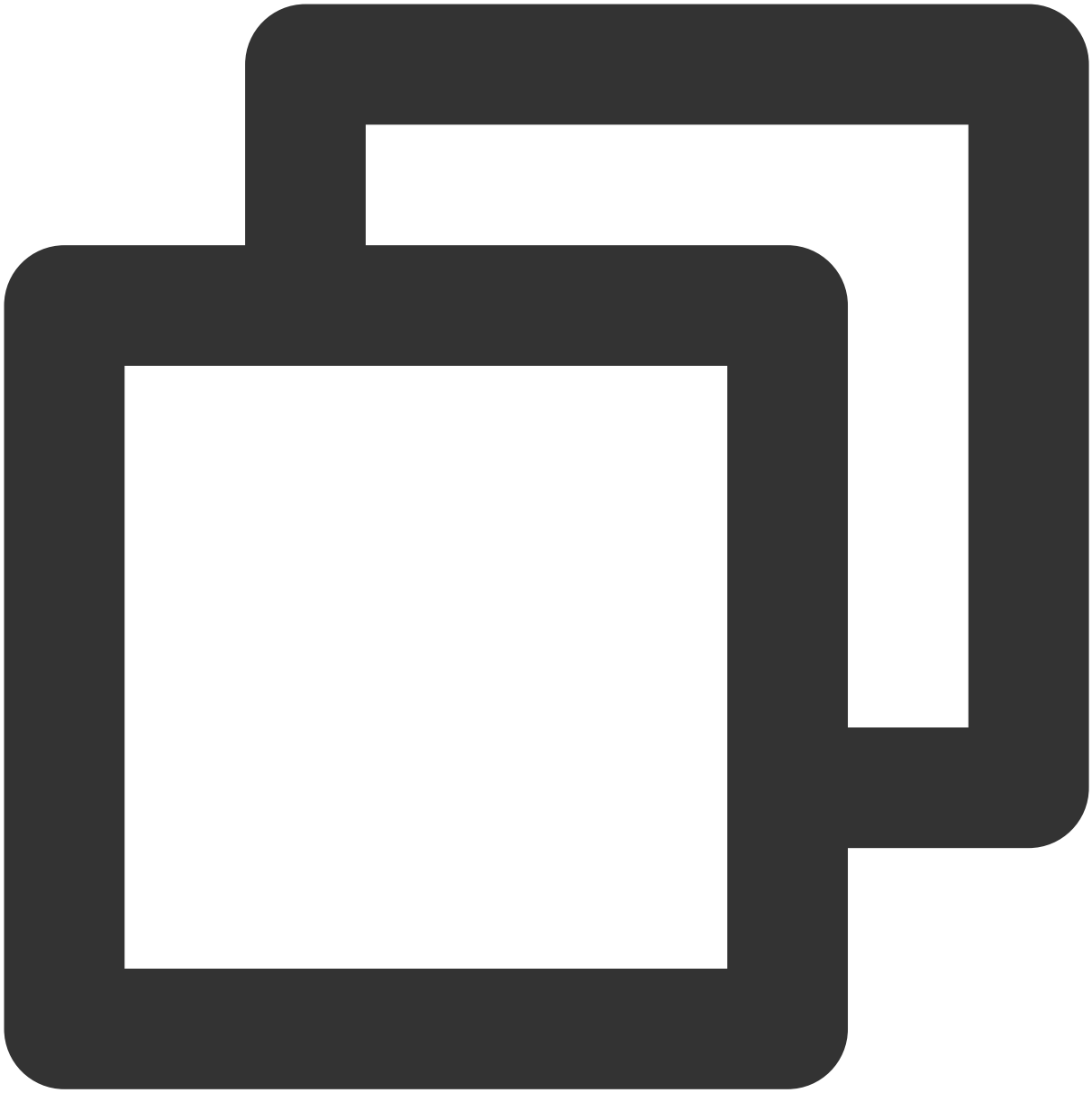
This response uses common response headers. For more information on common response headers, see Common Response Headers.

Non-common response headers

This API does not use any non-common response header.

Response body

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```
<?xml version="1.0" encoding="UTF-8" ?>
<GuetzliStatus>on</GuetzliStatus>
```

Valid values: `on` , `off` .

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Disabling Guetzli Compression

Last updated：2024-02-18 10:36:36

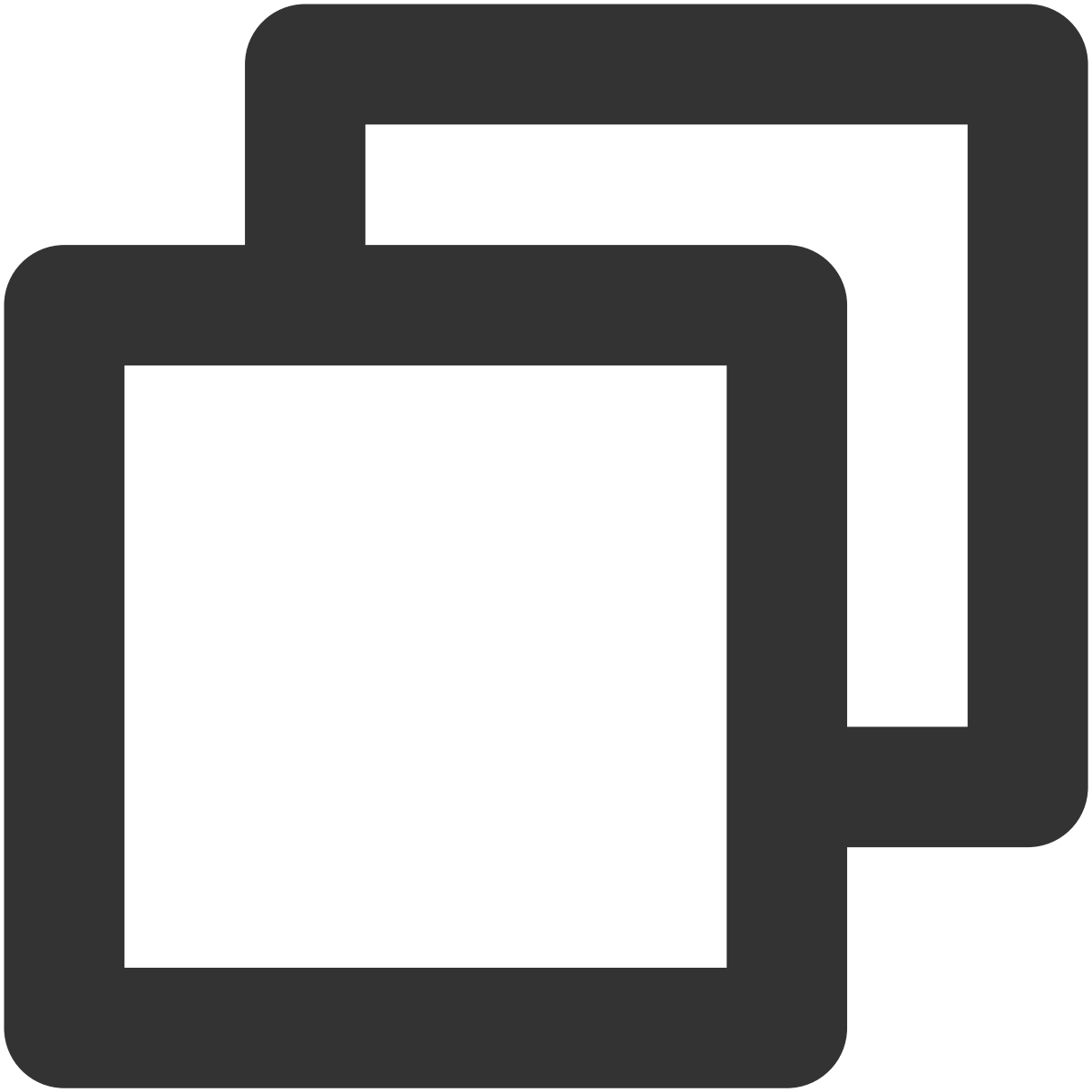
Overview

This API is used to disable the Guetzli compression feature.

Request

Sample request

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```
DELETE /?guetzli HTTP/1.1
Host: <BucketName-APPID>.pic.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

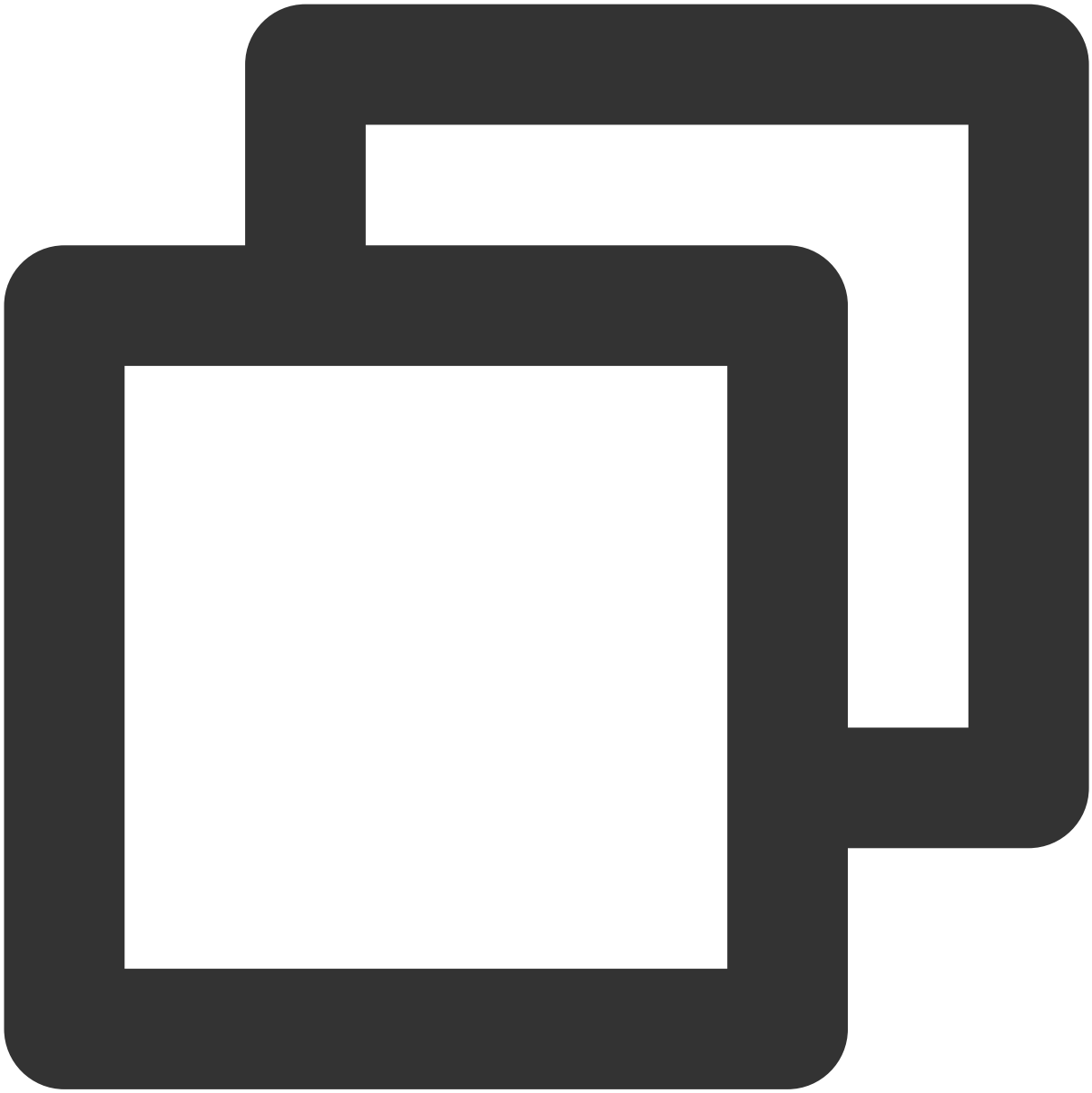
Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request line



```
DELETE /?guetzli HTTP/1.1
```

This API accepts `DELETE` requests.

Request headers

Common request headers

This API uses common request headers. For more information, please see Common Request Headers.

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Non-common request headers

This API does not use any non-common request header.

Request body

The request body of this request is empty.

Response

Response headers

Common response headers

This API uses common response headers. For more information, please see Common Response Headers.

Non-common response headers

This API does not use any non-common response header.

Response body

The response body returned is empty.

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WebP Compression

Last updated：2024-02-18 10:36:35

Feature Description

Image compression is the process of downsizing an image as much as possible without sacrificing quality so that it can be stored at a lower cost and accessed more quickly.
CI launched the WebP compression feature to convert images to .webp format, which is superior to .jpg in terms of compression. A .webp image is over 25% smaller than a .jpg image with the same quality. This format is suitable for multi-terminal use cases.

Restrictions

Format: Images in JPG, PNG, BMP, GIF, HEIF, or AVIF format can be converted to WebP format.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

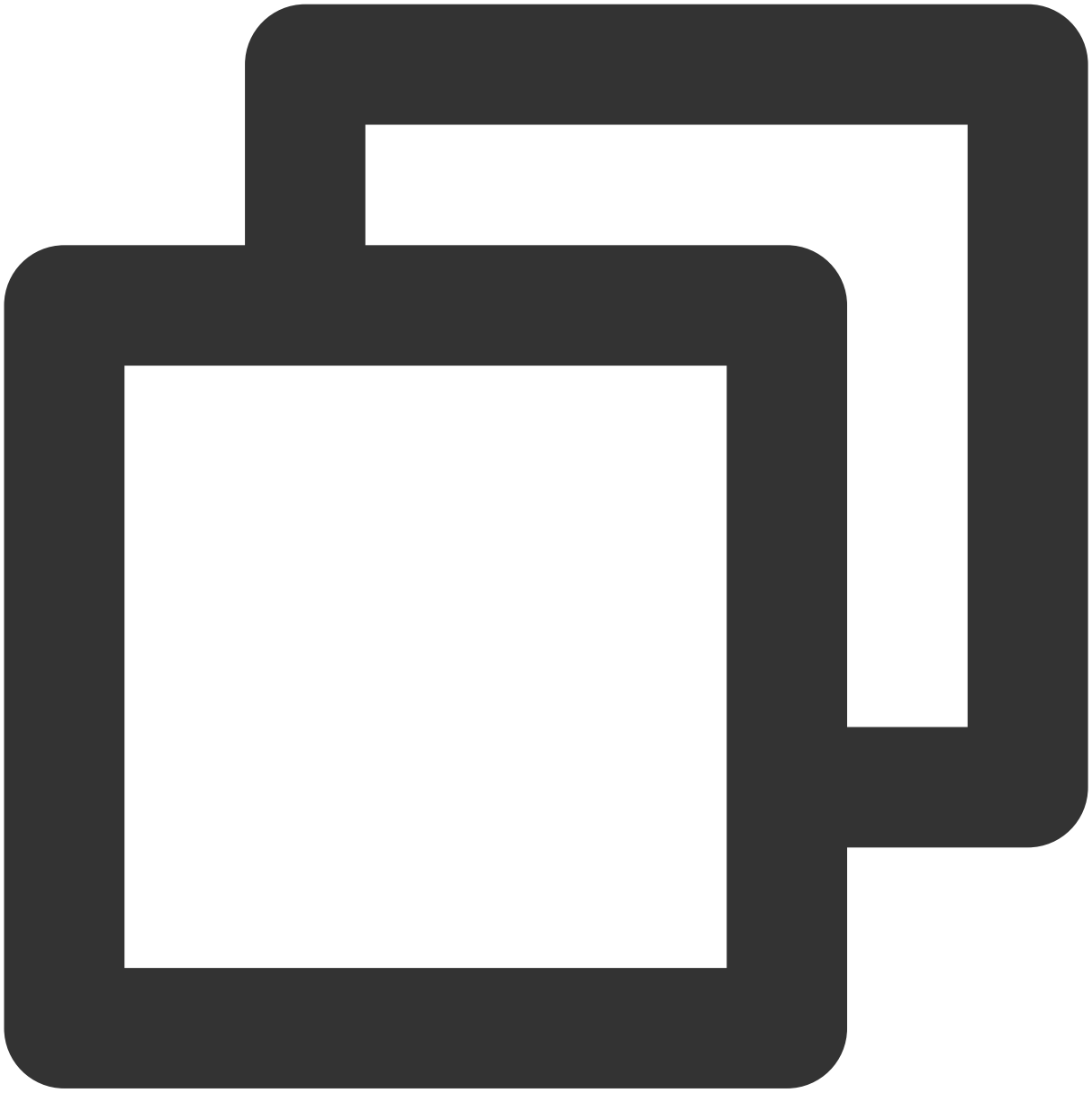
Directions

CI uses the `imageMogr2` API to provide the WebP compression feature.
This feature supports processing:
During download
During upload
In the cloud
Note:
WebP compression is billed at basic image processing prices. For detailed pricing, see Image Processing Fees.
If an image is converted to WebP format, some browsers may not be able to read its EXIF data. As a result, the image cannot be rotated. You can add the `auto-orient` parameter to rotate the input image first before compressing it (see Rotation) .
WebP compression inherits the quality parameters of the input image by default. You can adjust the compression ratio by modifying the image quality as instructed in Quality Change.

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API Sample

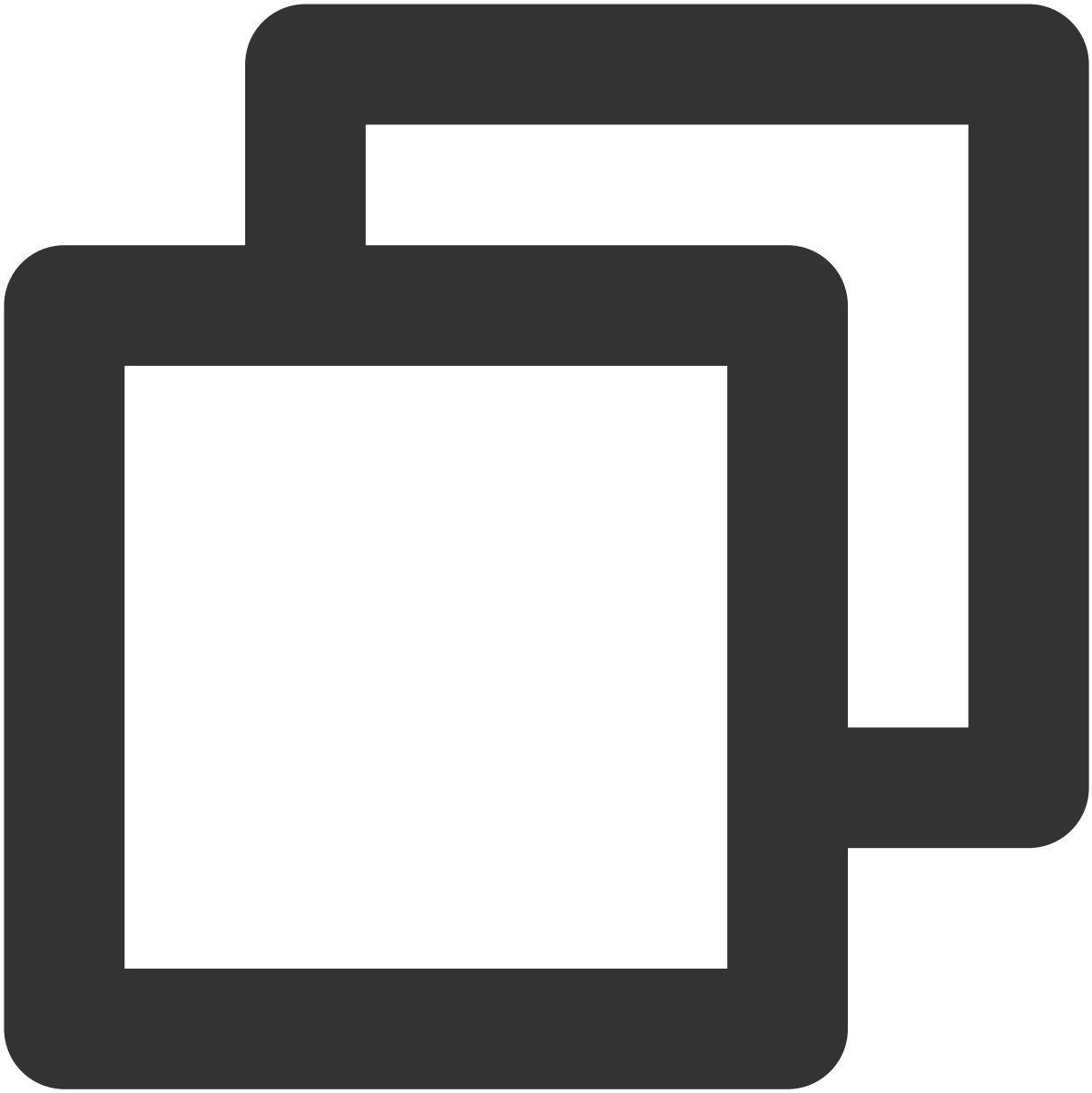
1. Processing during download



```
GET /<ObjectKey>?imageMogr2/format/webp HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/webp"
}]
```

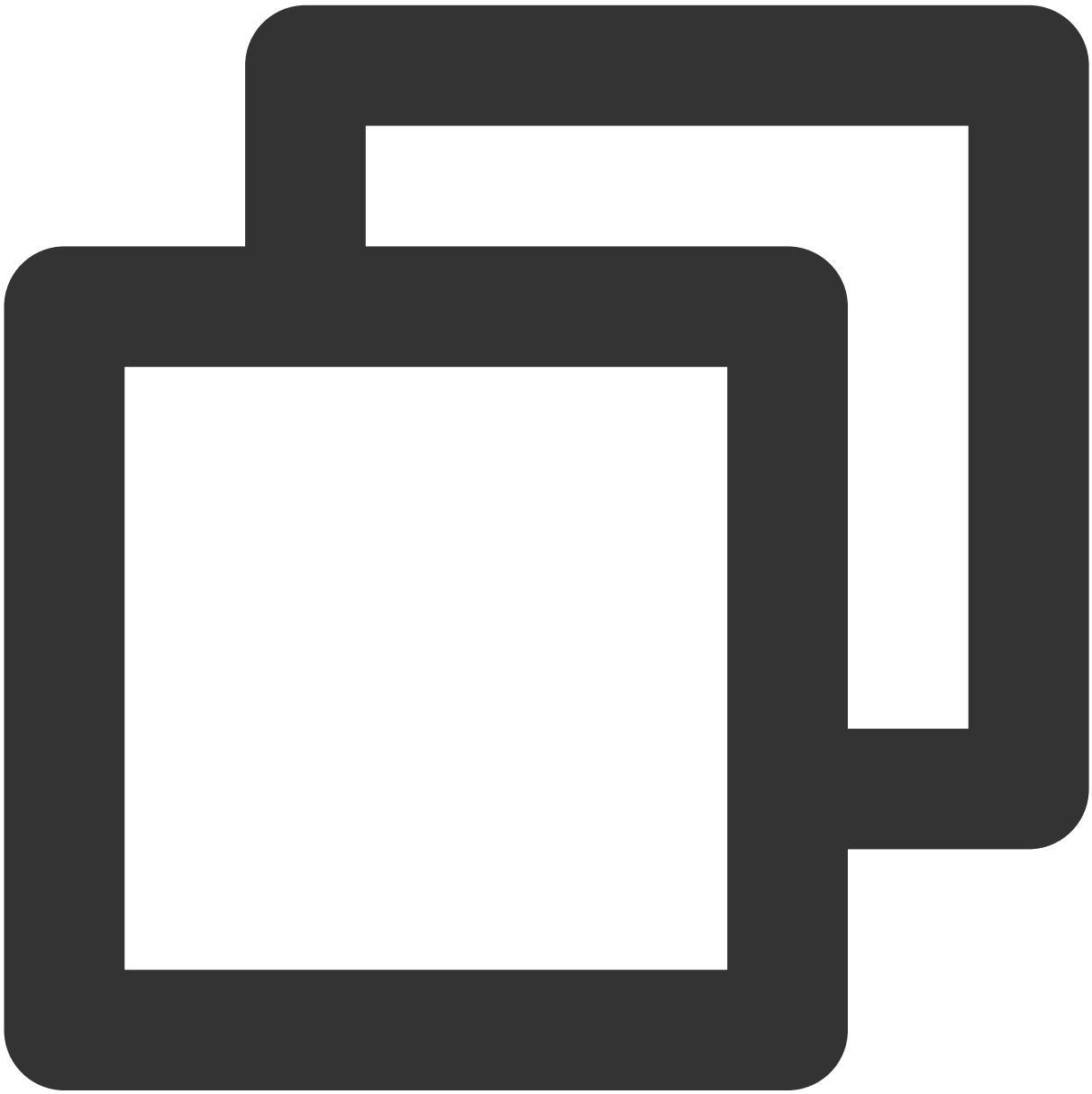
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/webp"
}]
}
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/format/<Format>	Compression format, which is `webp` here.

Samples

Note:

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, use **processing during upload** or **processing in-cloud data** instead.

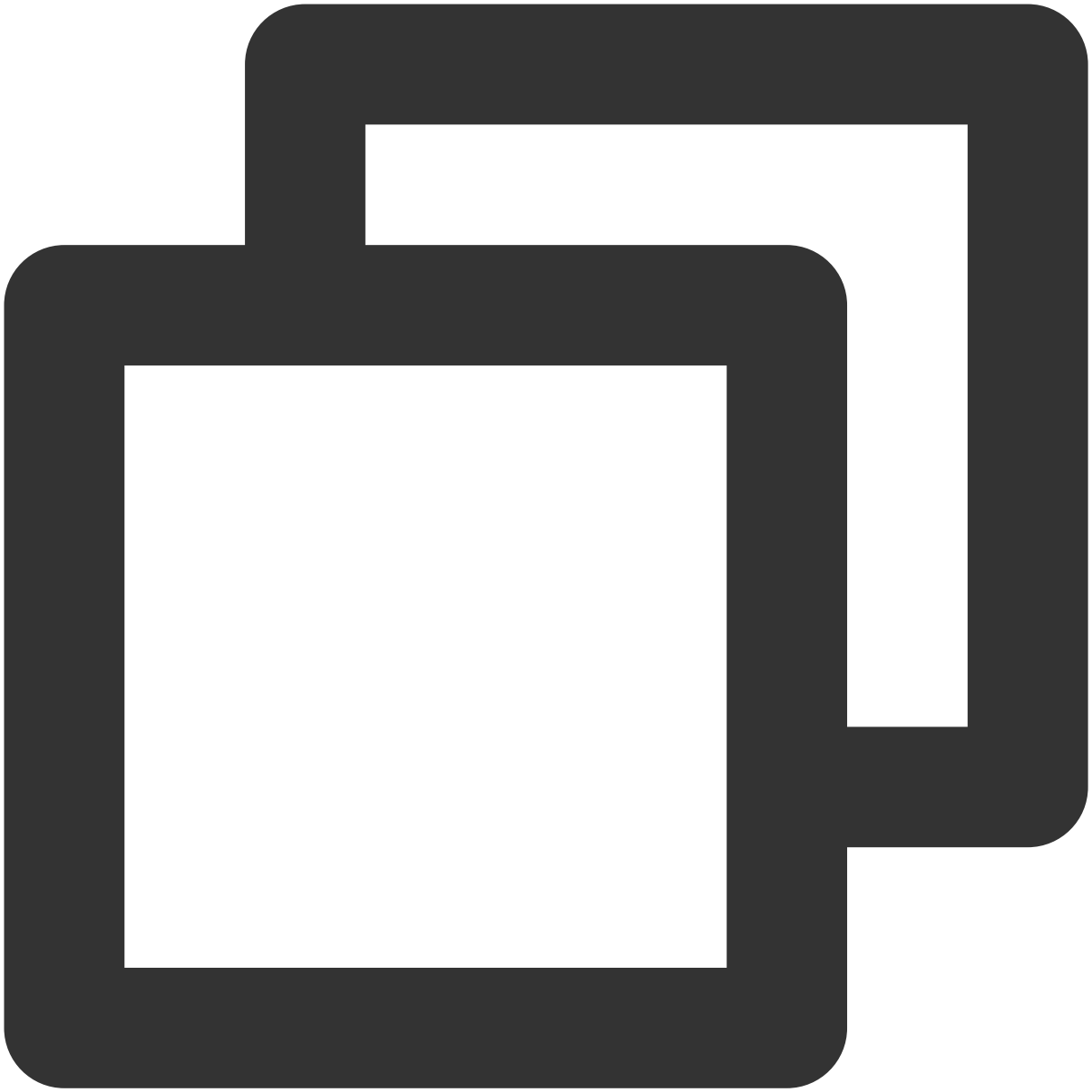
Assume the input image is a 1,335.2 KB image in PNG format.

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You can convert the image to WebP format by using the following request URL:

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```
http://example-1258125638.cos.ap-shanghai.myqcloud.com/sample.png?imageMogr2/format
```

Output:

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Compression ratio comparison

Format	Image Size
PNG (input image)	1,335.2 KB
WebP	65 KB (compression ratio: 95.13%)

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HEIF Compression

Last updated：2024-02-18 10:36:35

Feature Overview

Image compression is the process of downsizing an image as much as possible without sacrificing quality so that it can be stored at a lower cost and accessed more quickly.
CI launched the HEIF compression feature to convert images into HEIF format that offers an ultra-high compression ratio. HEIF offers over 80% smaller file sizes at the same quality compared with JPG. iOS has adopted HEIF as the default image format, and Android P has native support for this format.

Restrictions

Format: Images in JPG, PNG, BMP, WebP, TPG, AVIF, or other formats can be converted into HEIF.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels. For an input animated image, the total number of pixels (Width x Height x Number of frames) cannot exceed 250 million pixels.
Number of frames (for animated images): For GIF, the number of frames cannot exceed 300.

Preparation

To use HEIF compression, enable the image advanced compression feature for your bucket on the bucket's configuration page. For more information, see Setting Image Advanced Compression.

Use Directions

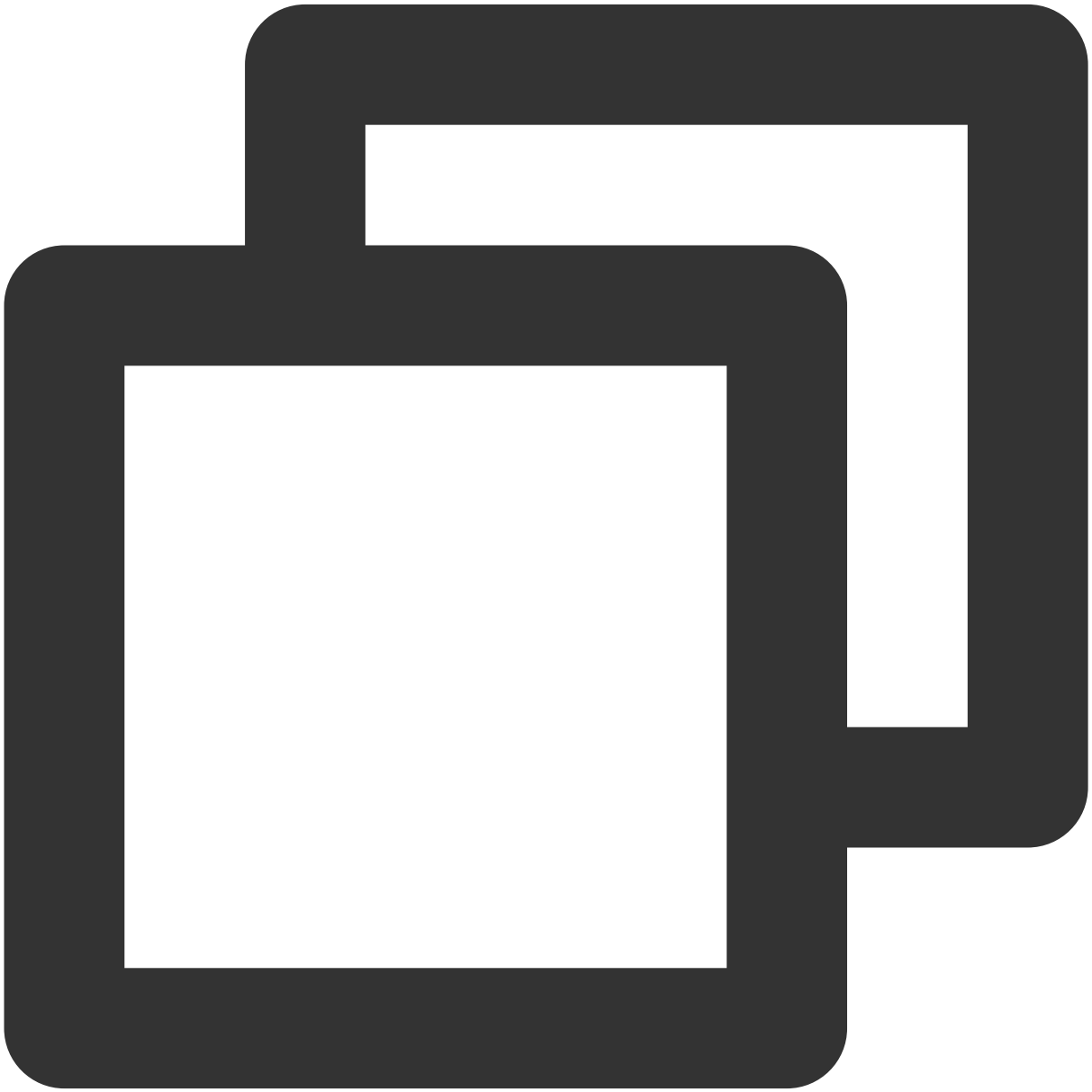
CI uses the **imageMogr2** API to provide the HEIF compression feature.
An image can be processed:
Upon download
Upon upload
In cloud
Note:

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HEIF compression is billed at the image advanced compression ratio. For detailed pricing, see Image Processing Fees.

API Format

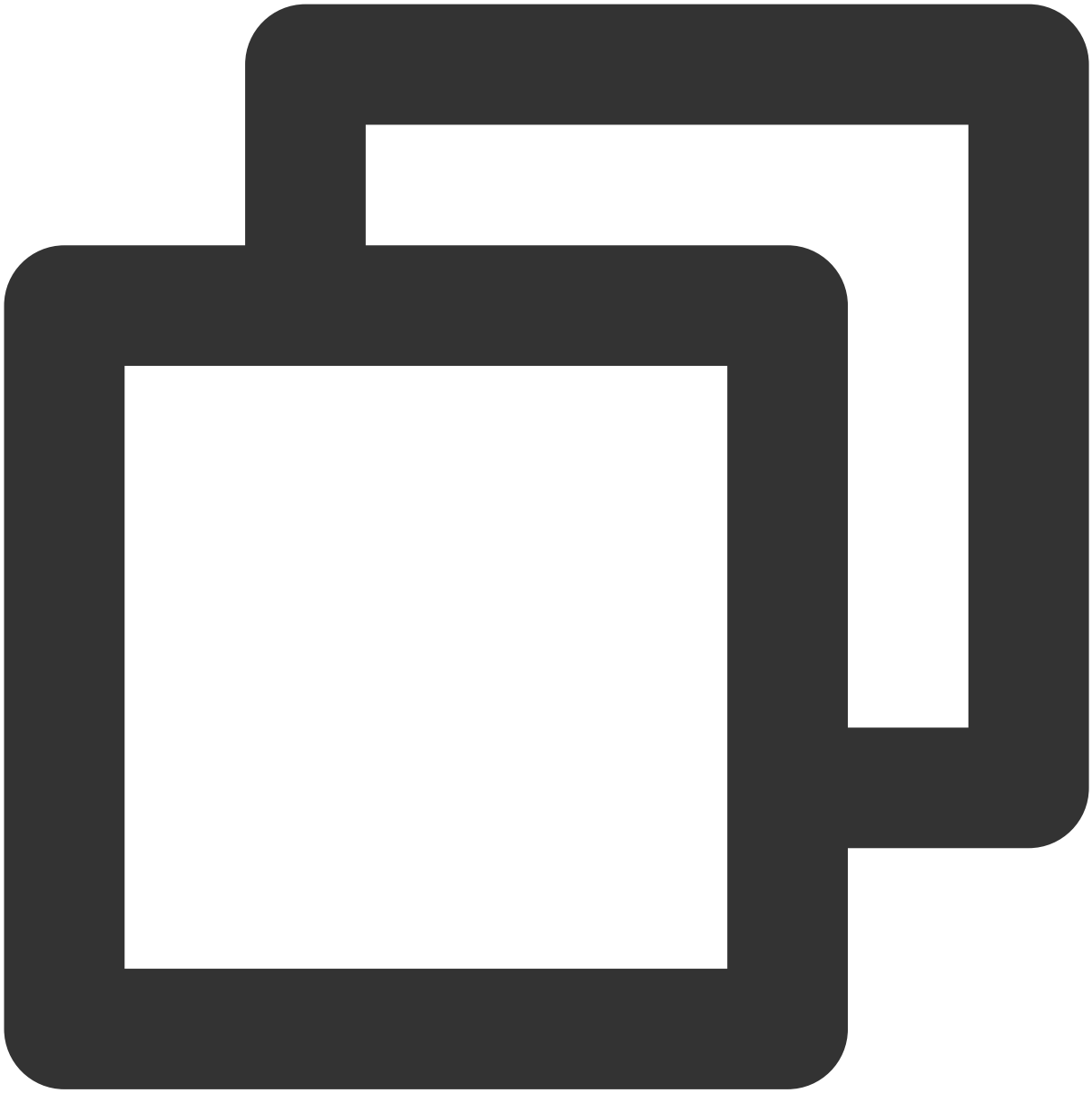
1. Processing upon download



```
download_url?imageMogr2/format/heif
```

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2. Processing upon upload



```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
```

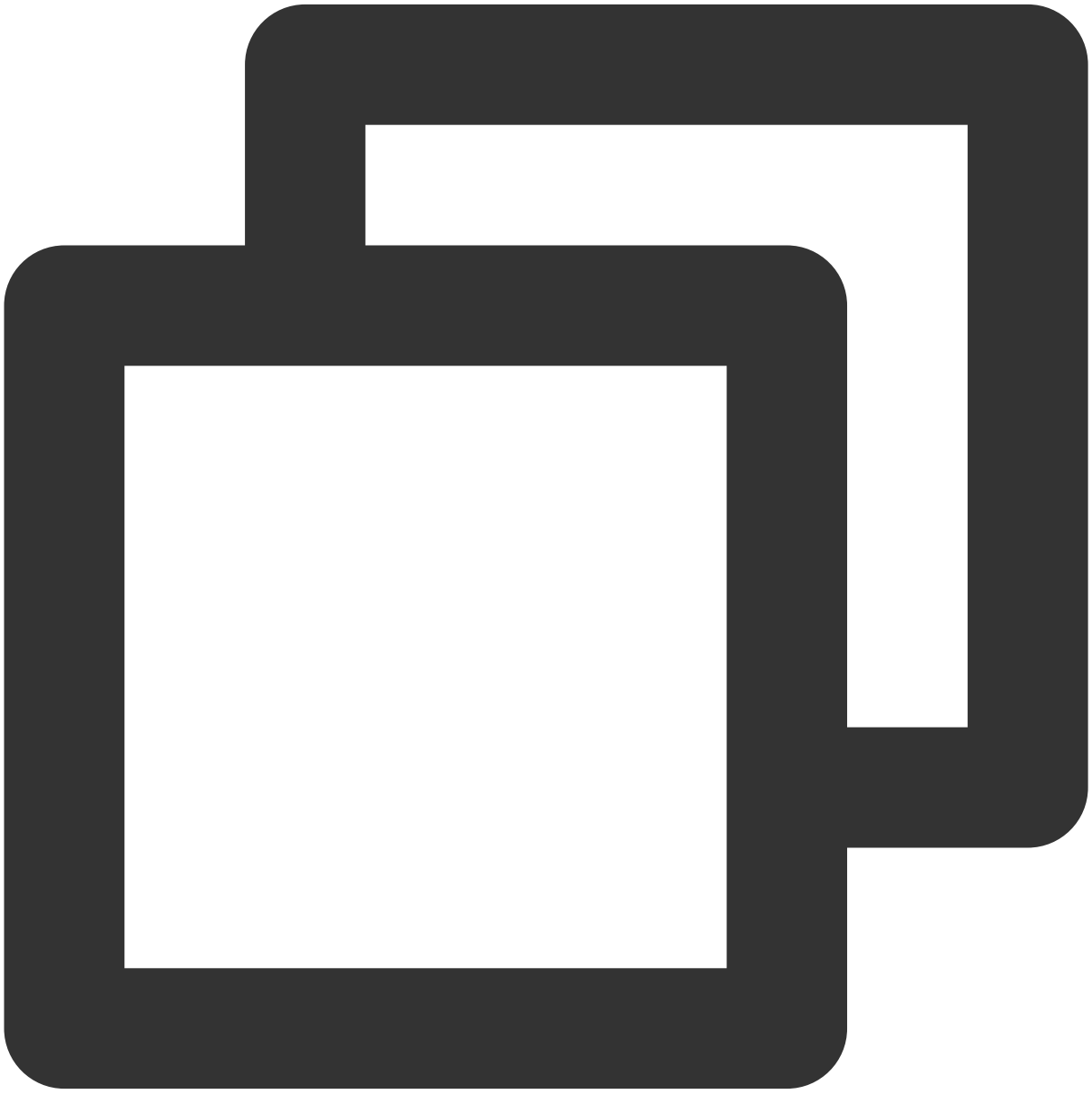
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```
    "rule": "imageMogr2/format/heif"
}]
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
```

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```
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/heif"
}]
}
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted.

Parameters

Parameter	Description
download_url	URL of the input image, formatted as `<BucketName-APPID>.cos.<Region>.myqcloud.com/<picture name>` Example: `examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/picture.jpeg`
/format/<Format>	Compression format, which is `heif`

Examples

Note:

Processing upon download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, use **Processing upon upload** or **Processing in-cloud data** instead.

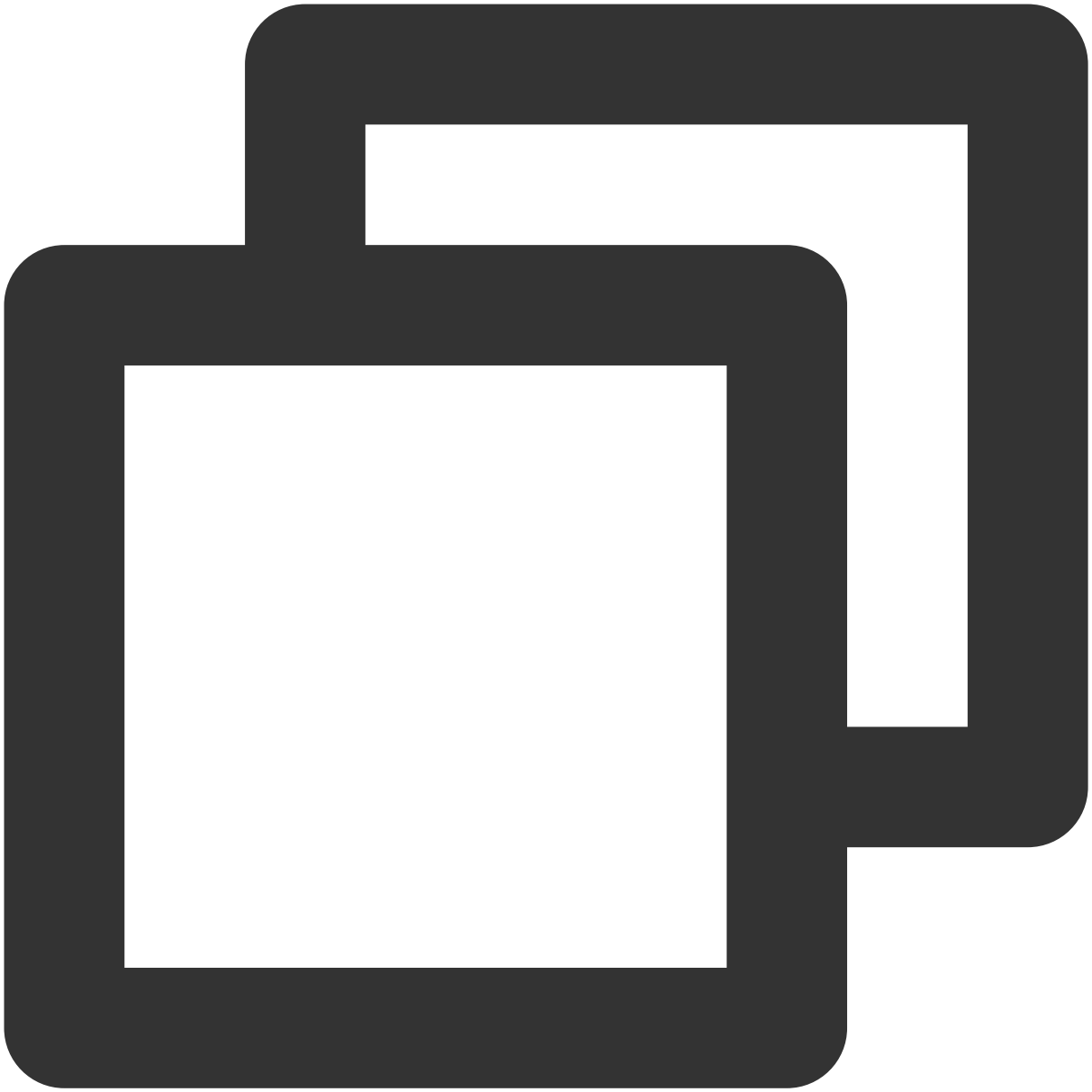
Assume that the input image is a 1,335.2 KB image in PNG format, as shown below:

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You can convert the image into HEIF format by using the following URL:

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```
http://example-1258125638.cos.ap-shanghai.myqcloud.com/sample.png?imageMogr2/format
```

Compression ratio comparison

Format	Image Size
PNG (input image)	1,335.2 KB
HEIF	52.87 KB (compression ratio: 96.0%)

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TPG Compression

Last updated：2024-02-18 10:36:35

Feature Description

Image compression is the process of downsizing an image as much as possible without sacrificing quality so that it can be stored at a lower cost and accessed more quickly.
CI launched the TPG compression feature. It converts images to the .tpg format, which is a proprietary image format launched by Tencent and supports animated images. Currently, QQ Browser, Qzone, and other Tencent products support .tpg by default. A .tpg image is over 90% or 50% smaller than a .gif or .png image with the same quality, respectively.

Restrictions

Format: Images in JPG, PNG, BMP, GIF, WebP, HEIF, or AVIF format can be converted to TPG format.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.
Frames (for animated images): For GIF images, the number of frames cannot exceed 300.

Prerequisites

To use TPG compression, enable the image advanced compression feature for your bucket on its configuration page. For more information, see Setting Image Advanced Compression.
TPG is Tencent's proprietary image format. To use it, ensure that **the environment where images are loaded supports TPG decoding**. CI provides the TPG decoder-integrated SDKs for iOS, Android to facilitate quick integration with TPG.

Directions

CI uses the `imageMogr2` API to provide the TPG compression feature.
This feature supports processing:
During download

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During upload

In the cloud

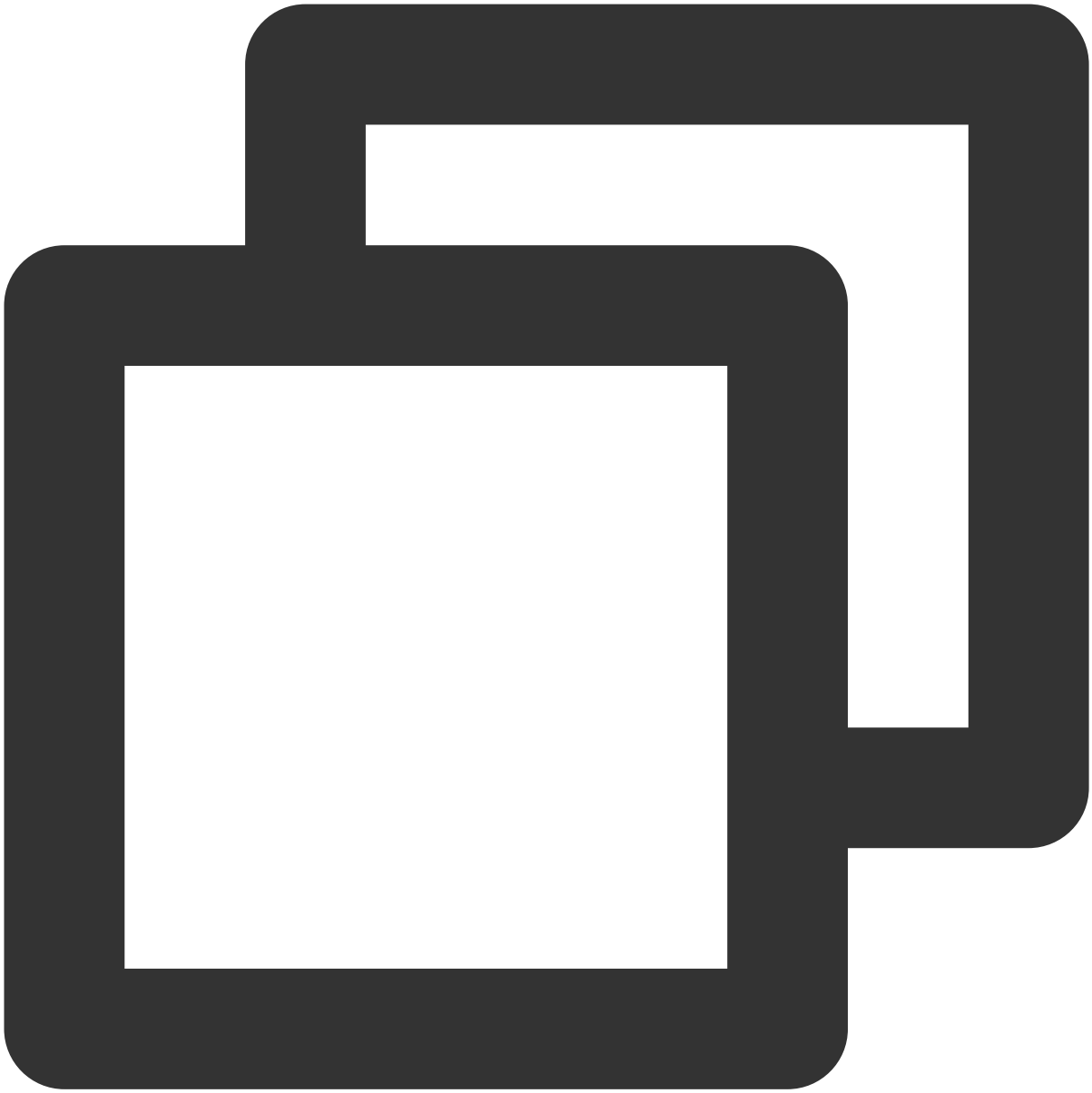
Note

TPG compression is billed at image advanced compression prices by CI. For detailed pricing, see Image Processing Fees.

API Sample

1. Processing during download

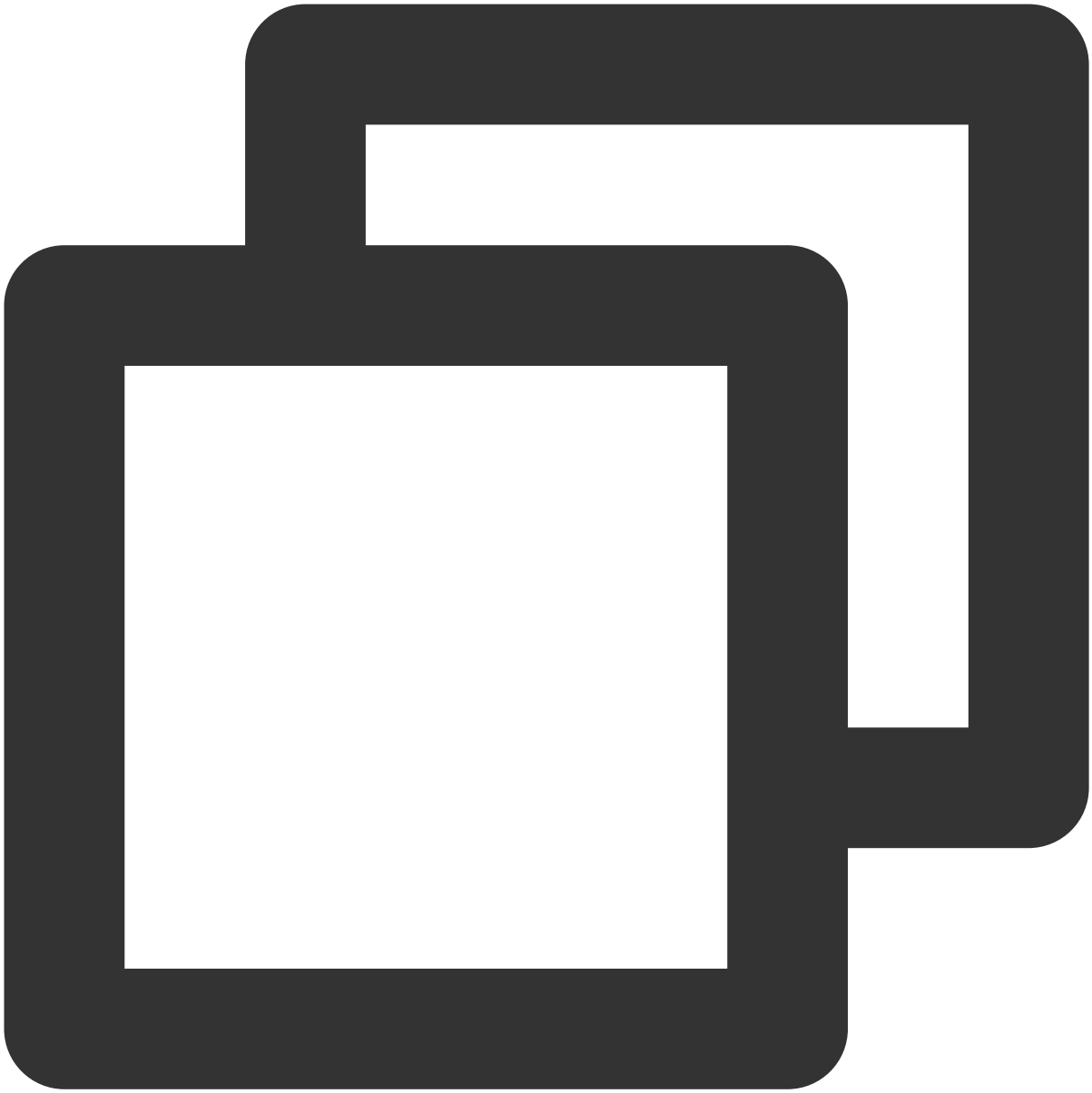
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```
GET /<ObjectKey>?imageMogr2/format/tpg HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing during upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/tpg"
}]
```

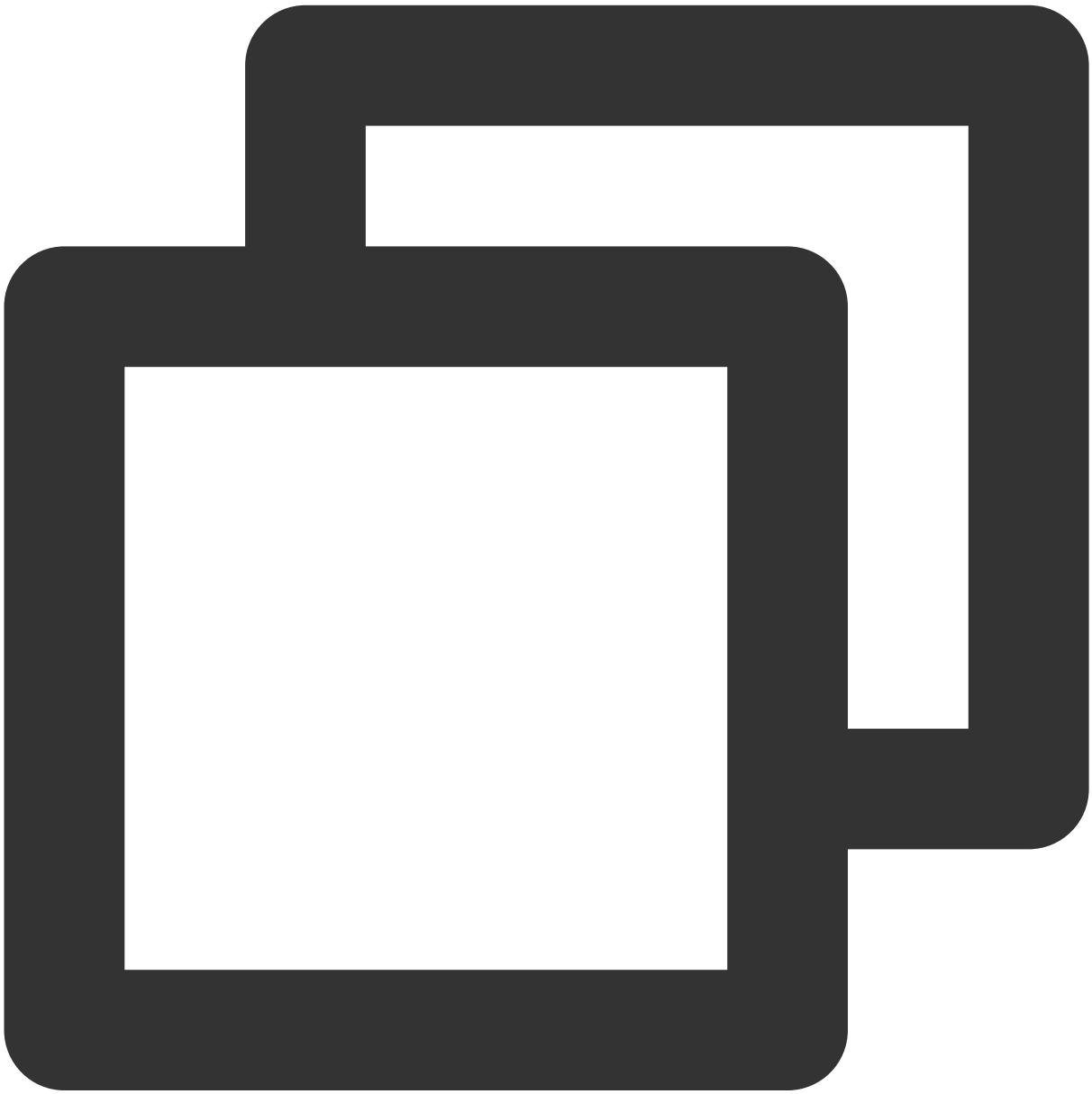
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```
}
```

Note

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/tpg"
}]
}
```

Note

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Parameters

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/format/<Format>	Compression format, which is `tpg` here.

Samples

Note

Processing during download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, use **processing during upload** or **processing in-cloud data** instead.

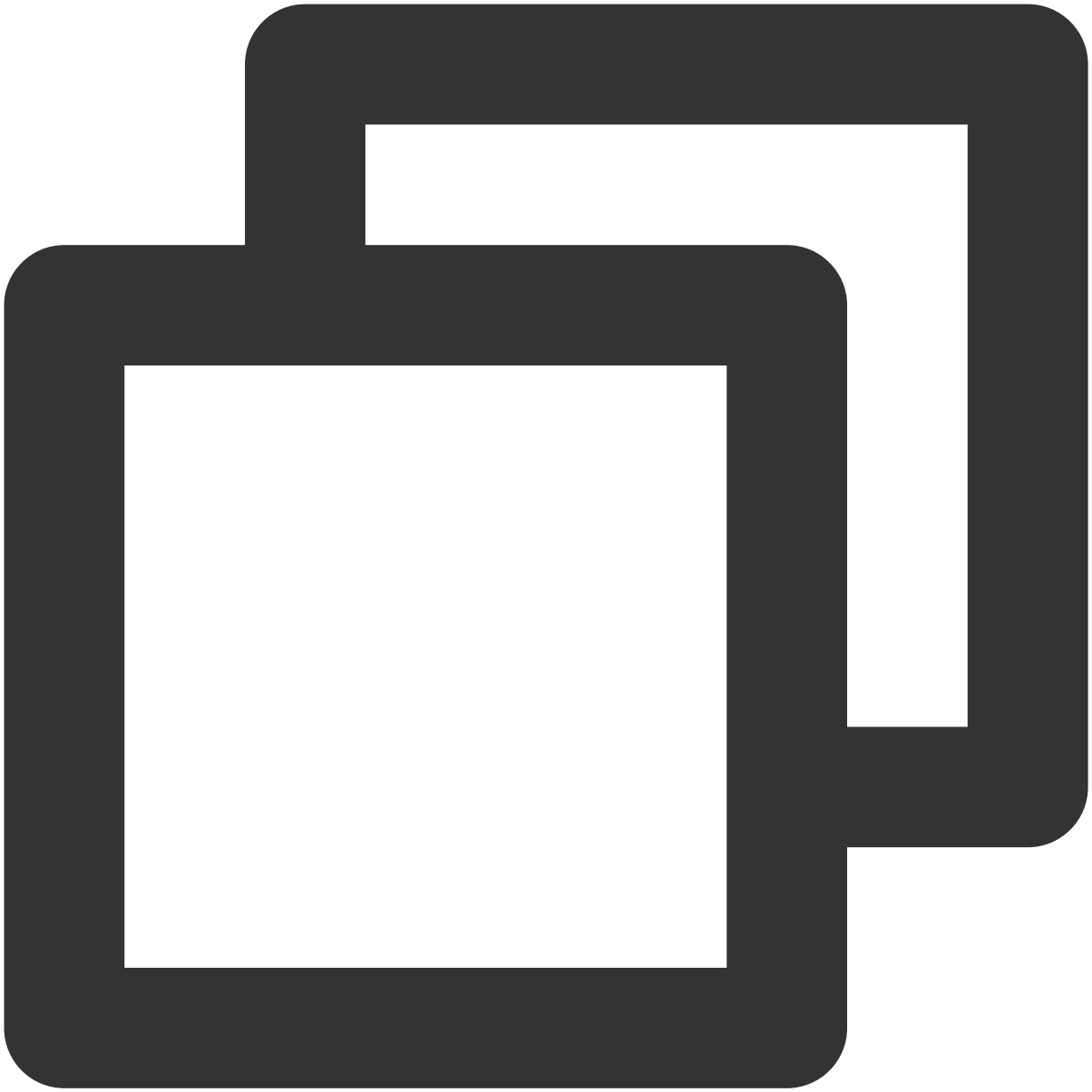
Assume the input image is a 1,335.2 KB image in PNG format.

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You can convert the image to TPG format by using the following request URL:

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```
http://example-1258125638.cos.ap-shanghai.myqcloud.com/sample.png?imageMogr2/format
```

Compression ratio comparison

Format	Image Size
PNG (input image)	1,335.2 KB
TPG	36.67 KB (compression ratio: 97.3%)

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AVIF Compression

Last updated：2024-02-18 10:36:35

Overview

Image compression is the process of downsizing an image as much as possible without sacrificing quality so that it can be stored at a lower cost and accessed more quickly.
CI launched the AVIF compression feature. It converts images to the .avif format, which is a new image format launched by Netflix based on AV1 in February 2020 and currently is supported by browsers such as Chrome and Firefox.

Restrictions

Format: Images in JPG, PNG, BMP, GIF, WebP, TPG, HEIF, or other formats can be converted into AVIF.
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels. For an input animated image, the total number of pixels (Width x Height x Number of frames) cannot exceed 250 million pixels.
Number of frames (for animated images): For GIF, the number of frames cannot exceed 300.

Prerequisites

To use AVIF compression, enable the image advanced compression feature for your bucket on the bucket's configuration page. For more information, see Image Advanced Compression.

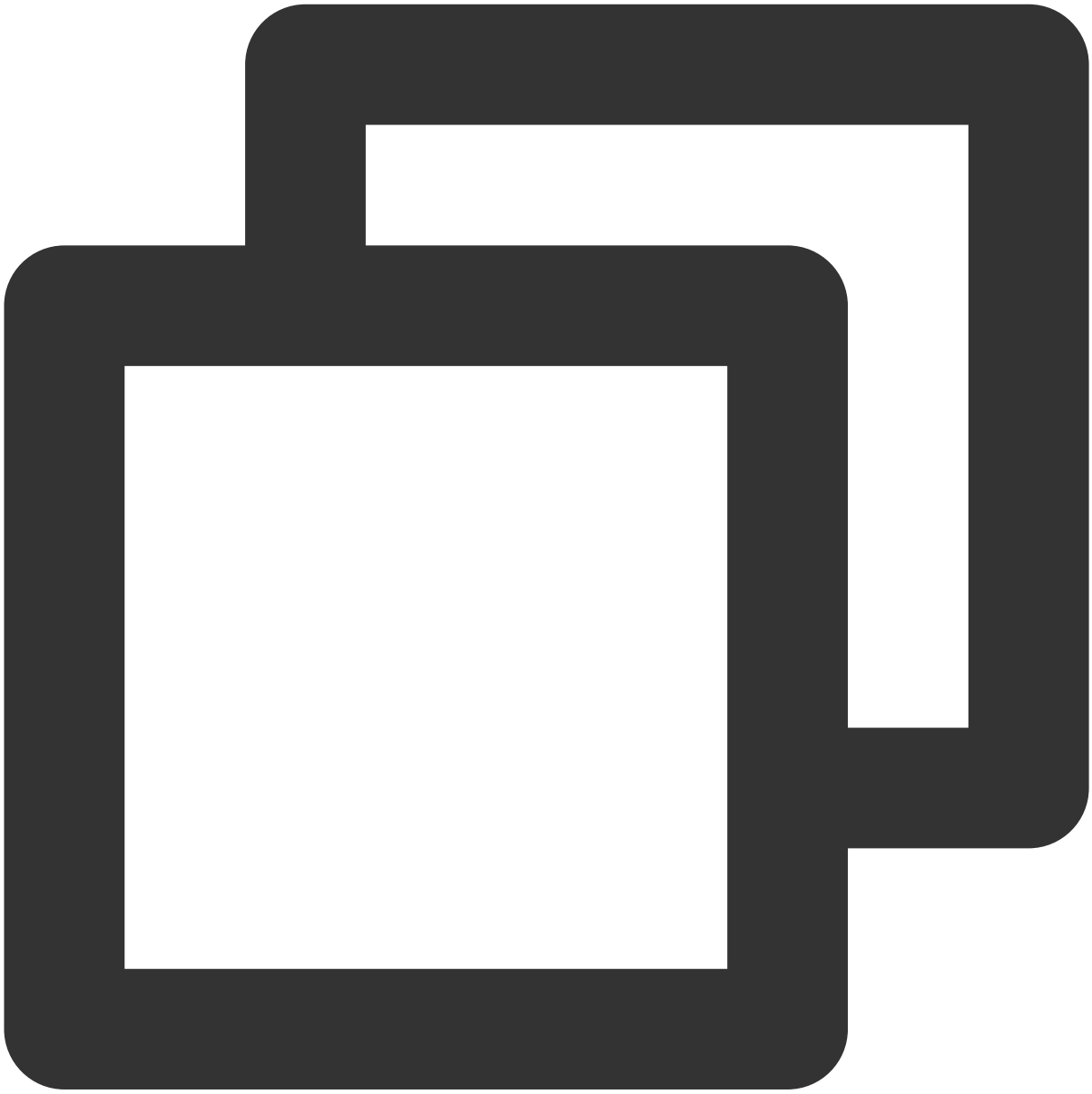
Directions

CI uses the **imageMogr2** API to provide the AVIF compression feature.
An image can be processed:
Upon download
Upon upload
In cloud
Note:
AVIF compression is billed at image advanced compression prices. For detailed pricing, see Image Processing Fees.

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API Format

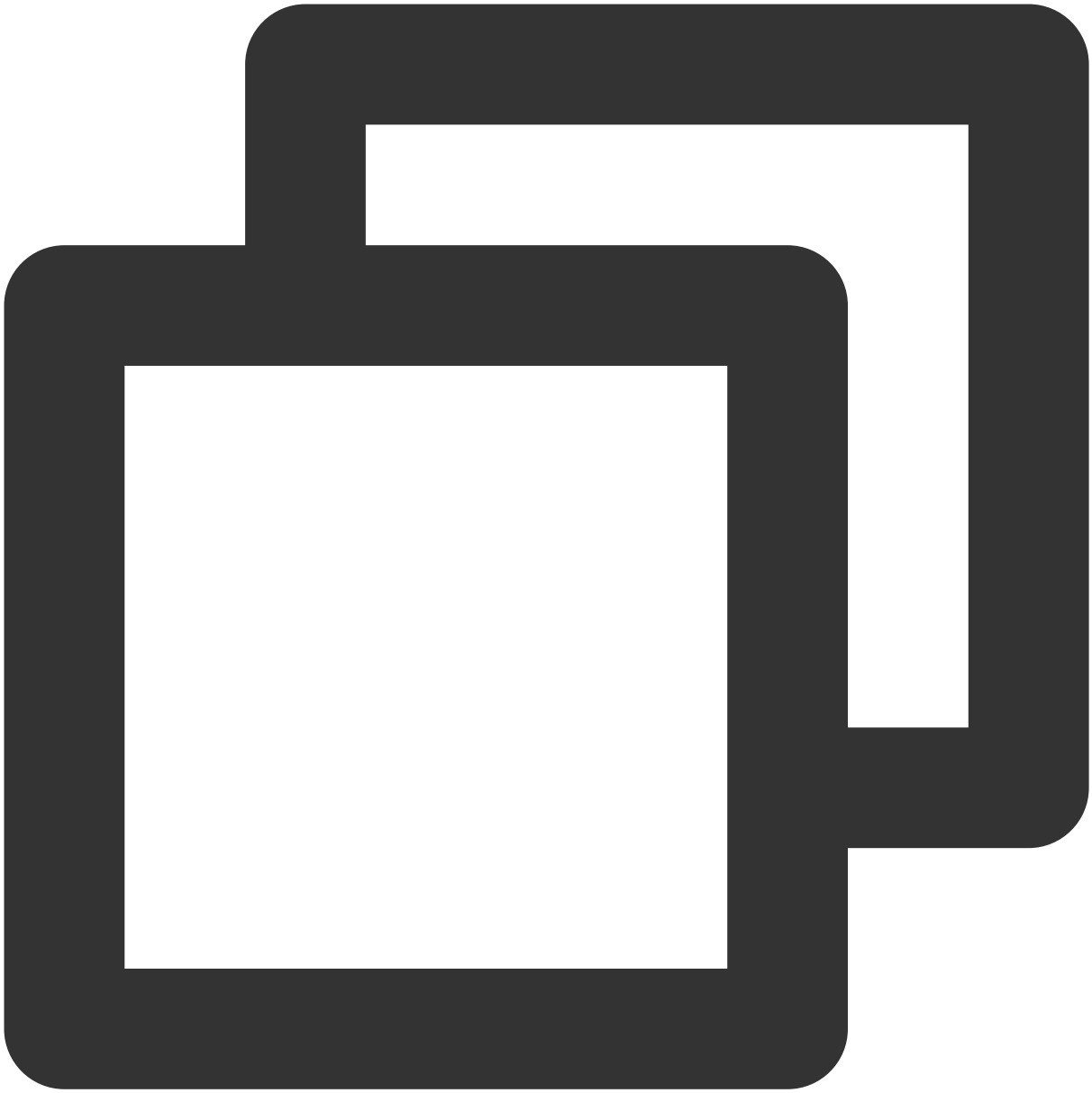
1. Processing upon download



```
GET /<ObjectKey>?imageMogr2/format/avif HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing upon upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/avif"
}]
```

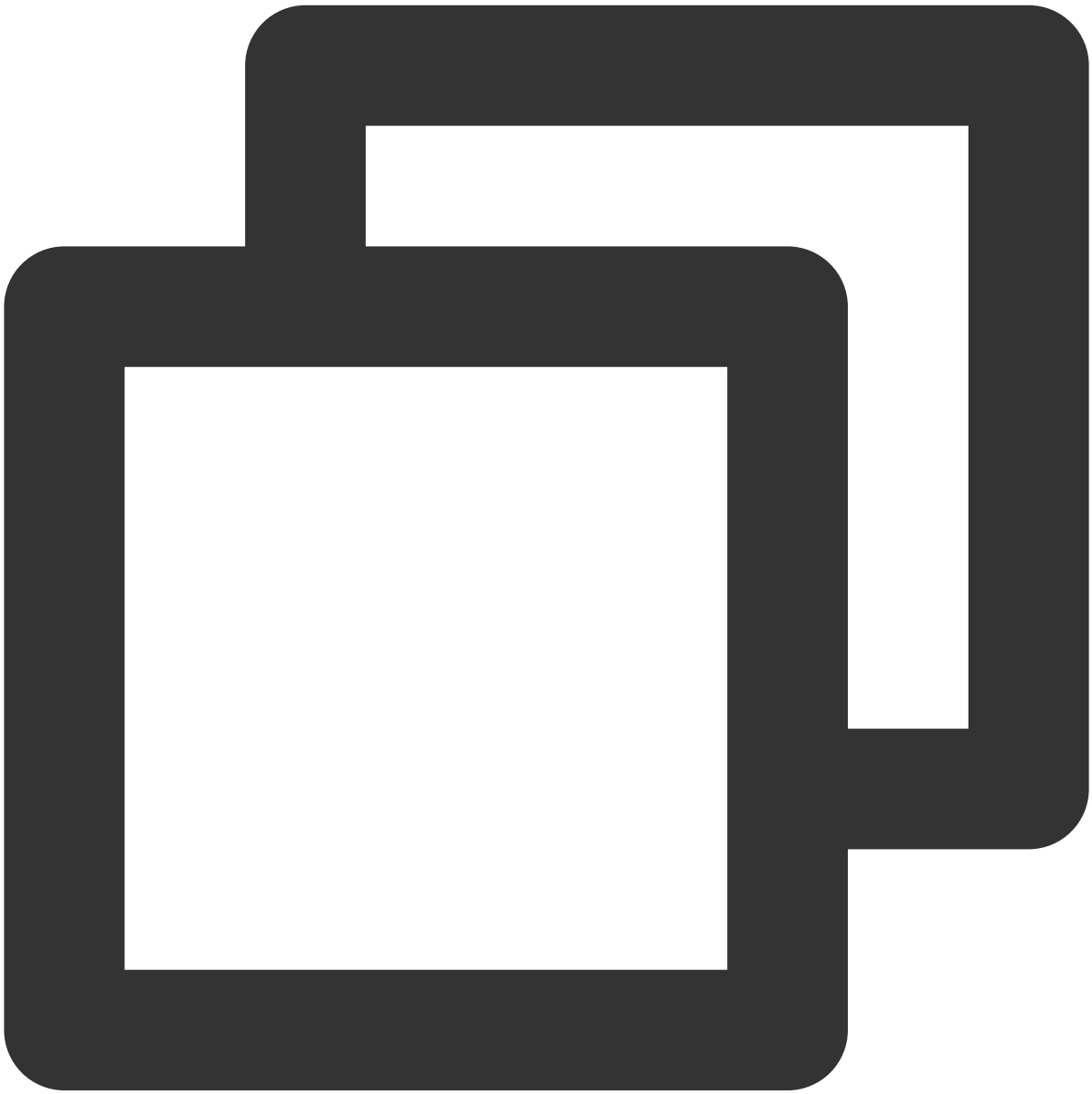
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/avif"
}]
}
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Parameters

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/format/<Format>	Compression format, which is `avif`

Examples

Note:

Processing upon download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, use **Processing upon upload** or **Processing in-cloud data** instead.

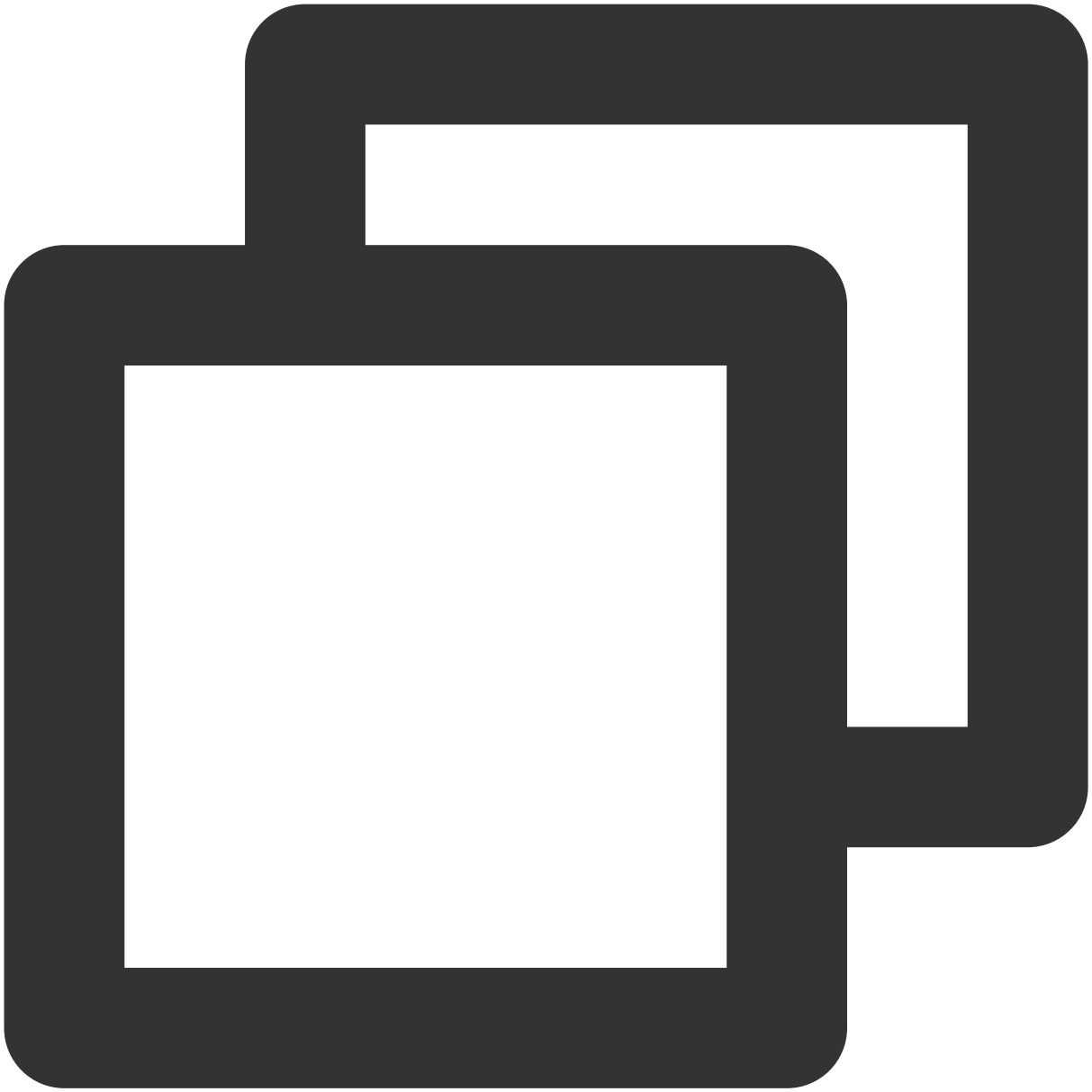
Assume that the input image is a 1,335.2 KB image in PNG format, as shown below:

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You can convert the image into AVIF format using the following URL:

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```
http://example-1258125638.cos.ap-shanghai.myqcloud.com/sample.png?imageMogr2/format
```

Compression ratio comparison

Format	Image Size
PNG (input image)	1,335.2 KB
AVIF	62.8 KB (compression ratio: 95.3%)

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Advanced Compression

Last updated：2024-02-18 10:36:35

Overview

CI's advanced compression feature allows you to easily convert images into formats that provide a high compression ratio, such as TPG and HEIF. This effectively reduces the transmission time, loading time, and the use of bandwidth and traffic.

An image can be processed:

Upon download

Upon upload

In cloud

Feature	Description
TPG compression	TPG is a Tencent-designed image format. Converting JPG, PNG, or WebP images into TPG greatly reduces the image sizes.
HEIF compression	If your images are used in iOS environments, you can convert them from JPG, PNG, GIF, WebP, or other formats into HEIF, which offers an ultra-high compression ratio.

Note:

To use Image Advanced Compression, you need to enable it on the bucket configuration page. For more information, please see Image Advanced Compression.

To use the TPG format, ensure that **the environment where images are loaded supports TPG decoding**. CI provides TPG decoder-integrated SDKs for iOS, Android, and Windows clients to facilitate quick integration with TPG.

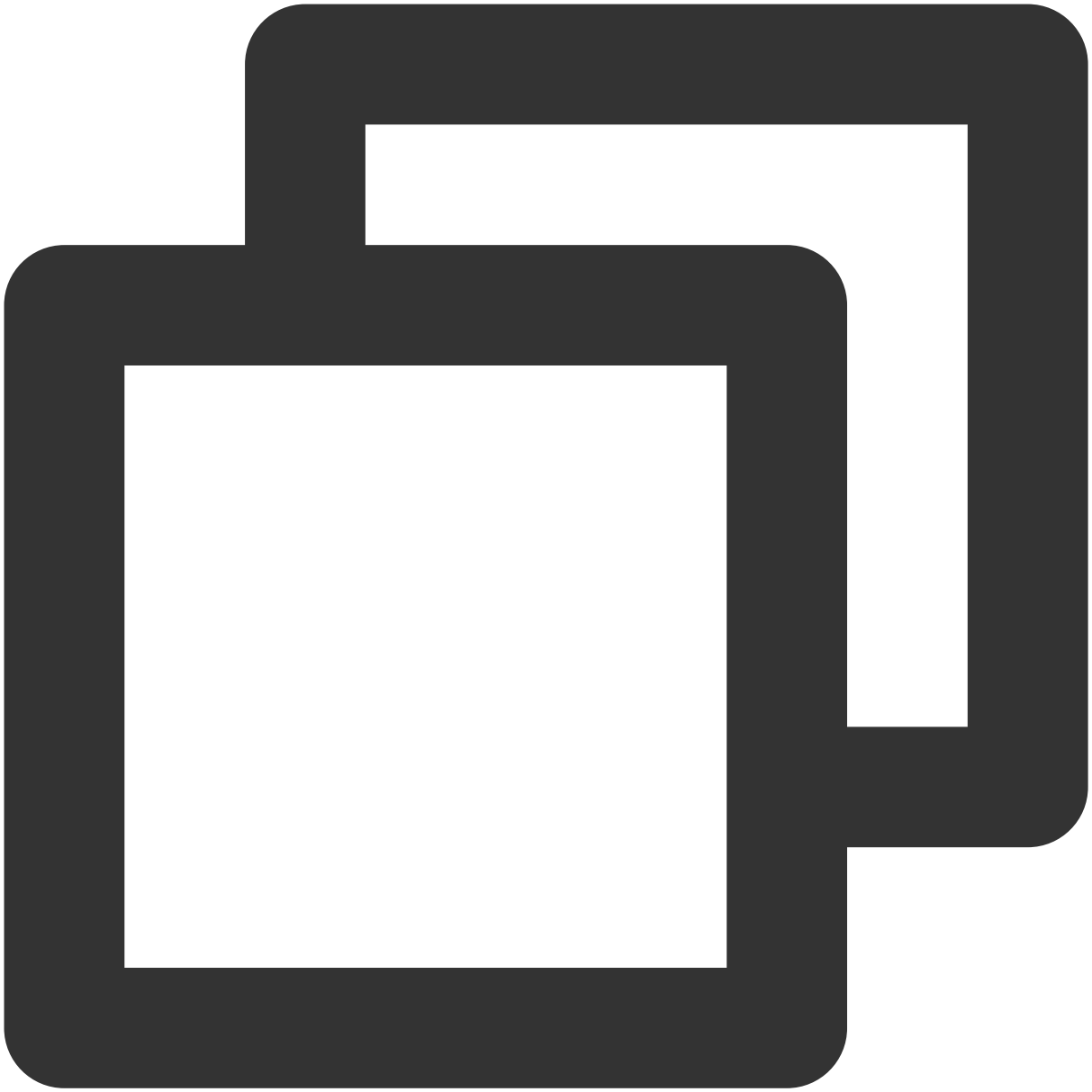
Currently, iOS 11 or later and Android P have native support for the HEIF format.

For the pricing of Image Advanced Compression, please see Billing and Pricing.

API Format

1. Processing upon download

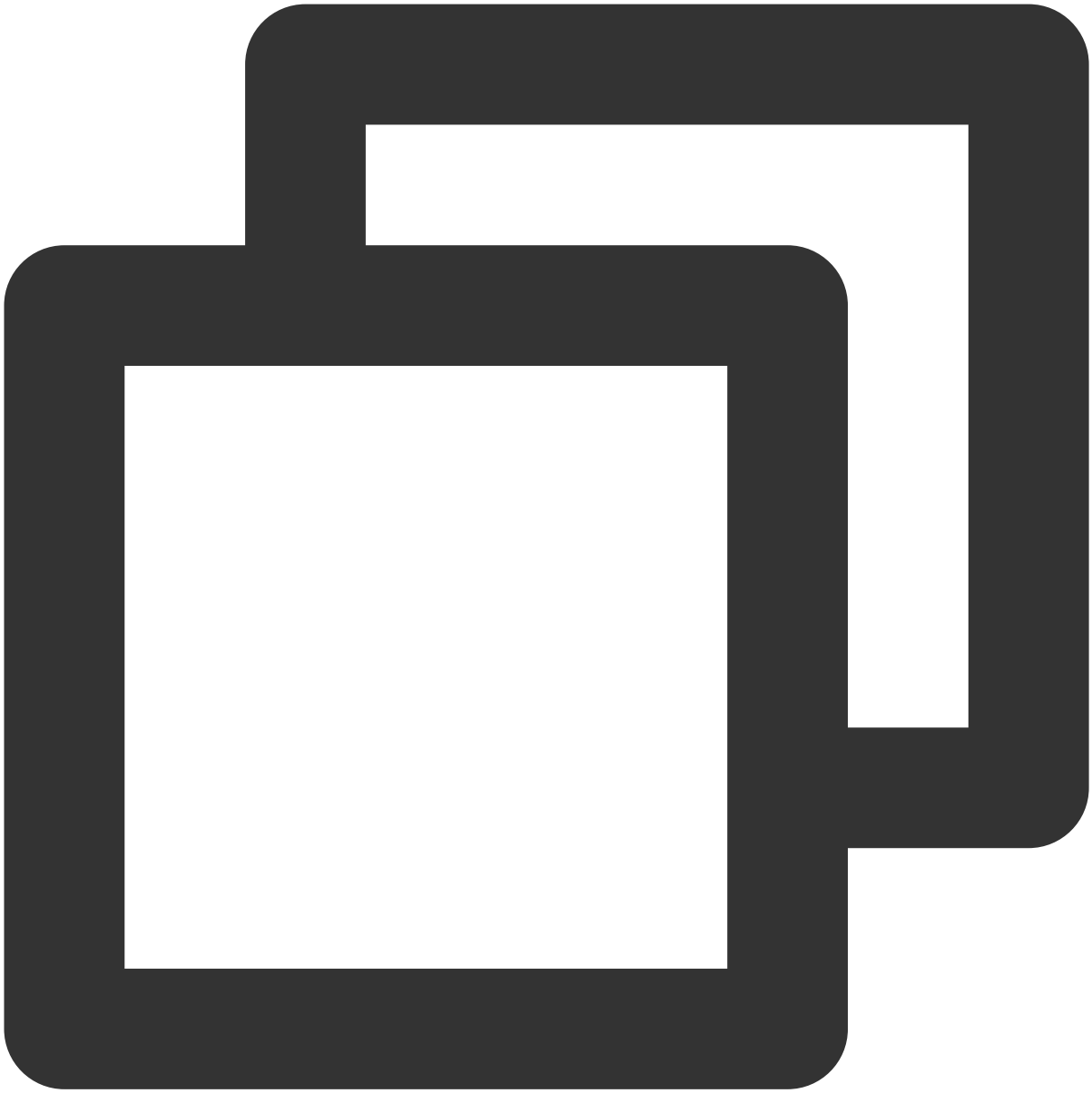
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```
download_url?imageMogr2/format/<Format>
```

2. Processing upon upload

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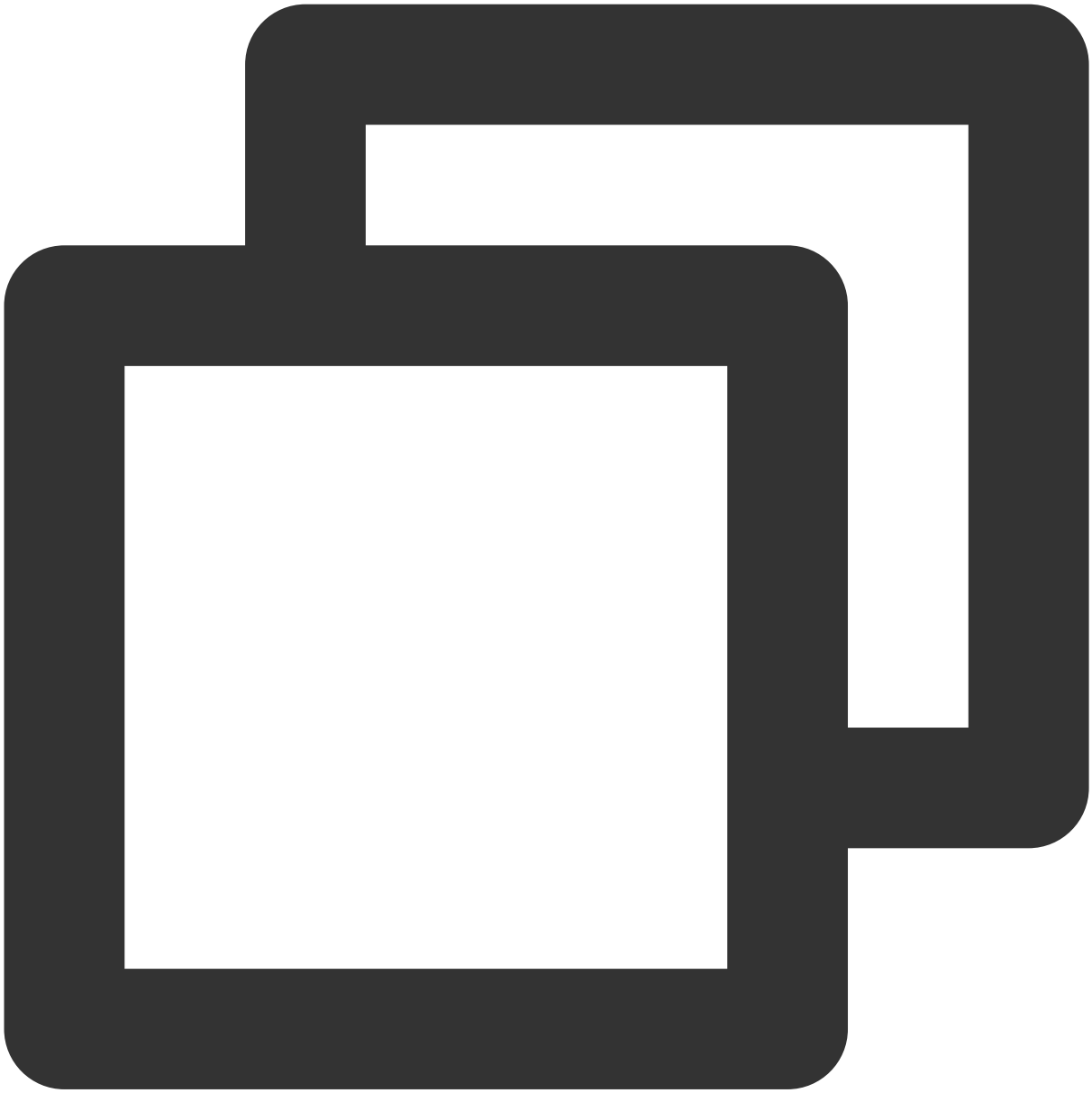


```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
  "is_pic_info": 1,
  "rules": [{
      "fileid": "exampleobject",
      "rule": "imageMogr2/format/<Format>"
  }]
```

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```
}
```

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations:
{
```

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```
    "is_pic_info": 1,
    "rules": [{
        "fileid": "exampleobject",
        "rule": "imageMogr2/format/<Format>"
    }]
}
```

Note:

Processing upon download is used as an example here, which does not store the output image in a bucket. If you need to store the output image, please see Persistent Image Processing and use **Processing upon upload** or **Processing in-cloud data**.

Parameters

Parameter	Description
download_url	URL of the input image, formatted as `<BucketName-APPID>.cos.<Region>.myqcloud.com/<picture name>` Example: `examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/picture.jpeg`
/format/<Format>	Target compression format, which can be TPG or HEIF

Examples

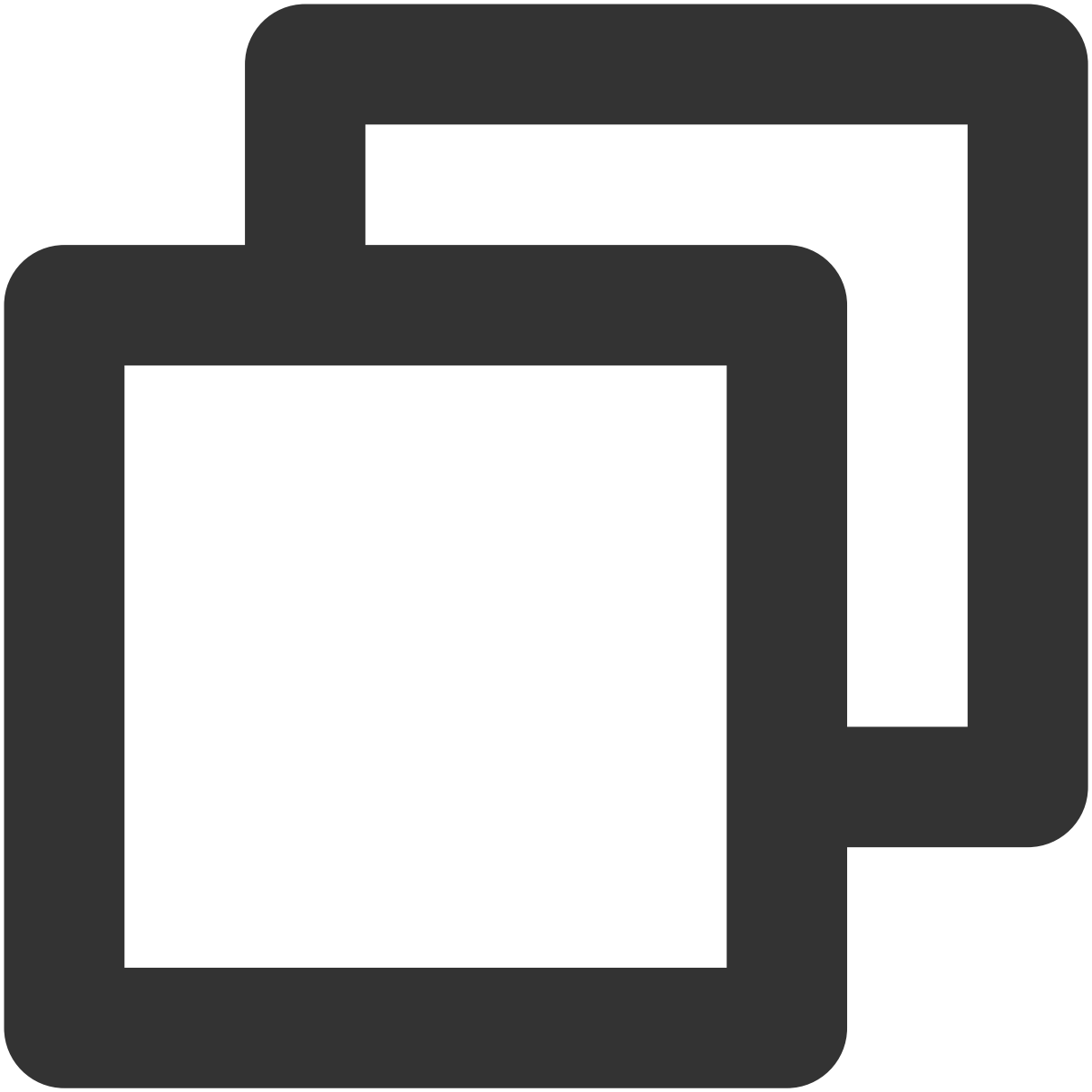
Assume that the input image is a 1,335.2 KB image in PNG format, as shown below:

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You can convert the image into TPG format using the following URL:

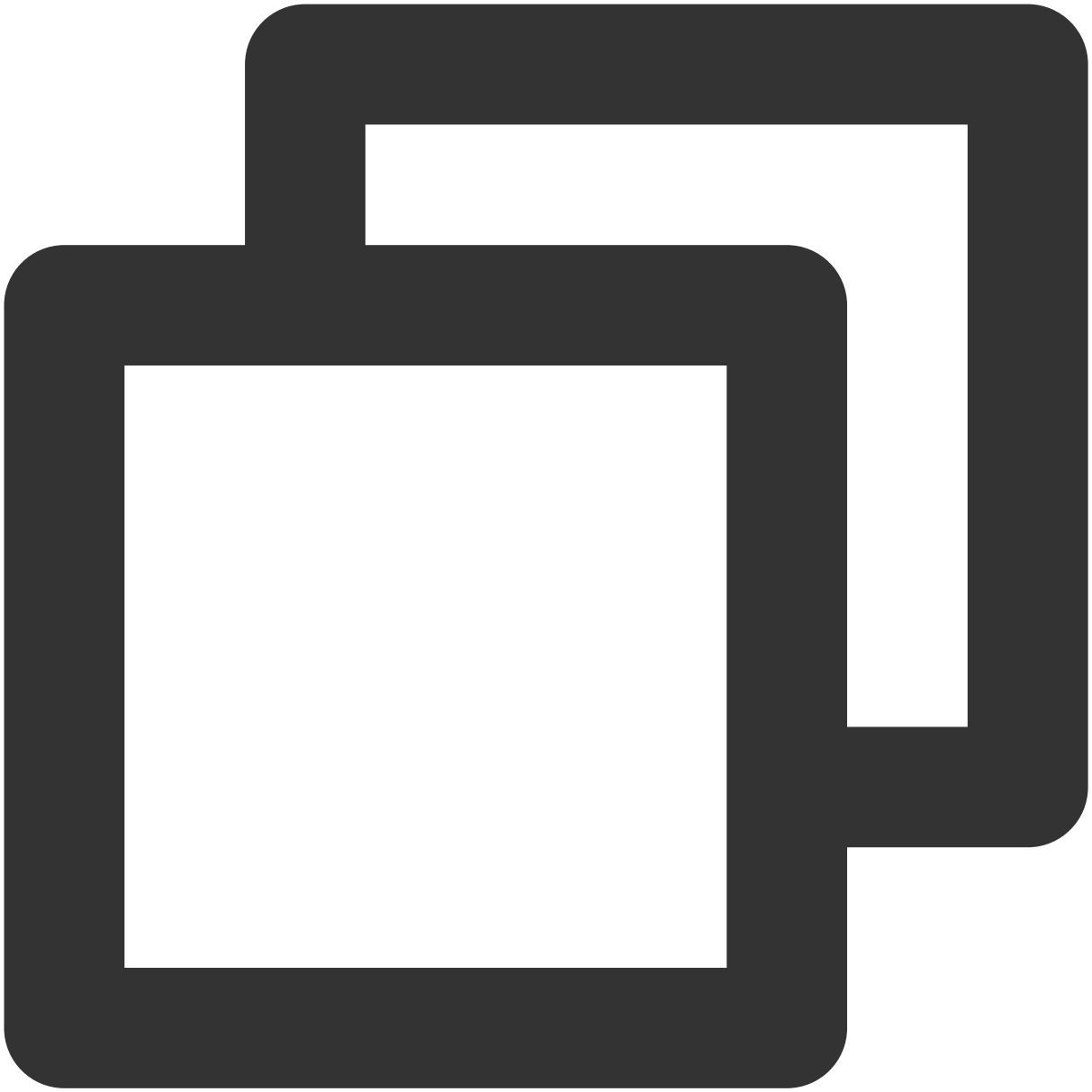
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```
http://example-1258125638.cos.ap-shanghai.myqcloud.com/sample.png?imageMogr2/format
```

Alternatively, you can convert the image into HEIF format using the following URL:

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```
http://example-1258125638.cos.ap-shanghai.myqcloud.com/sample.png?imageMogr2/format
```

Compression ratio comparison

Format	Image Size
PNG (input image)	1,335.2 KB
TPG	36.67 KB (compression ratio: 97.3%)
HEIF	52.87 KB (compression ratio: 96.0%)

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SVG Compression

Last updated：2024-02-18 10:36:35

Overview

Image compression is the process of downsizing an image as much as possible without sacrificing quality so that it can be stored at a lower cost and accessed more quickly.
CI has launched the SVG compression feature, which can delete certain redundant information from an SVG file without compromising the display effect in order to downsize the file.

Restrictions

Format: Only SVG images can be used as the input.
Size: The input image cannot be larger than 32 MB.

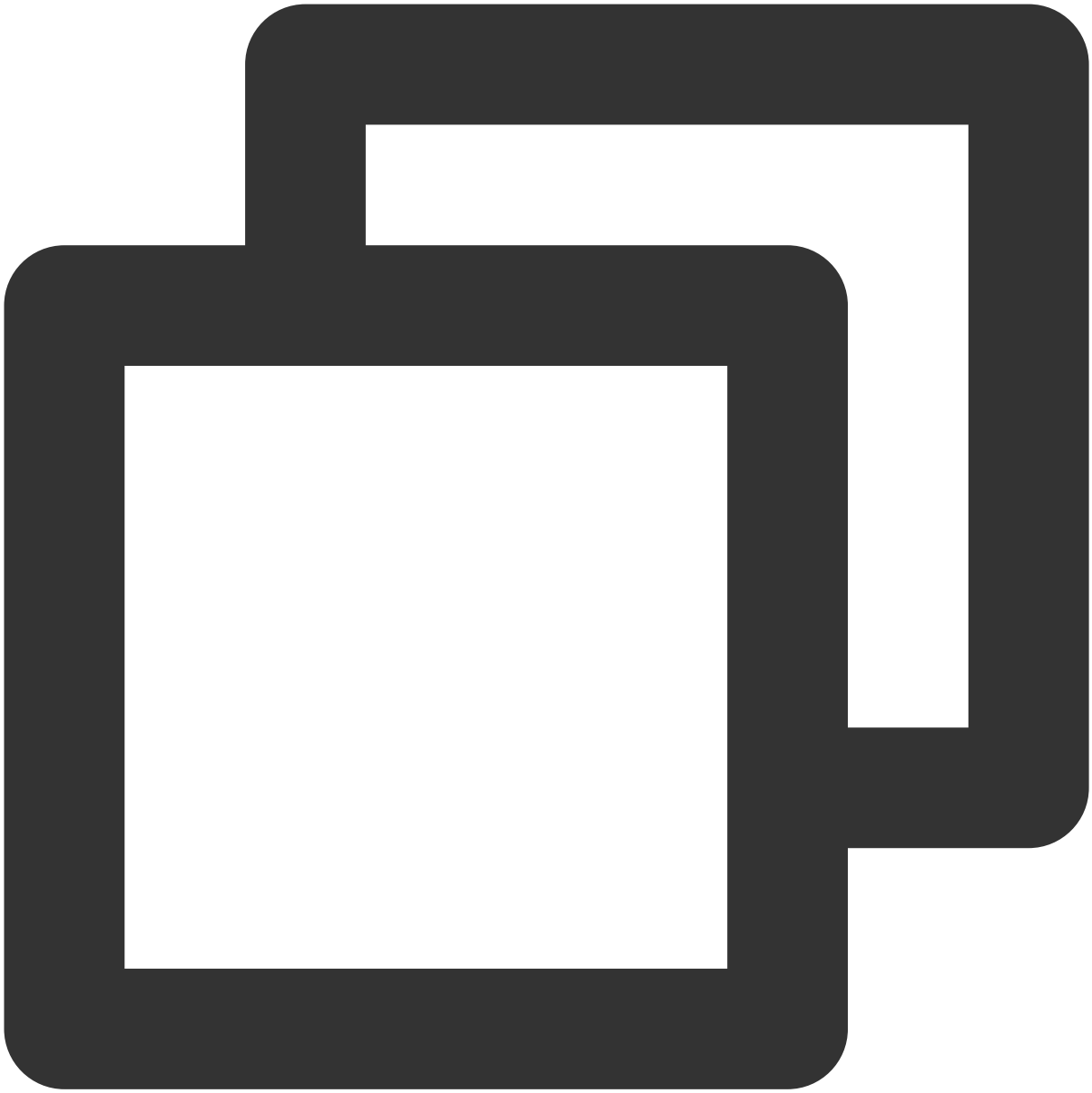
Directions

CI uses the `imageMogr2` API to provide the SVG compression feature.
An image can be processed:
Upon download
Upon upload
In cloud
Note:
SVG compression is billed at image advanced compression prices. For detailed pricing, see Image Processing Fees.

API Format

1. Processing upon download

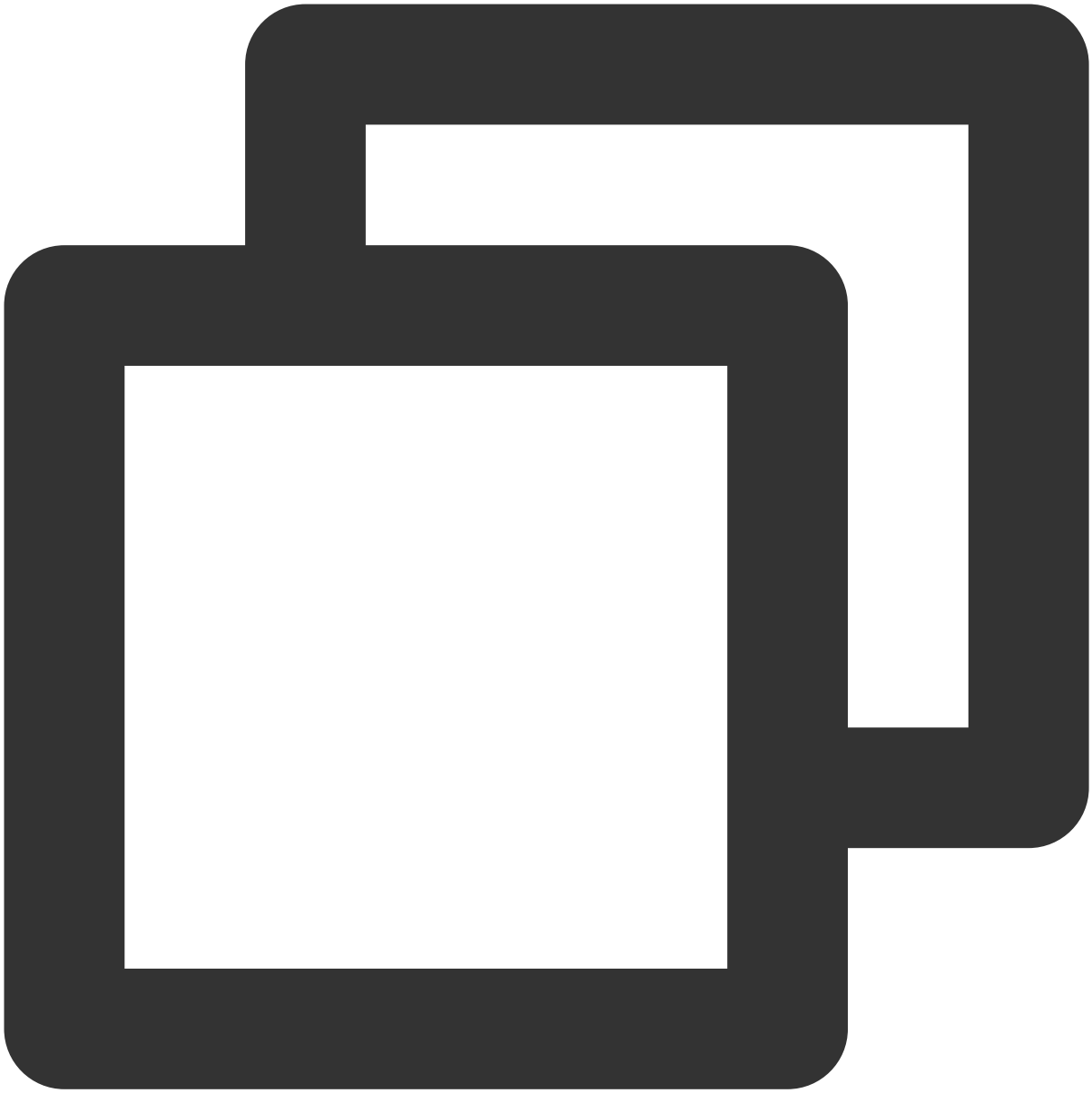
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```
GET /<ObjectKey>?imageMogr2/format/svgc HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

2. Processing upon upload

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/svgc"
}]
```

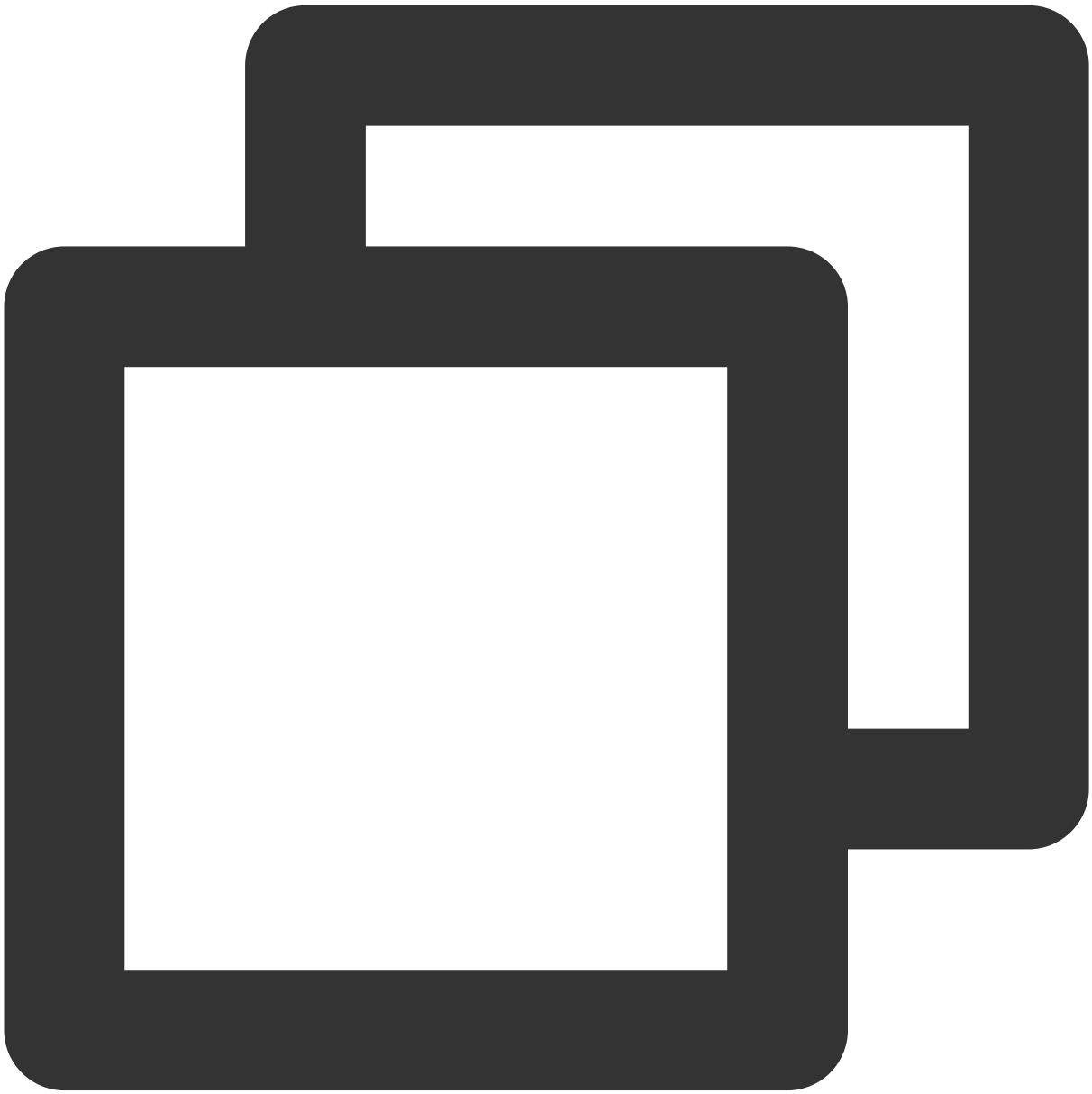
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```
}
```

Note:

`Pic-Operations` is a JSON string. Its parameters are as described in Persistent Image Processing.

3. Processing in-cloud data



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations:
{
"is_pic_info": 1,
"rules": [{
    "fileid": "exampleobject",
    "rule": "imageMogr2/format/svgc"
}]
}
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Parameters

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .
/format/<Format>	Compression format, which is `svgc` here.

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Persistent Image Processing

Last updated：2024-02-18 10:36:35

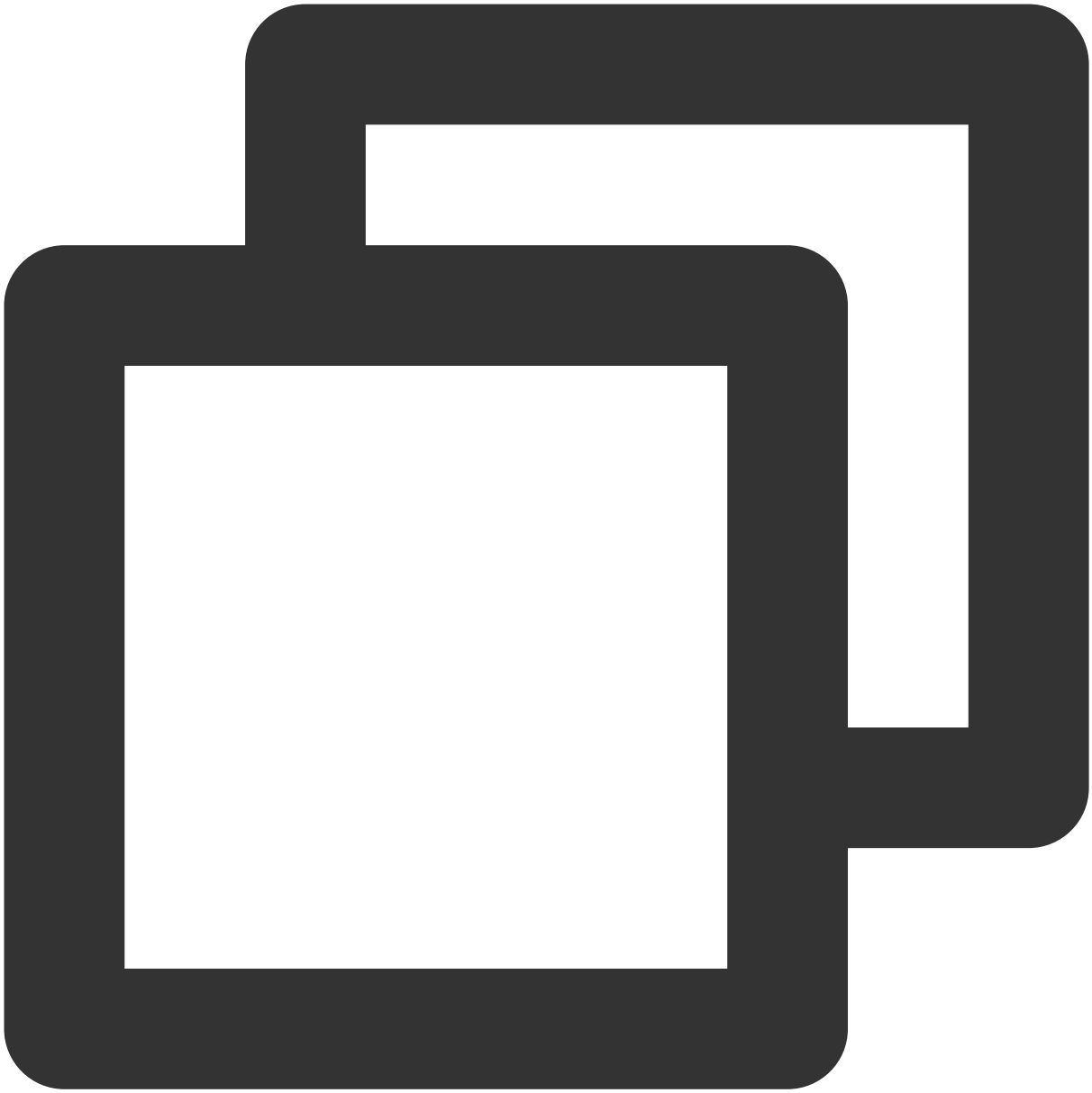
Processing During Upload

CI allows you to process images during upload. To enable this, add `Pic-Operations` to the request header and set relevant parameters. You can also save the input images and processing results to COS. Currently, images within 32 MB can be processed.

Request syntax

The request during image upload is the same as that used to simply upload a file to COS v5, except that you need to add the image processing parameter to the request header.

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations: <PicOperations>
```

Note:

For more information on COS' simple upload API, see PUT Object.

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

The QPS for persistent processing can be up to 100. If you need a higher QPS, contact us.

Request content

`Pic-Operations` is a JSON string. Its parameters are as follows:

Parameter	Type	Required	Description
is_pic_info	Int	No	Whether to return the input image information. Valid values: `0` (no); `1` (yes). Default value: `0`.
rules	Array	No	Processing rules (up to five rules are supported). Each rule corresponds to one processing result. If this parameter is not specified, images will not be processed.

Parameters of rules (a JSON array) are as follows:

Parameter	Type	Required	Description
bucket	String	No	Name of the destination bucket to store the results in the format of BucketName-APPID. If this parameter is not specified, the results will be stored in the current bucket by default.
fileid	String	Yes	Storage path and name of the output file. Naming rules are as follows (assume the input file is `/p1/test1.jpg`): 1. A value starting with a slash (/) indicates an absolute path. For example, if `fileid` is set to `/p2/test2.jpg`, the `test2.jpg` file will be stored in the `p2` folder. 2. A value not starting with a slash indicates a relative path. For example, if `fileid` is set to `p2/test2.jpg`, a folder named `p2` will be created in the `p1` folder, and the `test2.jpg` file will be stored in the `p2` folder. 3. Note: Do not end the value with a slash; otherwise, an empty filename will be generated.
rule	String	Yes	Processing parameters. For more information, see CI's image processing API. To process an image by using a specified style, the value must start with `style/`, with the style name followed. For example, if the style name is test, the value of rule should be `style/test`.

Response content

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The response body is as described below:

Parameter	Type	Description
UploadResult	Container	Input image information

Content of `UploadResult`:

Parameter	Type	Description
OriginalInfo	Container	Input image information
ProcessResults	Container	Image processing result

Content of `OriginalInfo`:

Node Name	Type	Description
Key	String	Input image name
Location	String	Image path
ImageInfo	Container	Input image information
ETag	String	`ETag` of the input image. If the output image overwrites the input image, the value of `ETag` will be that of the output image.

Content of `ImageInfo`:

Node Name	Type	Description
Format	String	Format
Width	Int	Image width
Height	Int	Image height
Quality	Int	Image quality
Ave	String	Image average hue
Orientation	Int	Image rotation angle

Content of `ProcessResults`:

Node Name	Type	Description

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Object	Container	Processing result of each image

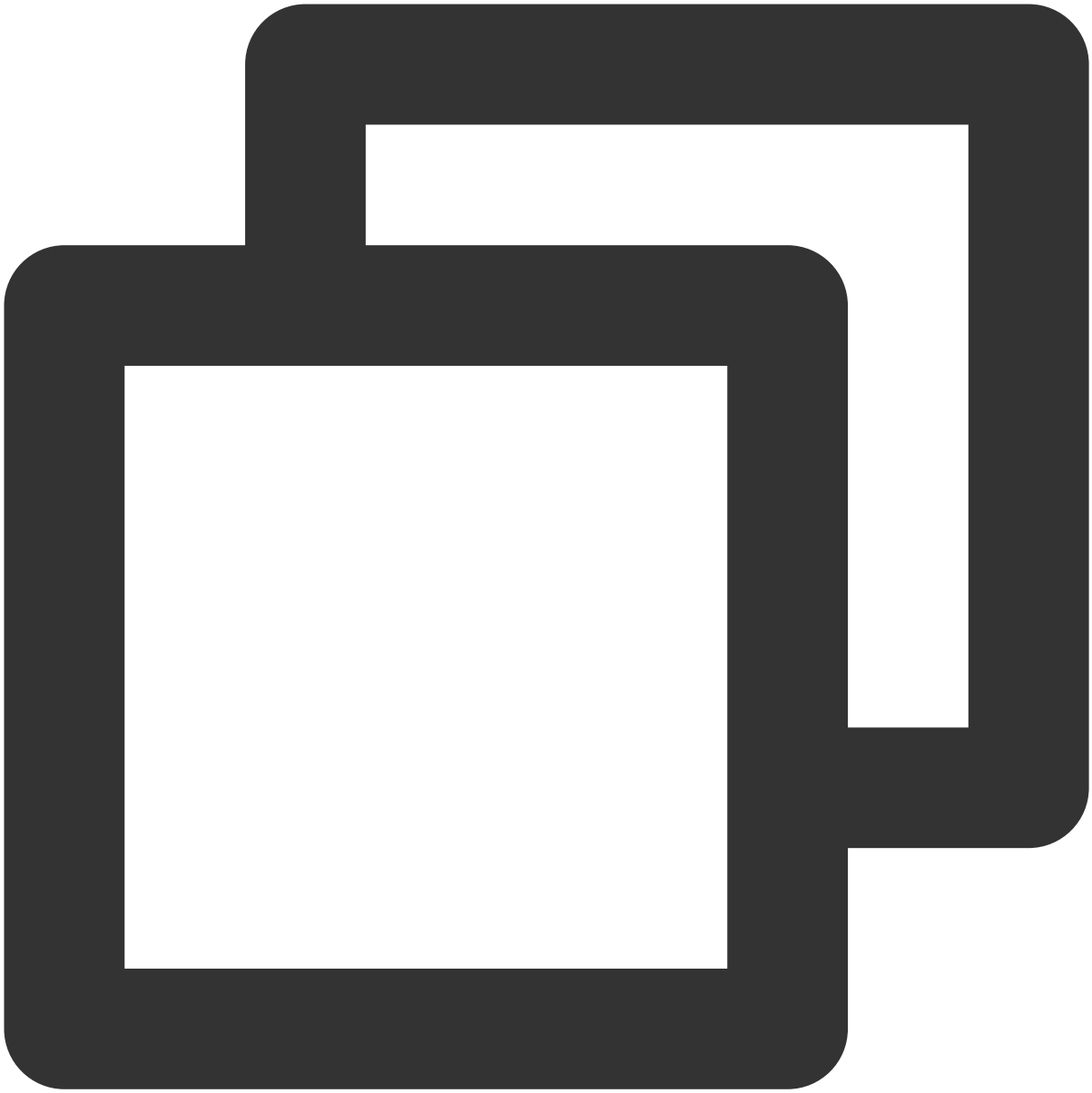
Content of `Object` :

Node Name	Type	Description
Key	String	Filename
Location	String	Image path
Format	String	Image format
Width	Int	Image width
Height	Int	Image height
Size	Int	Image size
Quality	Int	Image quality
ETag	String	`ETag` information of the output image

Sample

Request

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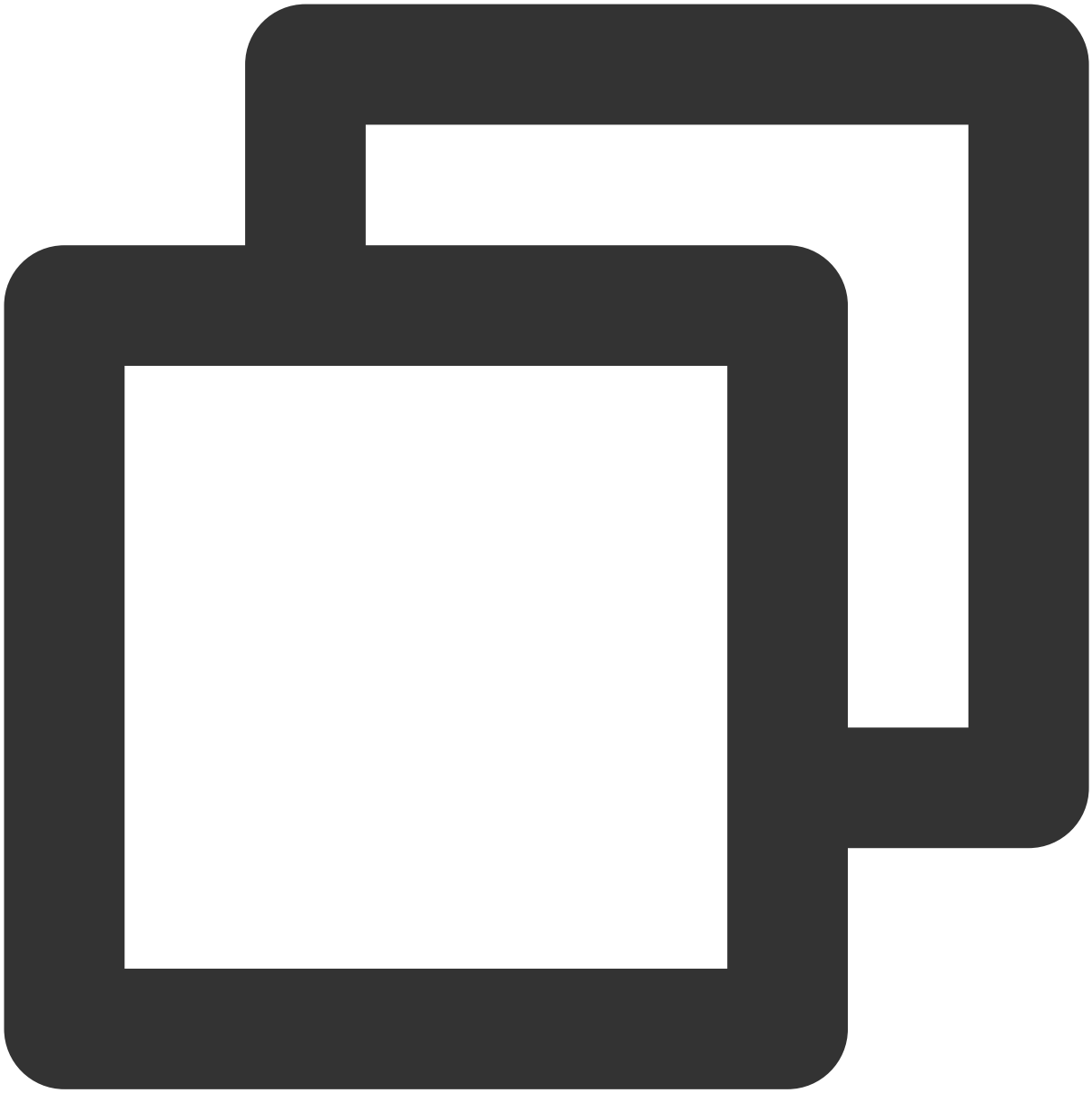


```
PUT /filename.jpg HTTP/1.1
Host: examplebucket-1250000000.cos.ap-chengdu.myqcloud.com
Date: Wed, 28 Oct 2015 20:32:00 GMT
Authorization:XXXXXXXXXXXX
Pic-Operations: {"is_pic_info":1,"rules":[{"fileid":"test.jpg","rule":"imageView2/f
Content-Length: 64

[Object]
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 645
Date: Tue, 03 Apr 2018 09:06:16 GMT
Status: 200 OK
x-cos-request-id: NWFjMzQ0MDZfOTBmYTUwXzZkZV8z****

<UploadResult>
        <OriginalInfo>
            <Key>filename.jpg</Key>
            <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/filename
```

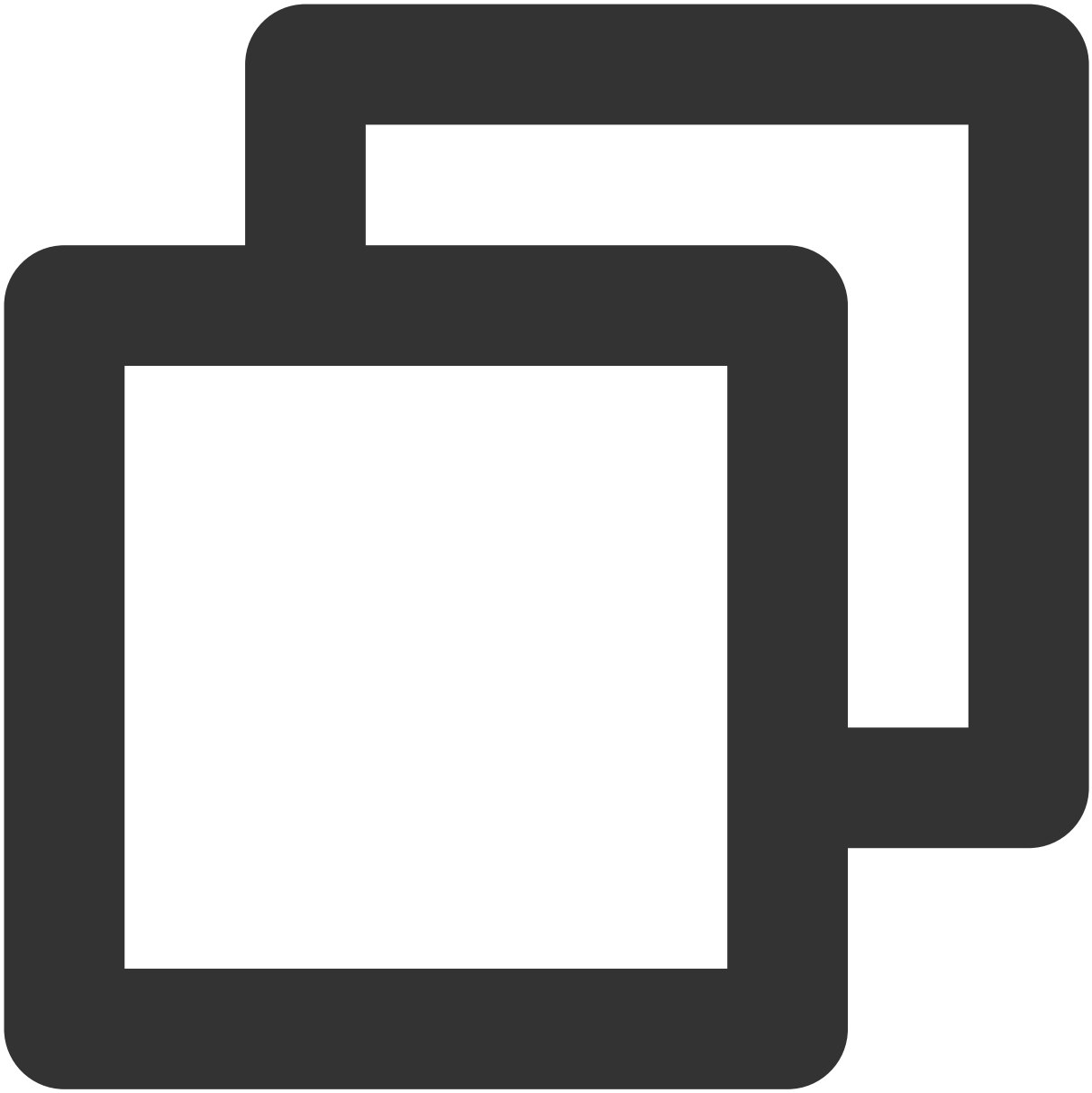
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```
            <ETag>&quot;580cd6930444576523c25f86ce2af9b1fc2d5484&quot;</ETag>
            <ImageInfo>
                <Format>JPEG</Format>
                <Width>640</Width>
                <Height>427</Height>
                <Quality>100</Quality>
                <Ave>0xa18454</Ave>
                <Orientation>1</Orientation>
            </ImageInfo>
        </OriginalInfo>
        <ProcessResults>
            <Object>
                <Key>test.jpg</Key>
                <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/test
                <Format>png</Format>
                <Width>640</Width>
                <Height>427</Height>
                <Size>463092</Size>
                <Quality>100</Quality>
                <ETag>&quot;eaa4e3d8fd498bbc63be3b71c46b9c61f23e3f0c&quot;</ETag>
            </Object>
        </ProcessResults>
</UploadResult>
```

Note:

Processing during upload is supported for the multipart upload feature of COS v5. To implement image processing, you only need to add the `Pic-Operations` parameter in the request header when calling the Complete Multipart Upload API.

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```
POST /<ObjectKey>?uploadId=UploadId HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
Authorization: Auth String
Pic-Operations: <PicOperations>
```

Note:

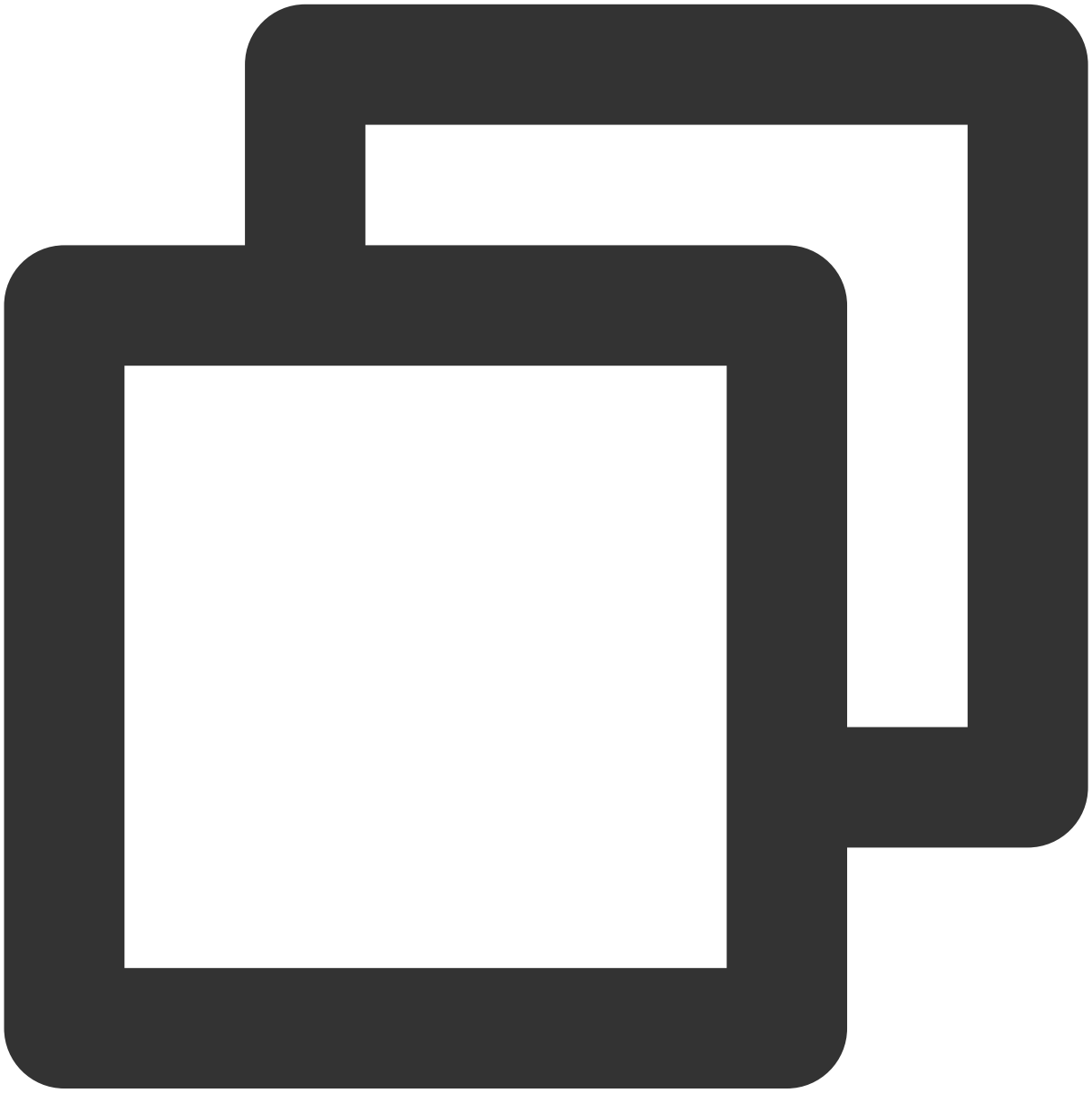
For more information, see Complete Multipart Upload.

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Processing In-Cloud Data

CI's image processing API can process an image stored in COS and save the processing result to COS.

Request syntax



```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Content-length: Size
```

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```
Authorization: Auth String
Pic-Operations: <PicOperations>
```

Request content

`Pic-Operations` is a JSON string. Its parameters are as follows:

Parameter	Type	Required	Description
is_pic_info	Int	No	Whether to return the input image information. Valid values: `0` (no); `1` (yes). Default value: `0`.
rules	Array	No	Processing rules (up to five rules are supported). Each rule corresponds to one processing result. If this parameter is not specified, images will not be processed.

Parameters of `rules` (a JSON array) are as follows:

Parameter	Type	Required	Description
bucket	String	No	Name of the destination bucket to store the results in the format of `BucketName-APPID`. If this parameter is not specified, the results will be stored in the current bucket by default.
fileid	String	Yes	Storage path and name of the output file. Naming rules are as follows (assume the input file is `/p1/test1.jpg`): 1. A value starting with a slash (/) indicates an absolute path. For example, if fileid is set to /p2/test2.jpg, the test2.jpg file will be stored in the p2 folder. 2. A value not starting with a slash indicates a relative path. For example, if fileid is set to p2/test2.jpg, a folder named p2 will be created in the p1 folder, and the test2.jpg file will be stored in the p2 folder. 3. Note: Do not end the value with a slash; otherwise, an empty filename will be generated.
rule	String	Yes	Processing parameters. For more information, see Basic Image Processing. To process an image by using a specified style, the value must start with `style/`, with the style name followed. For example, if the style name is `test`, the value of `rule` should be `style/test`.

Response content

The response body is as described below:

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Parameter	Type	Description
UploadResult	Container	Input image information

Content of `UploadResult`:

Parameter	Type	Description
OriginalInfo	Container	Input image information
ProcessResults	Container	Image processing result

Content of `OriginalInfo`:

Node Name	Type	Description
Key	String	Input image name
Location	String	Image path
ImageInfo	Container	Input image information
ETag	String	`ETag` of the input image. If the output image overwrites the input image, the value of `ETag` will be that of the output image.

Content of `ImageInfo`:

Node Name	Type	Description
Format	String	Format
Width	Int	Image width
Height	Int	Image height
Quality	Int	Image quality
Ave	String	Image average hue
Orientation	Int	Image rotation angle

Content of `ProcessResults`:

Node Name	Type	Description
Object	Container	Processing result of each image

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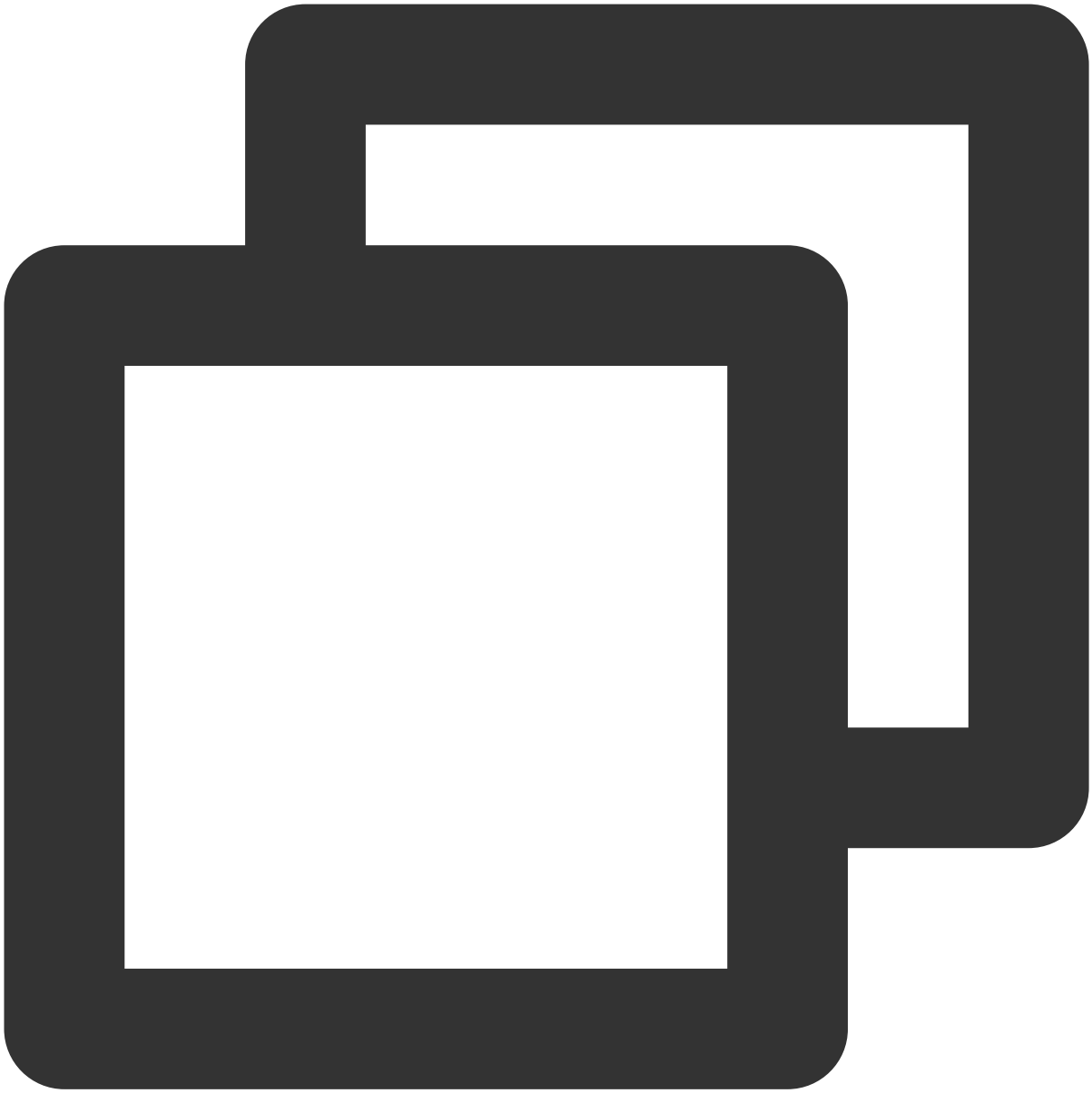
Content of `Object` :

Node Name	Type	Description
Key	String	Filename
Location	String	Image path
Format	String	Image format
Width	Int	Image width
Height	Int	Image height
Size	Int	Image size
Quality	Int	Image quality
ETag	String	`ETag` of the output image

Sample

Request

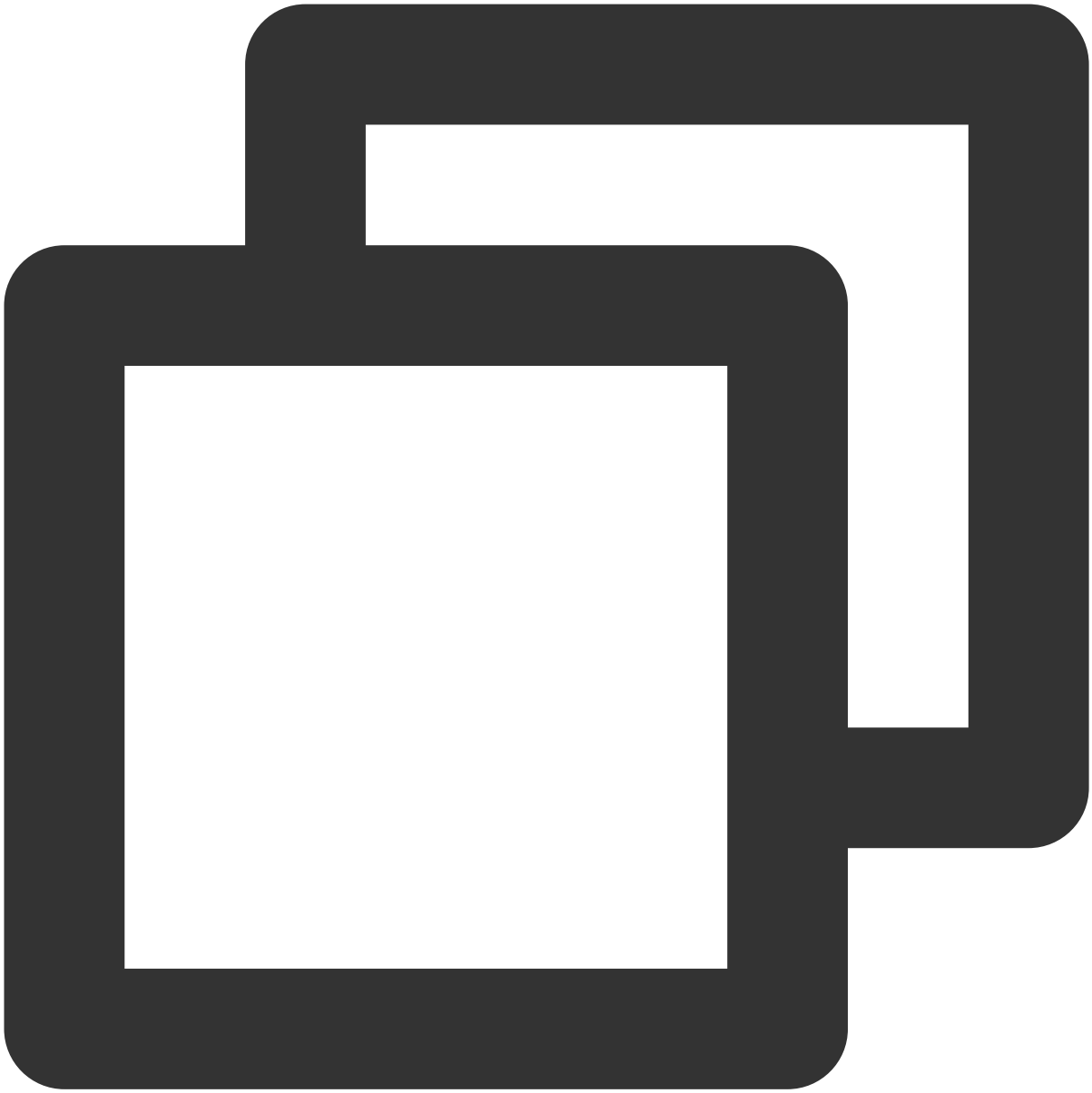
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```
POST /filename.jpg?image_process HTTP/1.1
Host: examplebucket-1250000000.cos.ap-chengdu.myqcloud.com
Date: Wed, 18 Jan 2017 16:17:03 GMT
Authorization: XXXXXXXXXX
Pic-Operations: {"is_pic_info":1,"rules":[{"fileid":"test.jpg","rule":"imageView2/f
Content-Length: XX
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 645
Date: Tue, 03 Apr 2018 09:06:16 GMT
Status: 200 OK
x-cos-request-id: NWFjMzQ0MDZfOTBmYTUwXzZkZV8z****

<UploadResult>
            <OriginalInfo>
                <Key>filename.jpg</Key>
                <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/file
```

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```
                <ETag>&amp;quot;eaa4e3d8fd498bbc63be3b71c46b9c61f23e3f0c&amp;quot;</ETag>
                <ImageInfo>
                    <Format>JPEG</Format>
                    <Width>640</Width>
                    <Height>427</Height>
                    <Quality>100</Quality>
                    <Ave>0xa18454</Ave>
                    <Orientation>1</Orientation>
                </ImageInfo>
            </OriginalInfo>
            <ProcessResults>
                <Object>
                    <Key>test.jpg</Key>
                    <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/
                    <Format>png</Format>
                    <Width>640</Width>
                    <Height>427</Height>
                    <Size>463092</Size>
                    <Quality>100</Quality>
                    <ETag>&amp;quot;eaa4e3d8fd498bbc63be3b71c46b9c61f23e3f0c&amp;quot;</ETa
                </Object>
            </ProcessResults>
</UploadResult>
```

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Blind Watermarking

Last updated：2024-02-18 10:36:36

Overview

The blind watermark feature allows you to add an invisible watermark to an image, which does not affect the look and feel and retains the originality of the image. If you suspect that your image has been stolen, you can extract the invisible watermark through blind watermark extraction to prove your ownership of the image.

You can call this API to:

Add or extract a blind watermark to or from an image during upload.

Add or extract a blind watermark to or from an image stored in COS.

Add a blind watermark to an image during download.

CI introduces three blind watermarking types: semi-blind watermarking, perfectly blind watermarking, and text blind watermarking.

Blind Watermarking Type	Feature	Applicable Scenario
Semi-blind watermarking (type 1)	Has strong anti-theft effects but requires the input image for watermark extraction	Images smaller than 640x640
Perfectly blind watermarking (type 2)	Is easy to extract and requires only the watermarked image for watermark extraction	Batch adding and verification
Text blind watermarking (type 3)	Adds text to the image	Adding terminal information

Blind watermarking is a paid service, which needs to be activated on the bucket's configuration page. For detailed pricing, see Image Processing Fees.

Note:

Currently, you cannot add a blind watermark to animated images such as GIF.

Both the width and height of the image watermark must not be greater than 1/8 of the input image.

You need to choose a white watermark with a black background for the effect of blind watermarking.

Text watermarks can contain digits and letters.

Blind watermarking protects your images against various theft attacks such as cropping, smudging, and color change. The anti-theft effect is affected by the size of the input image and the attack intensity. For details, please submit a ticket.

Blind watermarking is supported in all regions of CI. For more information, see Regions and Domain Names.

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Use Cases

Authentication and accountability

By adding semi-blind watermarks to your images, you can claim your images when they are stolen and extract blind watermarks using the corresponding input images to prove that you own the images.

Checking duplicates upon upload

Sometimes, other users might upload duplicate images (such as real estate images, car images, and product images). To solve this problem, you can perform perfectly blind watermark extraction before the upload, and if you can extract a blind watermark from an image, it has been uploaded before. In this case, you can perform corresponding operations, such as telling the user not to upload duplicate images. If an image does not contain a blind watermark, you can add one to it to prevent duplicate uploads.

Avoiding image leakage

For internal images, you can add information about the requester to the images by using text blind watermarks. In this way, when an image is leaked, you can extract the blind watermark and get information about the leaker.

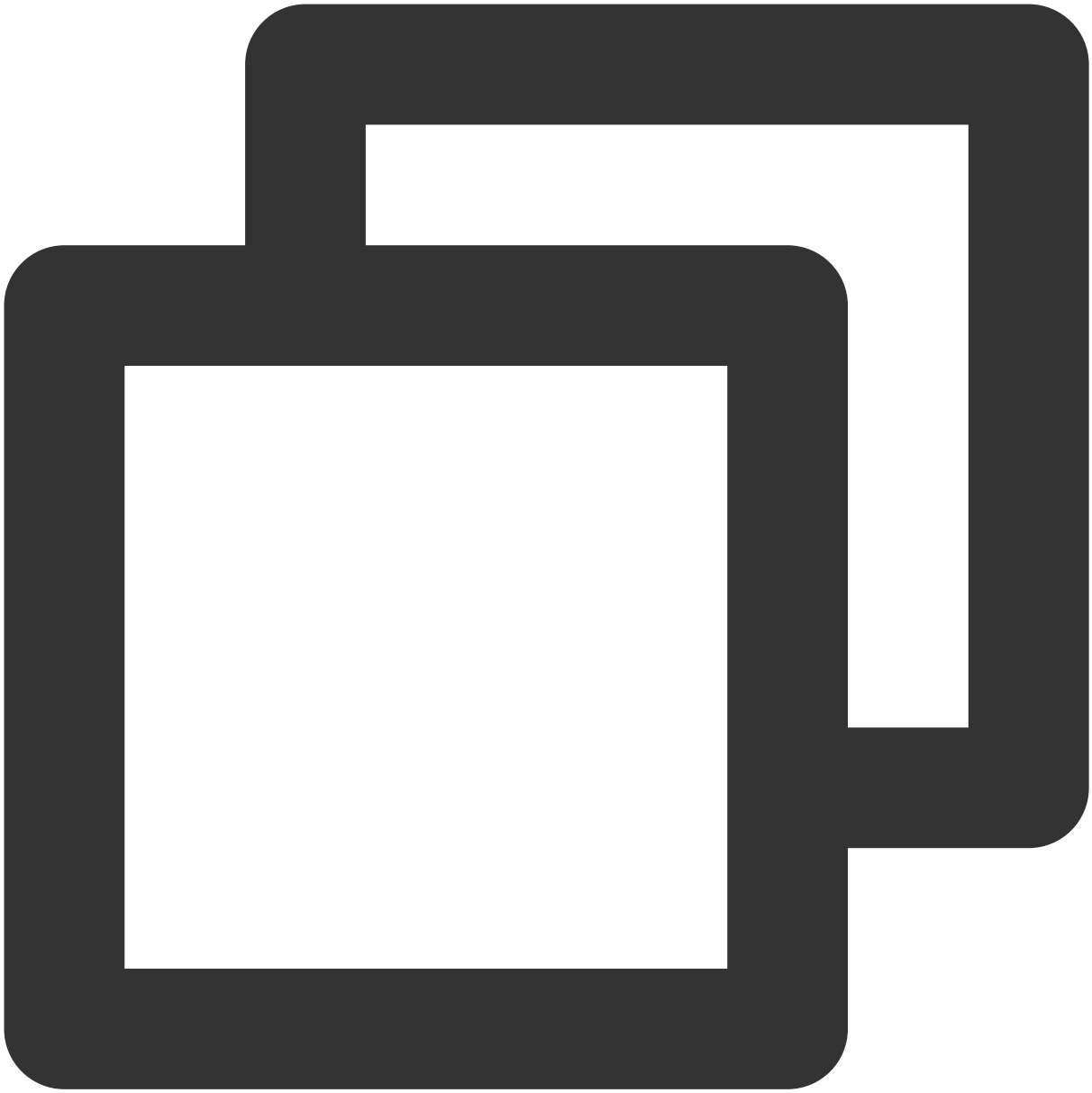
Adding Blind Watermarks

Request 1: adding a blind watermark upon upload

The request is the same as that in a PUT Object call, except that you need to add the image processing parameter `Pic-Operations` to the request header and use blind watermarking parameters.

Sample request

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations: <PicOperations>

[Object Content]
```

Note:

Authorization: Auth String (See Request Signature for details.)

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API uses Common Request Headers.

Add the image processing parameter `Pic-Operations` (a JSON string) to the request header. Its parameters are as follows:

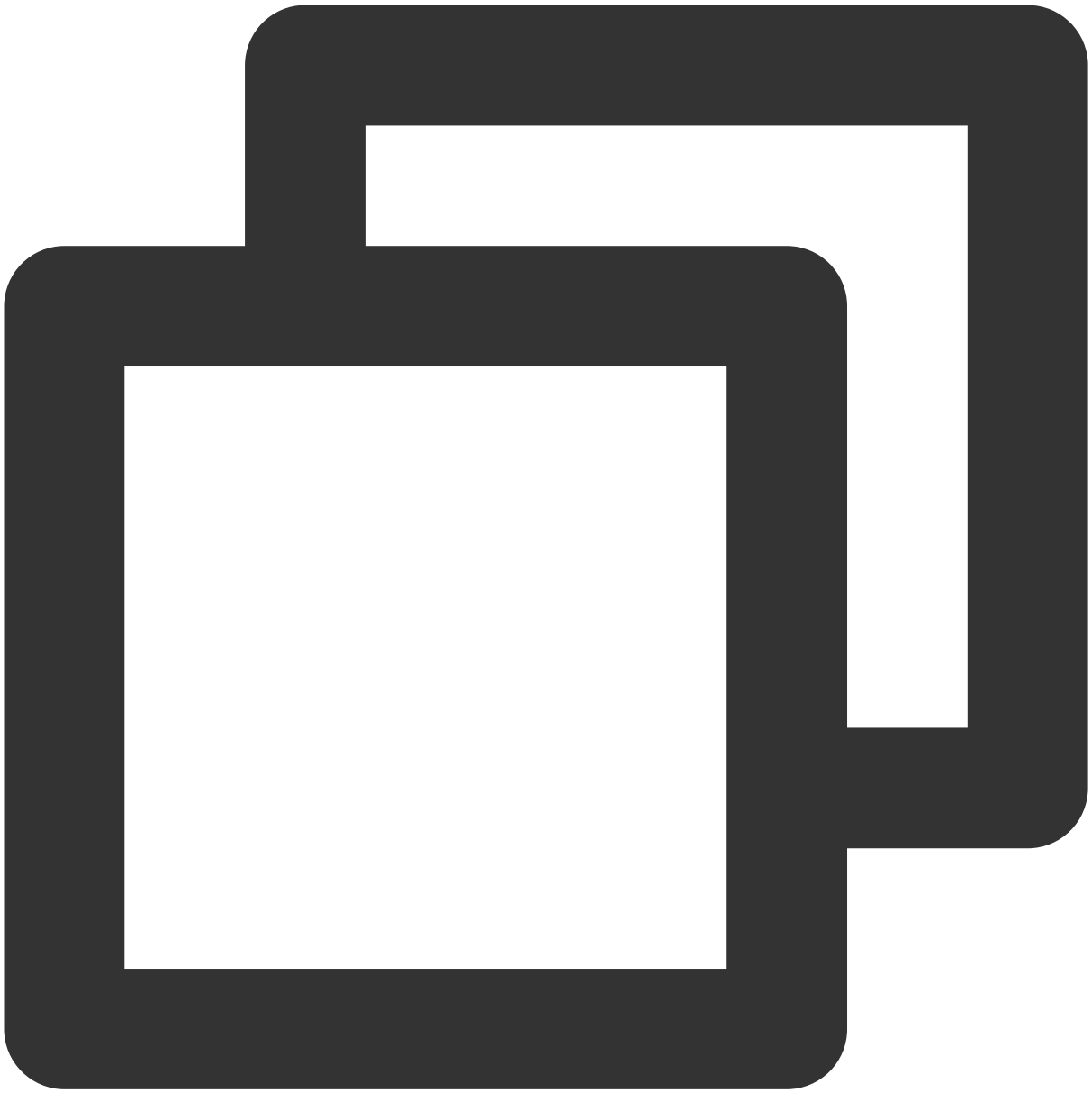
Parameter	Description	Type	Required
is_pic_info	Whether to return the input image information `0` (default): no `1` : yes	Int	No
rules	Processing rules (up to five rules are supported). Each rule corresponds to one processing result. If this parameter is not specified, images will not be processed.	Array	No

Parameters of `rules` (a JSON array) are as follows:

Parameter	Description	Type	Required
bucket	Name of the destination bucket to store the results, formatted as `BucketName-APPID` . If this parameter is not specified, the results will be stored in the current bucket.	String	No
fileid	Storage path and name of the output file. Naming rules are as follows (assume the input file is `/p1/test1.jpg`): 1. A value starting with a slash (/) indicates an absolute path. For example, if fileid is set to /p2/test2.jpg, the test2.jpg file will be stored in the p2 folder. 2. A value not starting with a slash indicates a relative path. For example, if fileid is set to p2/test2.jpg, a folder named p2 will be created in the p1 folder, and the test2.jpg file will be stored in the p2 folder. 3. Note: Do not end the value with a slash; otherwise, an empty filename will be generated.	String	Yes
rule	Processing parameters. For more information, see the image processing API. To process an image by using a specified style, the value must start with `style/` , with the style name followed. For example, if the style name is `test` , the value of `rule` should be `style/test` .	String	Yes

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To use blind watermarking, add the watermarking parameter `watermark` to `rule` as follows:



```
watermark/3/type/<type>/image/<imageUrl>/text/<text>/level/<level>
```

The parameters are as follows:

Parameter	Description	Type	Required
type	Blind watermarking type. Valid values: `1` (semi-blind watermarking), `2` (perfectly blind watermarking), `3` (text blind watermarking)	Int	Yes

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image	URL of the blind image watermark, which must be URL-safe Base64 encoded. This parameter is required if `type` is set to `1` or `2`, and does not take effect if `type` is set to `3`. The image watermark must:
	1. Be stored in the same bucket as the input image.
	2. Have a URL that starts with http://. Note that "http://" cannot be omitted or changed to "https://". For example, the following watermark URLs are invalid:
	`examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/watermark.png`
	`https://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/watermark.png`
		String	No

text	Text watermark, which must be URL-safe Base64-encoded. This parameter is required if `type` is set to `3` and does not take effect if `type` is set to `1` or `2`.	String	No
level	Perfectly blind watermarking level, which only takes effect when `type` is set to `2`. Valid values: `1` (default), `2`, `3`. The larger the value, the better the watermarking effects.	Int	No

Request parameters

This API has no request parameter.

Request body

The request body of this API is the content of the input image.

Response

Response headers

This API only returns Common Response Headers.

Response body

Parameters in the response body are as follows:

Parameter	Description	Type
UploadResult	Upload results	Container

Content of `UploadResult`:

Parameter	Description	Type
OriginalInfo	Information about the input image	Container

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ProcessResults	Processing results	Container

Content of `OriginalInfo`:

Parameter	Description	Type
Key	Name of the input image	String
Location	Image location	String
ImageInfo	Information about the input image	Container

Content of `ImageInfo`:

Parameter	Description	Type
Format	Image format	String
Width	Image width	Int
Height	Image height	Int
Quality	Image quality	Int
Ave	Image average hue	String
Orientation	Image rotation angle	Int

Content of `ProcessResults`:

Parameter	Description	Type
Object	Processing results of each image	Container

Content of `Object`:

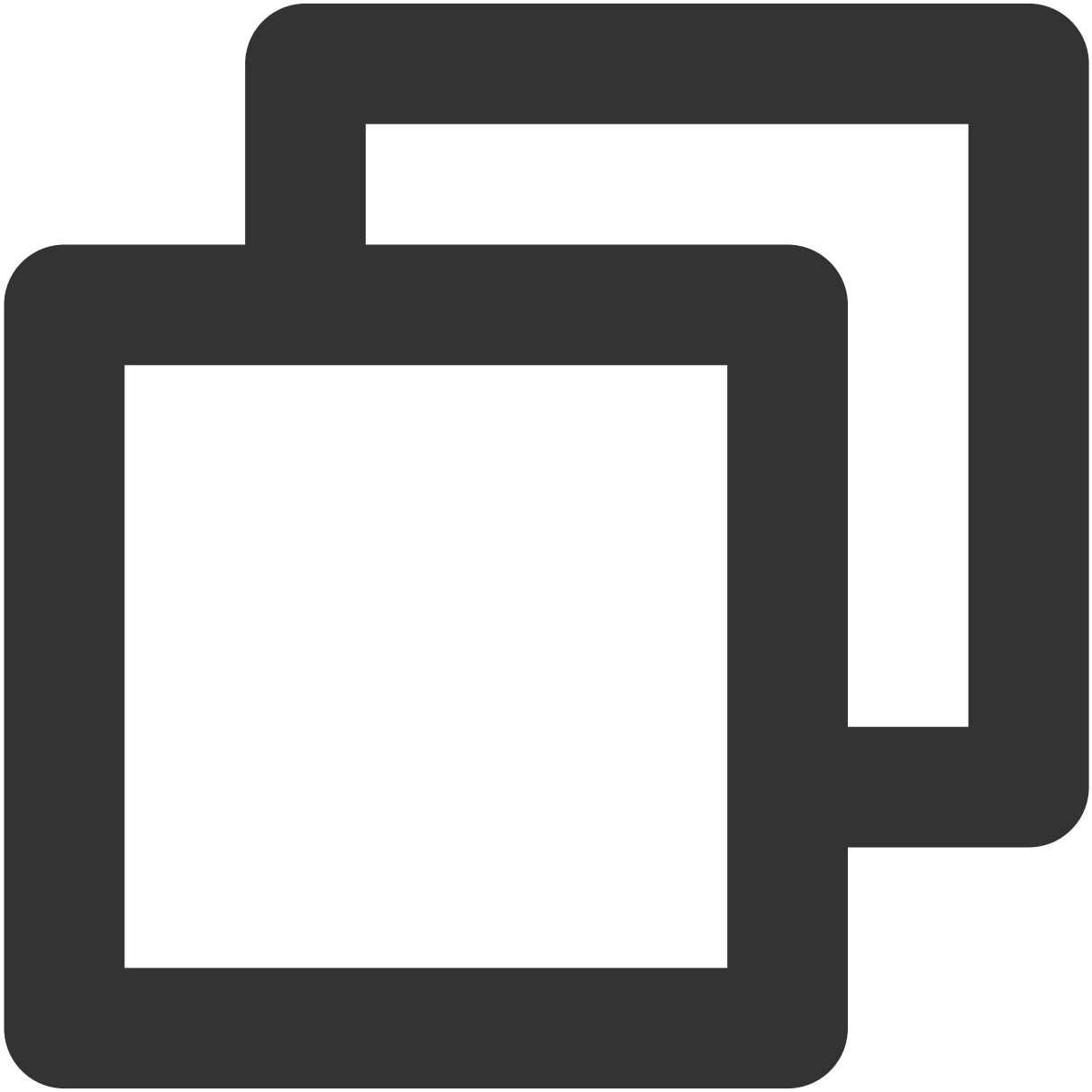
Parameter	Description	Type
Key	Filename	String
Location	Image location	String
Format	Image format	String
Width	Image width	Int
Height	Image height	Int

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Size	Image size	Int
Quality	Image quality	Int

Example

Request



```
PUT /exampleobject HTTP/1.1
Host: examplebucket-1250000000.cos.ap-chengdu.myqcloud.com
```

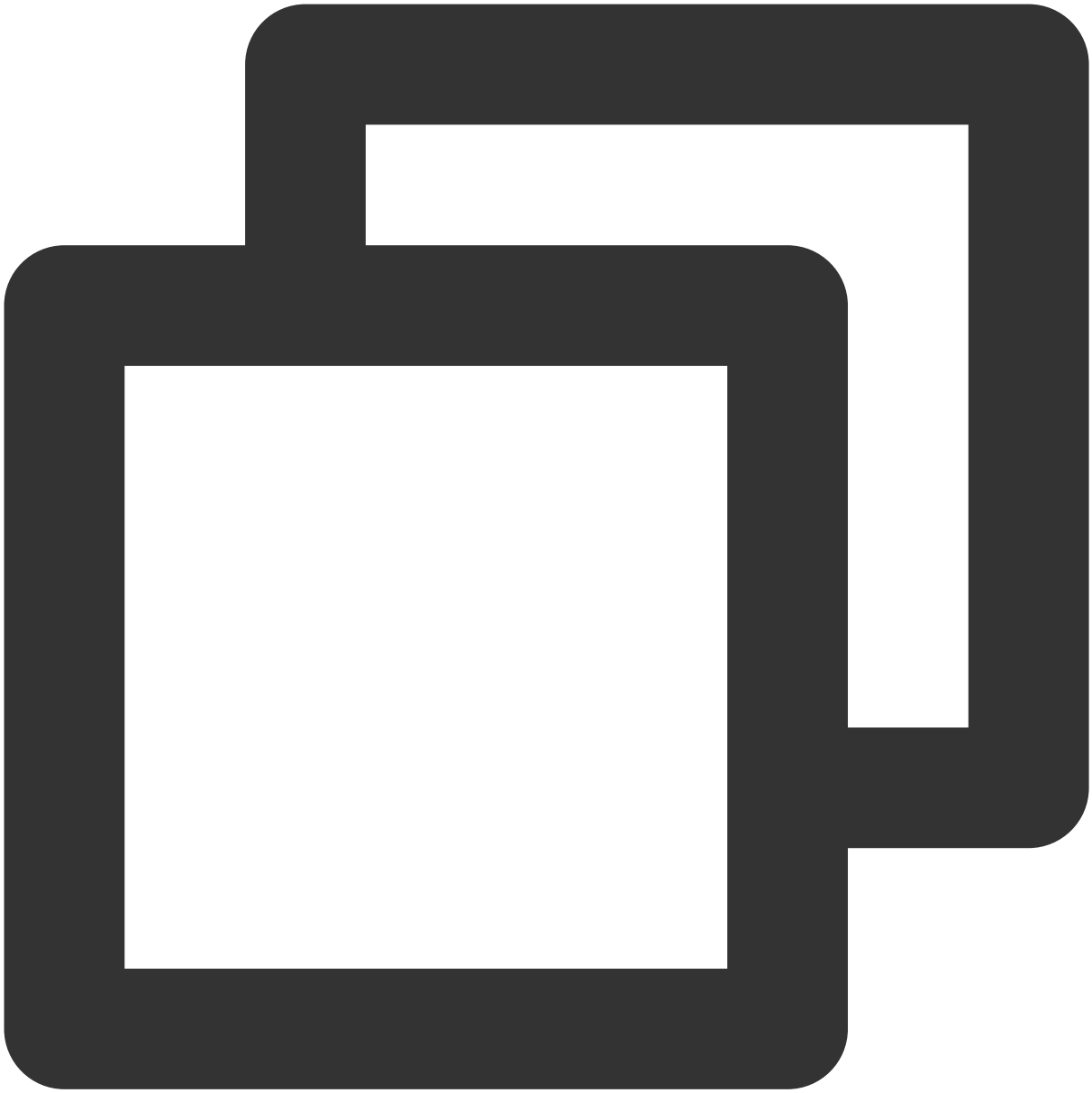
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```
Date: Tue, 03 Apr 2018 09:06:15 GMT
Authorization:XXXXXXXXXXXX

Pic-Operations:
{
    "is_pic_info": 1,
    "rules": [{
        "fileid": "exampleobject",
        "rule": "watermark/3/type/1/image/aHR0cDovL2V4YW1wbGVzLTEyNTEwMDAwMDQucGljc
    }]
}
Content-Length: 64

[Object Content]
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 645
Date: Tue, 03 Apr 2018 09:06:16 GMT
Status: 200 OK
x-cos-request-id: NWFjMzQ0MDZfOTBmYTUwXzZkZV8z****

<UploadResult>
          <OriginalInfo>
              <Key>exampleobject</Key>
              <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/exampl
```

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```
                <ImageInfo>
                     <Format>JPEG</Format>
                     <Width>640</Width>
                     <Height>427</Height>
                     <Quality>100</Quality>
                     <Ave>0xa18454</Ave>
                     <Orientation>1</Orientation>
                </ImageInfo>
            </OriginalInfo>
            <ProcessResults>
                <Object>
                     <Key>exampleobject</Key>
                     <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/e
                     <Format>png</Format>
                     <Width>640</Width>
                     <Height>427</Height>
                     <Size>463092</Size>
                     <Quality>100</Quality>
                </Object>
            </ProcessResults>
 </UploadResult>
```

Note:

[Object Content] in the request body is the binary string of the input image, and `imageUrl` in `rule` in the request header `Pic-Operations` is the URL of the image watermark.

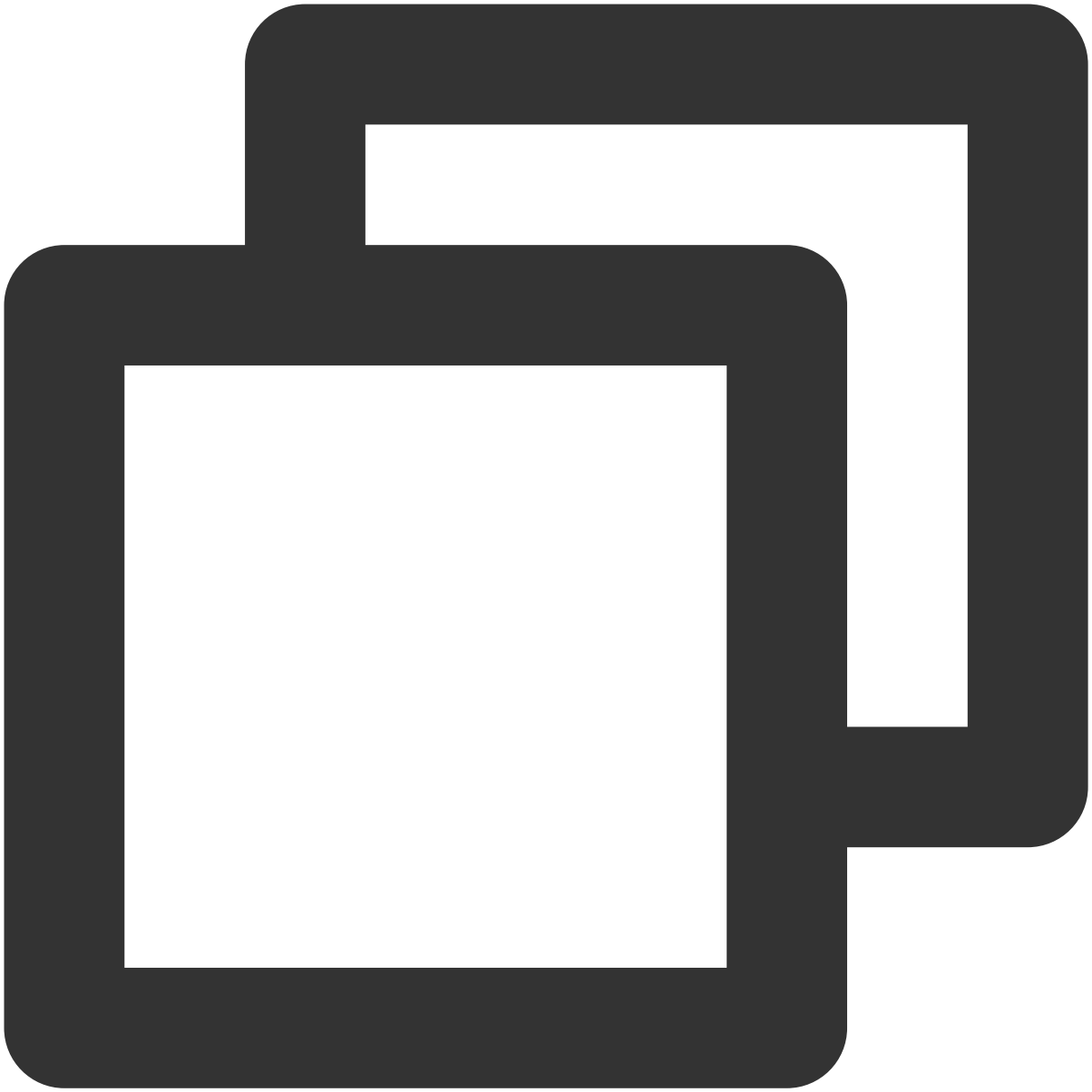
`Location` in `ProcessResults` in the response body is the URL of the image with a blind watermark.

Request 2: adding a blind watermark upon download

You can add a blind watermark upon download in the same way as adding a regular watermark, except that you need to use the `watermark` parameter after the image URL.

Sample request

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```
GET /<ObjectKey>?watermark/3/type/<type>/image/<imageUrl>/text/<text> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Request parameters

The request parameters are as follows:

Parameter	Description	Type	Required

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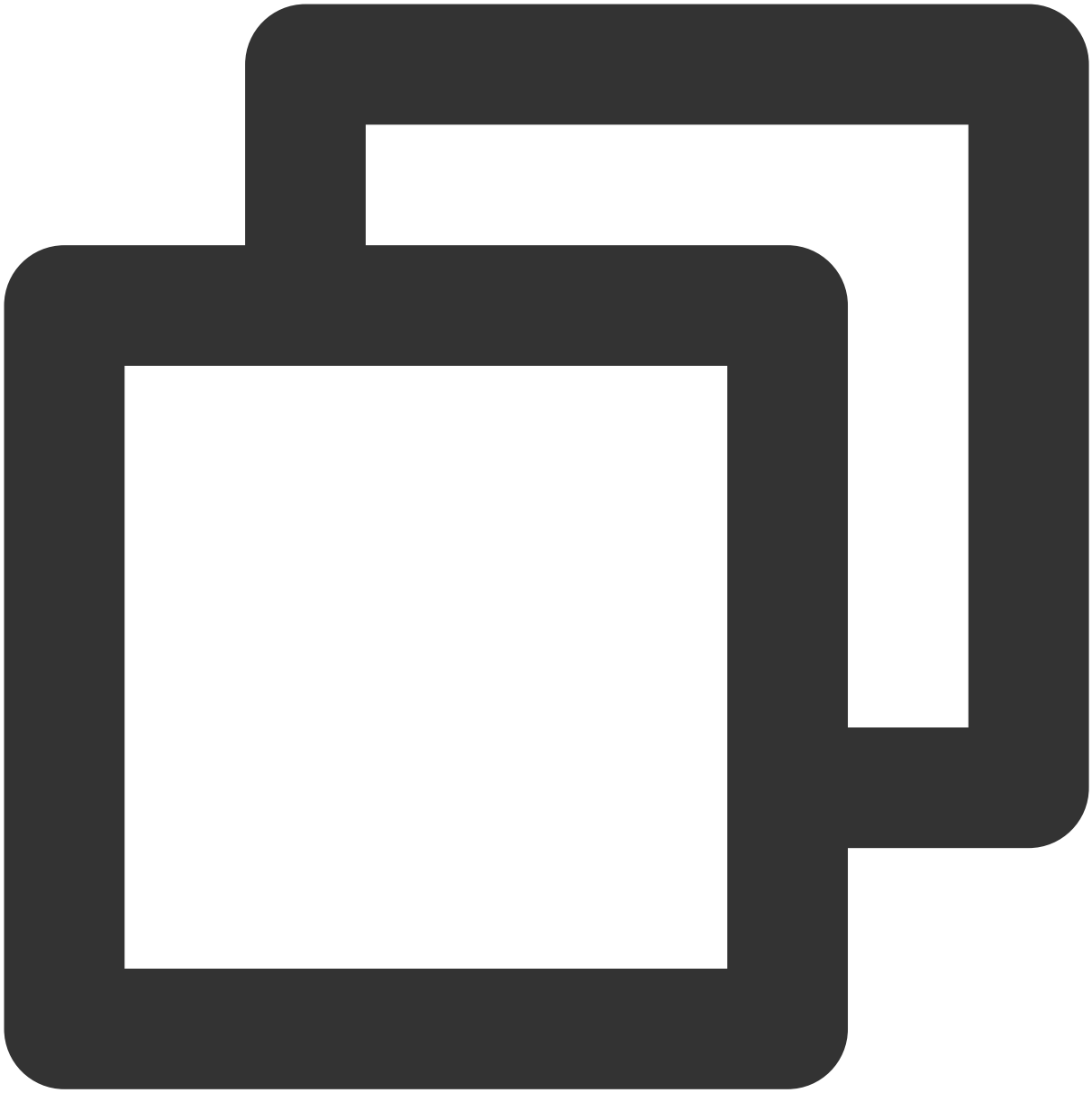
ObjectKey	Object name, such as `folder/sample.jpg` .	String	Yes
type	Blind watermarking type. Valid values: `1` (semi-blind watermarking), `2` (perfectly blind watermarking), `3` (text blind watermarking)	Int	Yes

image	URL of the blind image watermark, which must be URL-safe Base64 encoded. This parameter is required if `type` is set to `1` or `2` , and does not take effect if `type` is set to `3` . The image watermark must:
	1. Be stored in the same bucket as the input image.
	2. Have a URL that starts with http://. Note that "http://" cannot be omitted or changed to "https://". For example, the following watermark URLs are invalid:
	`examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/watermark.png`
	`https://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/watermark.png`
		String	No

text	Text watermark, which must be URL-safe Base64-encoded. This parameter is required if `type` is set to `3` and does not take effect if `type` is set to `1` or `2` .	String	No
level	Perfectly blind watermarking level, which only takes effect when `type` is set to `2` . Valid values: `1` (default), `2` , `3` . The larger the value, the better the watermarking effects.	Int	No

Example

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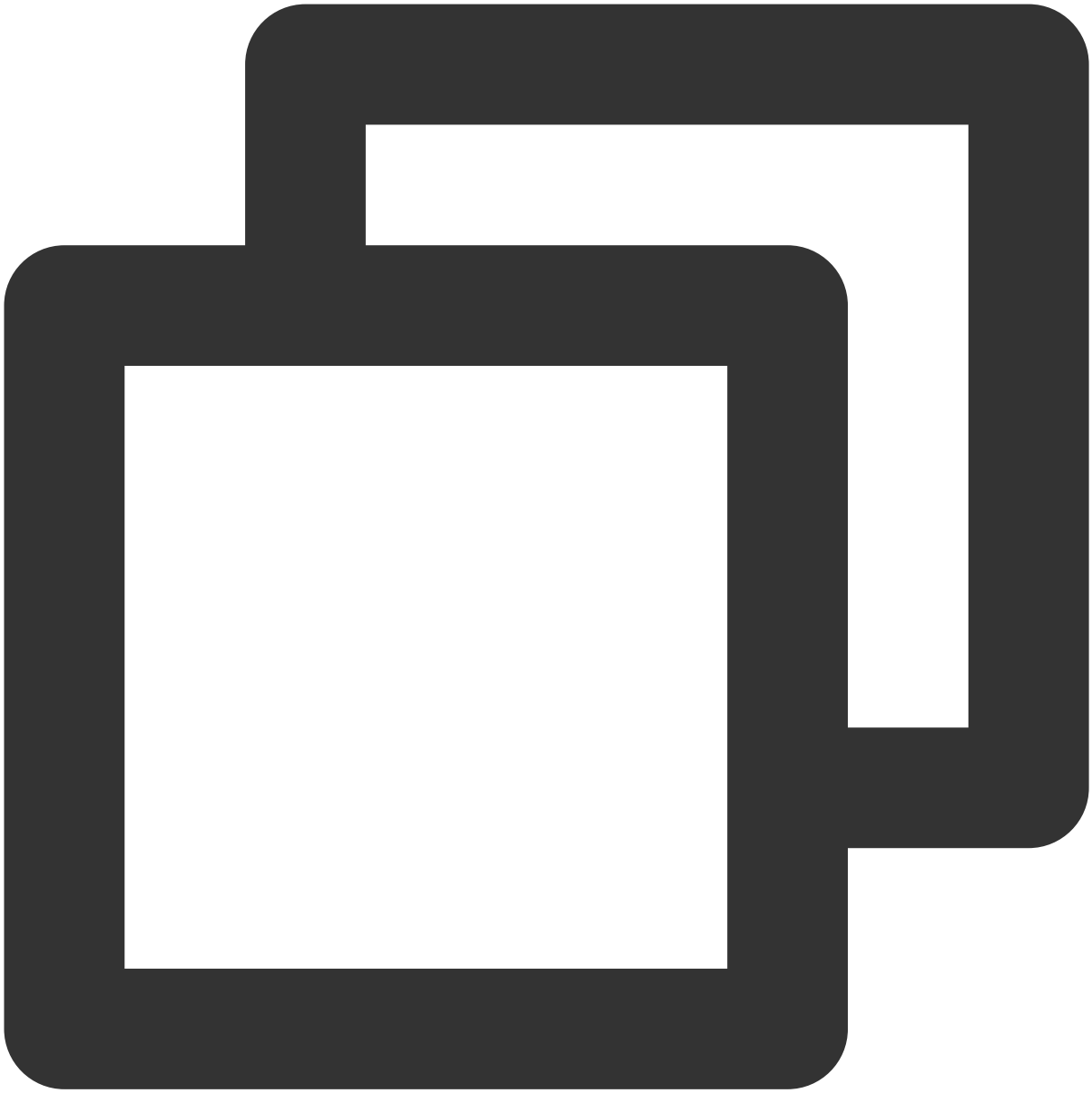
```
https://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/sample.jpeg?watermark
```

Request 3: adding a blind watermark to an image stored in COS

You can call this API to add a blind watermark to an image stored in COS and save the result to COS.

Sample request

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```
POST /<ObjectKey>?image_process HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
Pic-Operations: <PicOperations>
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API uses Common Request Headers.

Add the image processing parameter `Pic-Operations` (a JSON string) to the request header. Its parameters are as follows:

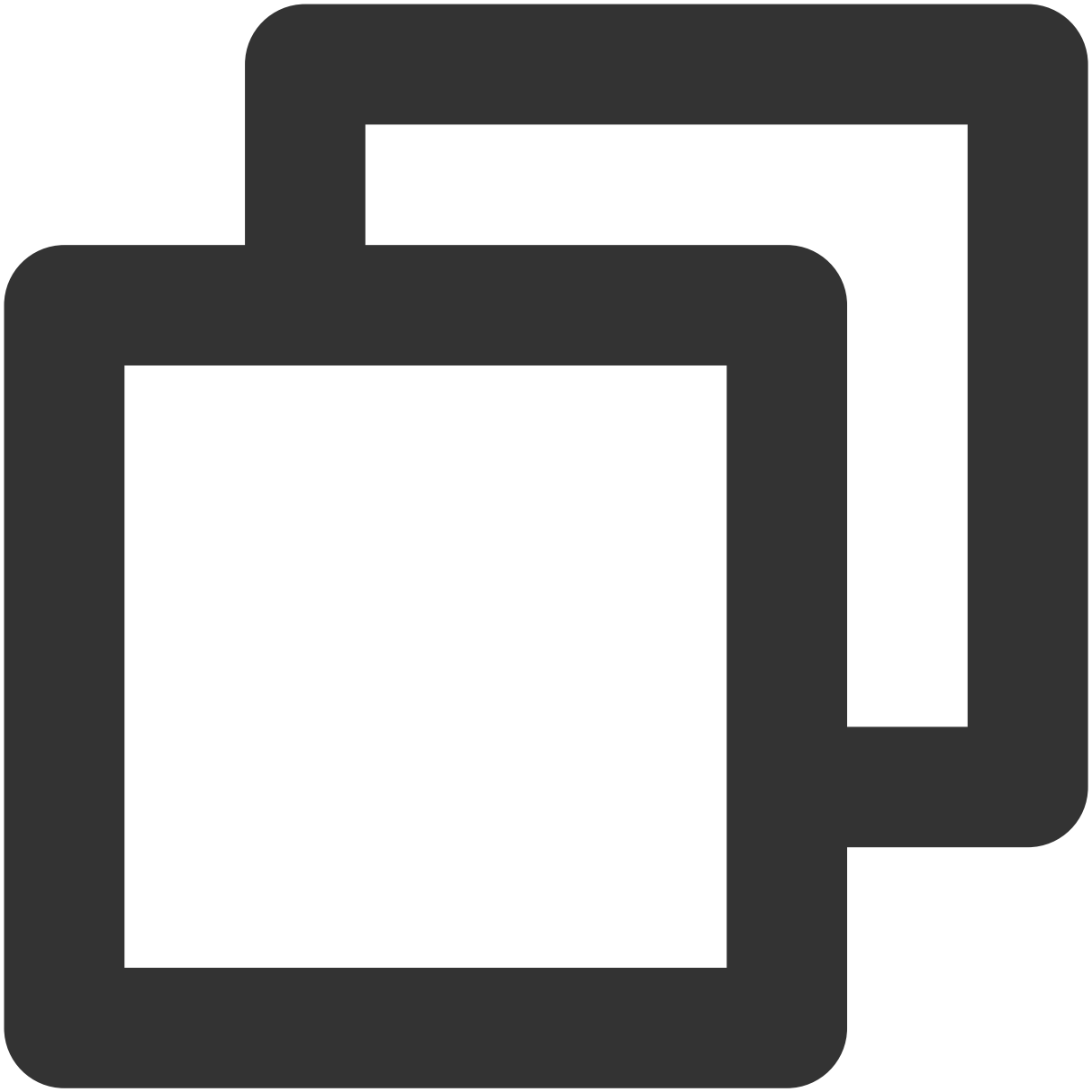
Parameter	Description	Type	Required
is_pic_info	Whether to return the input image information `0` (default): no `1`: yes	Int	No
rules	Processing rules (up to five rules are supported). Each rule corresponds to one processing result. If this parameter is not specified, images will not be processed.	Array	No

Parameters of `rules` (a JSON array) are as follows:

Parameter	Description	Type	Required
bucket	Name of the destination bucket to store the results, formatted as `BucketName-APPID`. If this parameter is not specified, the results will be stored in the current bucket.	String	No
fileid	Storage path and name of the output file. Naming rules are as follows (assume the input file is `/p1/test1.jpg`): 1. A value starting with a slash (/) indicates an absolute path. For example, if fileid is set to /p2/test2.jpg, the test2.jpg file will be stored in the p2 folder. 2. A value not starting with a slash indicates a relative path. For example, if fileid is set to p2/test2.jpg, a folder named p2 will be created in the p1 folder, and the test2.jpg file will be stored in the p2 folder. 3. Note: Do not end the value with a slash; otherwise, an empty filename will be generated.	String	Yes
rule	Processing parameters. For more information, see the image processing API. To process an image by using a specified style, the value must start with `style/`, with the style name followed. For example, if the style name is `test`, the value of `rule` should be `style/test`.	String	Yes

To use blind watermarking, add the watermarking parameter `watermark` to `rule` as follows:

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```
watermark/3/type/<type>/image/<imageUrl>/text/<text>/level/<level>
```

The parameters are as follows:

Parameter	Description	Type	Required
type	Blind watermarking type. Valid values: `1` (semi-blind watermarking), `2` (perfectly blind watermarking), `3` (text blind watermarking)	Int	Yes
image	URL of the blind image watermark, which must be URL-safe Base64-encoded. This parameter is required if `type` is set to `1` or `2`, and	String	No

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	does not take effect if `type` is set to `3`. The image watermark must:
	1. Be stored in the same bucket as the input image.
	2. Have a URL that starts with http://. Note that "http://" cannot be omitted or changed to "https://". For example, the following watermark URLs are invalid:
	`examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/watermark.png`
	`https://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/watermark.png`		

text	Text watermark, which must be URL-safe Base64-encoded. This parameter is required if `type` is set to `3` and does not take effect if `type` is set to `1` or `2`.	String	No
level	Perfectly blind watermarking level, which only takes effect when `type` is set to `2`. Valid values: `1` (default), `2`, `3`. The larger the value, the better the watermarking effects.	Int	No

Request parameters

This API has no request parameter.

Request body

This API does not have a request body.

Response

Response headers

This API only returns Common Response Headers.

Response body

Parameters in the response body are as follows:

Parameter	Description	Type
UploadResult	Upload results	Container

Content of `UploadResult`:

Parameter	Description	Type
OriginalInfo	Information about the input image	Container
ProcessResults	Processing results	Container

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Content of `OriginalInfo` :

Parameter	Description	Type
Key	Name of the input image	String
location	Location of the input image	String
ImageInfo	Information about the input image	Container

Content of `ImageInfo` :

Parameter	Description	Type
Format	Image format	String
Width	Image width	Int
Height	Image height	Int
Quality	Image quality	Int
Ave	Image average hue	String
Orientation	Image rotation angle	Int

Content of `ProcessResults` :

Parameter	Description	Type
Object	Processing results of each image	Container

Content of `Object` :

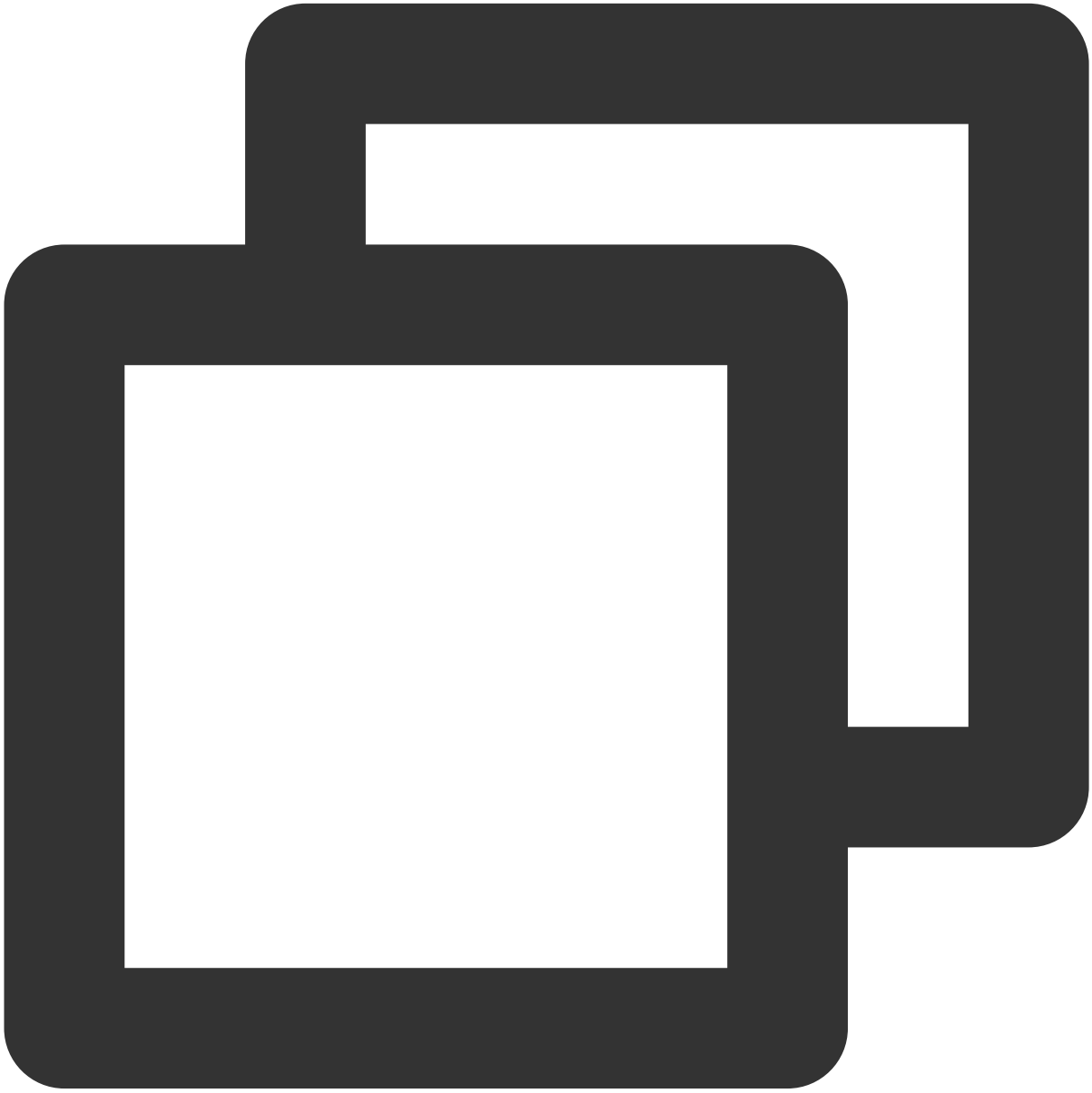
Parameter	Description	Type
Key	Filename	String
location	Location of the input image	String
Format	Image format	String
Width	Image width	Int
Height	Image height	Int
Size	Image size	Int

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Quality	Image quality	Int

Example

Request

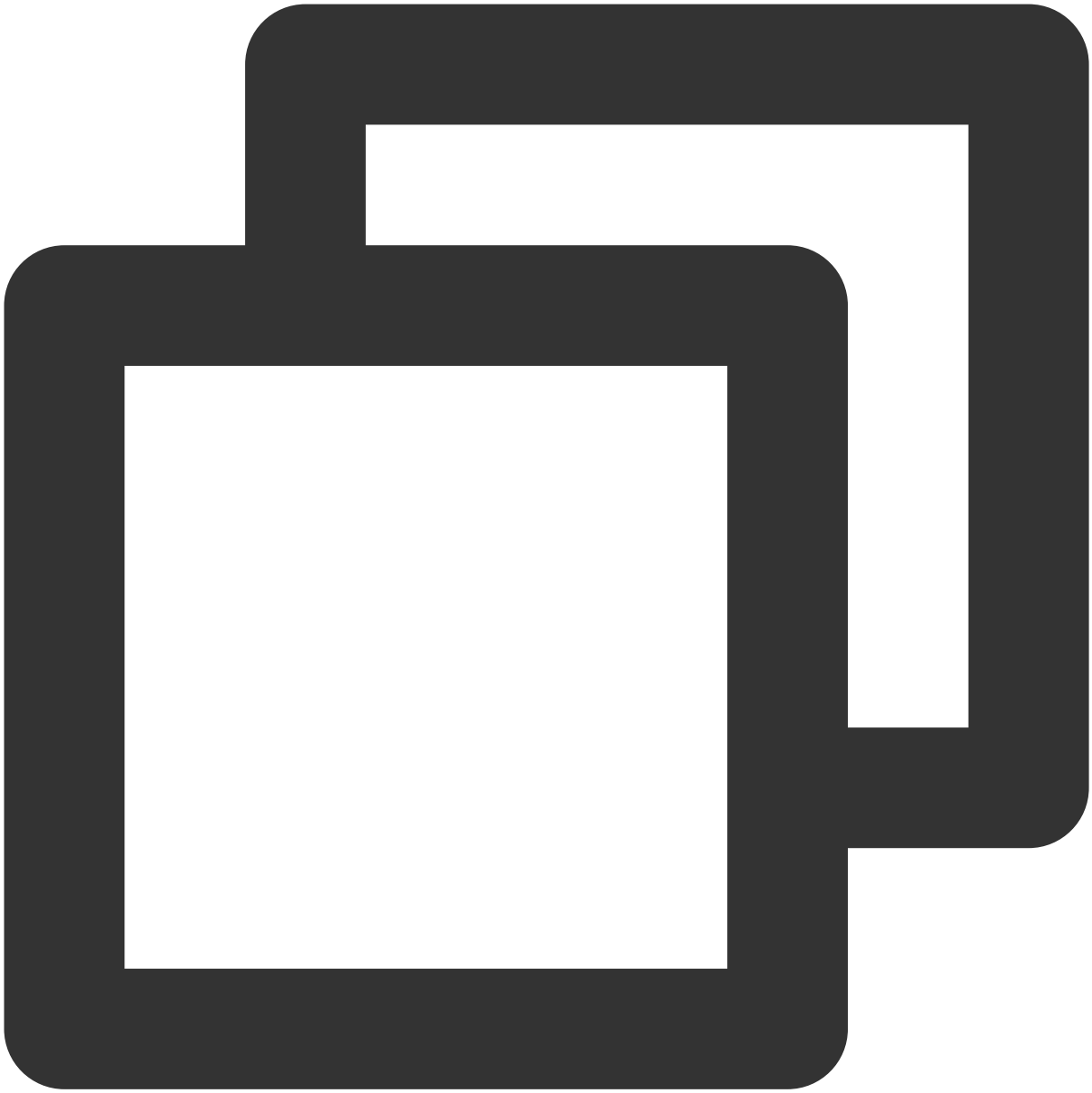


```
POST /exampleobject?image_process HTTP/1.1
Host: examplebucket-1250000000.cos.ap-chengdu.myqcloud.com
Date: Tue, 03 Apr 2018 09:06:15 GMT
Authorization:XXXXXXXXXXXX
```

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```
Pic-Operations:
{
    "is_pic_info": 1,
    "rules": [{
        "fileid": "exampleobject",
        "rule": "watermark/3/type/1/image/aHR0cDovL2V4YW1wbGVzLTEyNTEwMDAwMDQucGljc
    }]
}
Content-Length: 64
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 645
Date: Tue, 03 Apr 2018 09:06:16 GMT
Status: 200 OK
x-cos-request-id: NWFjMzQ0MDZfOTBmYTUwXzZkZV8z****

<UploadResult>
          <OriginalInfo>
              <Key>exampleobject</Key>
              <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/exampl
```

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```
                <ImageInfo>
                     <Format>JPEG</Format>
                     <Width>640</Width>
                     <Height>427</Height>
                     <Quality>100</Quality>
                     <Ave>0xa18454</Ave>
                     <Orientation>1</Orientation>
                </ImageInfo>
            </OriginalInfo>
            <ProcessResults>
                <Object>
                     <Key>exampleobject</Key>
                     <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/e
                     <Format>png</Format>
                     <Width>640</Width>
                     <Height>427</Height>
                     <Size>463092</Size>
                     <Quality>100</Quality>
                </Object>
            </ProcessResults>
 </UploadResult>
```

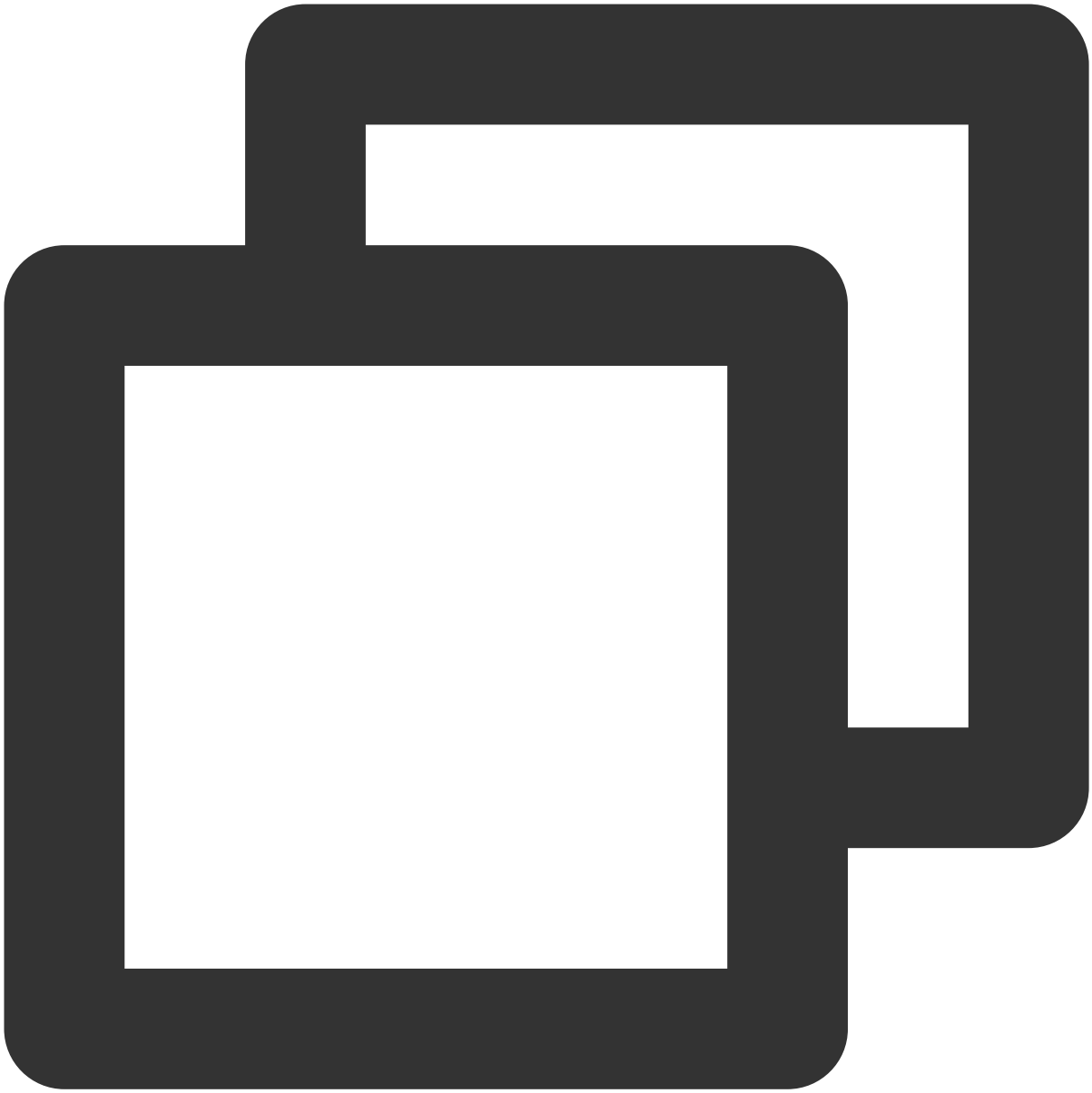
Extracting Blind Watermarks

Example 1: Extracting upon upload

Sample request

The request for uploading an image with the blind watermark extracted is the same as that in a PUT Object call, except that you need to add the image processing parameter `Pic-Operations` to the request header and use the watermark extraction parameter `watermark/4`.

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```
PUT /<ObjectKey> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization:XXXXXXXXXXXX
Pic-Operations: <PicOperations>

[Object Content]
```

Note:

Authorization: Auth String (See Request Signature for details.)

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API uses Common Request Headers.

Add the image processing parameter `Pic-Operations` (a JSON string) to the request header. Its parameters are as follows:

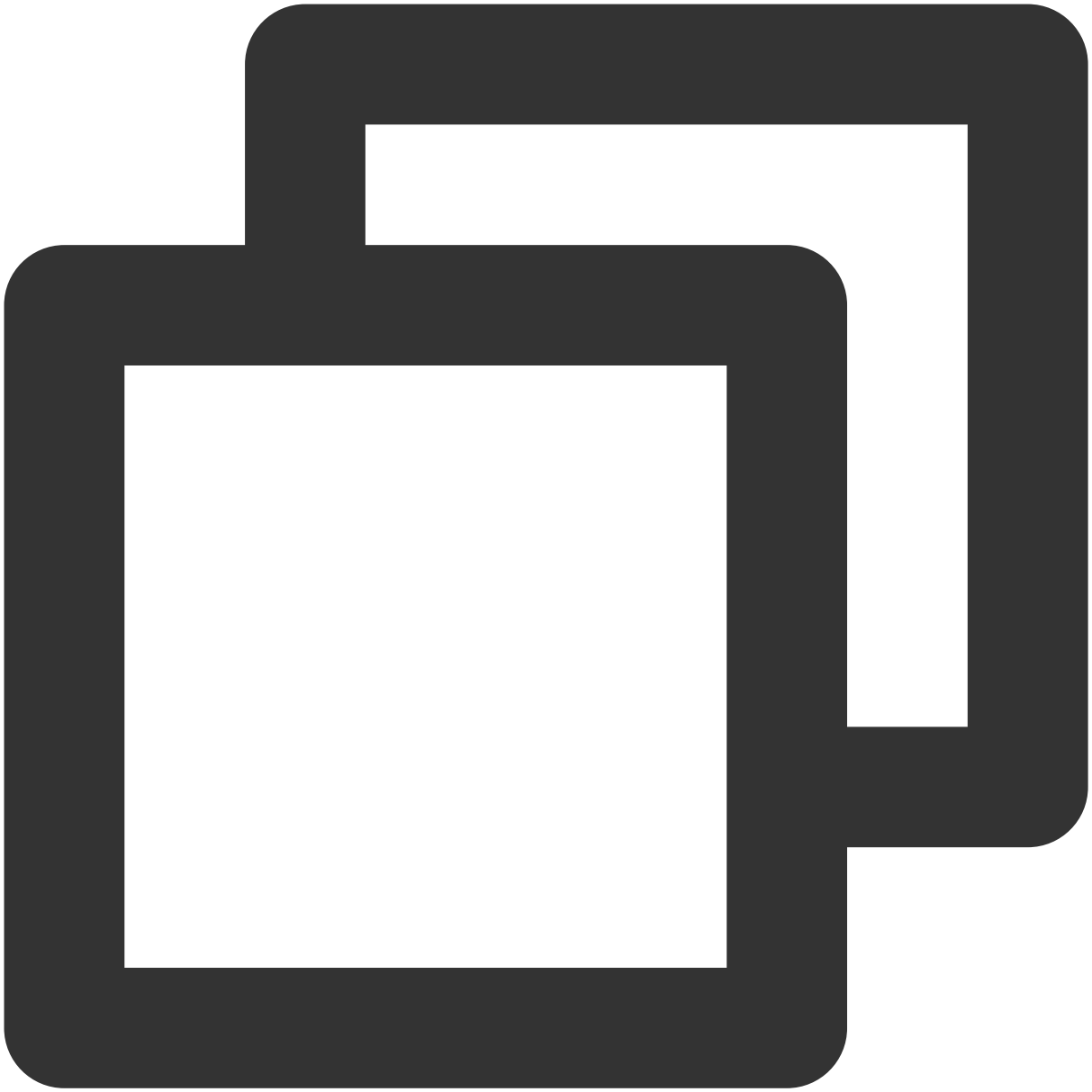
Parameter	Description	Type	Required
is_pic_info	Whether to return the input image information `0` (default): no `1`: yes	Int	No
rules	Processing rules (up to five rules are supported). Each rule corresponds to one processing result. If this parameter is not specified, images will not be processed.	Array	No

Parameters of `rules` (a JSON array) are as follows:

Parameter	Description	Type	Required
bucket	Name of the destination bucket to store the results, formatted as `BucketName-APPID`. If this parameter is not specified, the results will be stored in the current bucket.	String	No
fileid	Storage path and name of the output file. Naming rules are as follows (assume the input file is `/p1/test1.jpg`): 1. A value starting with a slash (/) indicates an absolute path. For example, if fileid is set to /p2/test2.jpg, the test2.jpg file will be stored in the p2 folder. 2. A value not starting with a slash indicates a relative path. For example, if fileid is set to p2/test2.jpg, a folder named p2 will be created in the p1 folder, and the test2.jpg file will be stored in the p2 folder. 3. Note: Do not end the value with a slash; otherwise, an empty filename will be generated.	String	Yes
rule	Processing parameters. For more information, see the image processing API. To process an image by using a specified style, the value must start with `style/`, with the style name followed. For example, if the style name is `test`, the value of `rule` should be `style/test`.	String	Yes

To extract a blind watermark, you need to add the `watermark` parameter to `rule` as follows:

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```
watermark/4/type/<type>/image/<imageUrl>
```

The parameters are as follows:

Parameter	Description	Type	Required
type	Blind watermarking type. Valid values: `1` (semi-blind watermarking), `2` (perfectly blind watermarking), `3` (text blind watermarking). **The value must be the same as that used when the blind watermark was added**.	Int	Yes

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image	Image URL, which should be specified according to the value of `type`. If the value of `type` is:
	`1`, `image` is required and is the URL of the input image.
	`2`, `image` is required and is the URL of the image watermark.
	`3`, `image` does not need to be specified and will not take effect.
	The value of `image` must be URL-safe Base64-encoded, and the image must: 1. Be stored in the same bucket as the image with the blind watermark. 2. Have a URL that starts with `http://`. Note that "http://" cannot be omitted or changed to "https://". For example, the following watermark URLs are invalid:
	`examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/watermark.png`
	`https://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/watermark.png`
		String	No

Request parameters

This API has no request parameter.

Request body

The request body of the API is the binary string of the image.

Response

Response headers

This API only returns Common Response Headers.

Response body

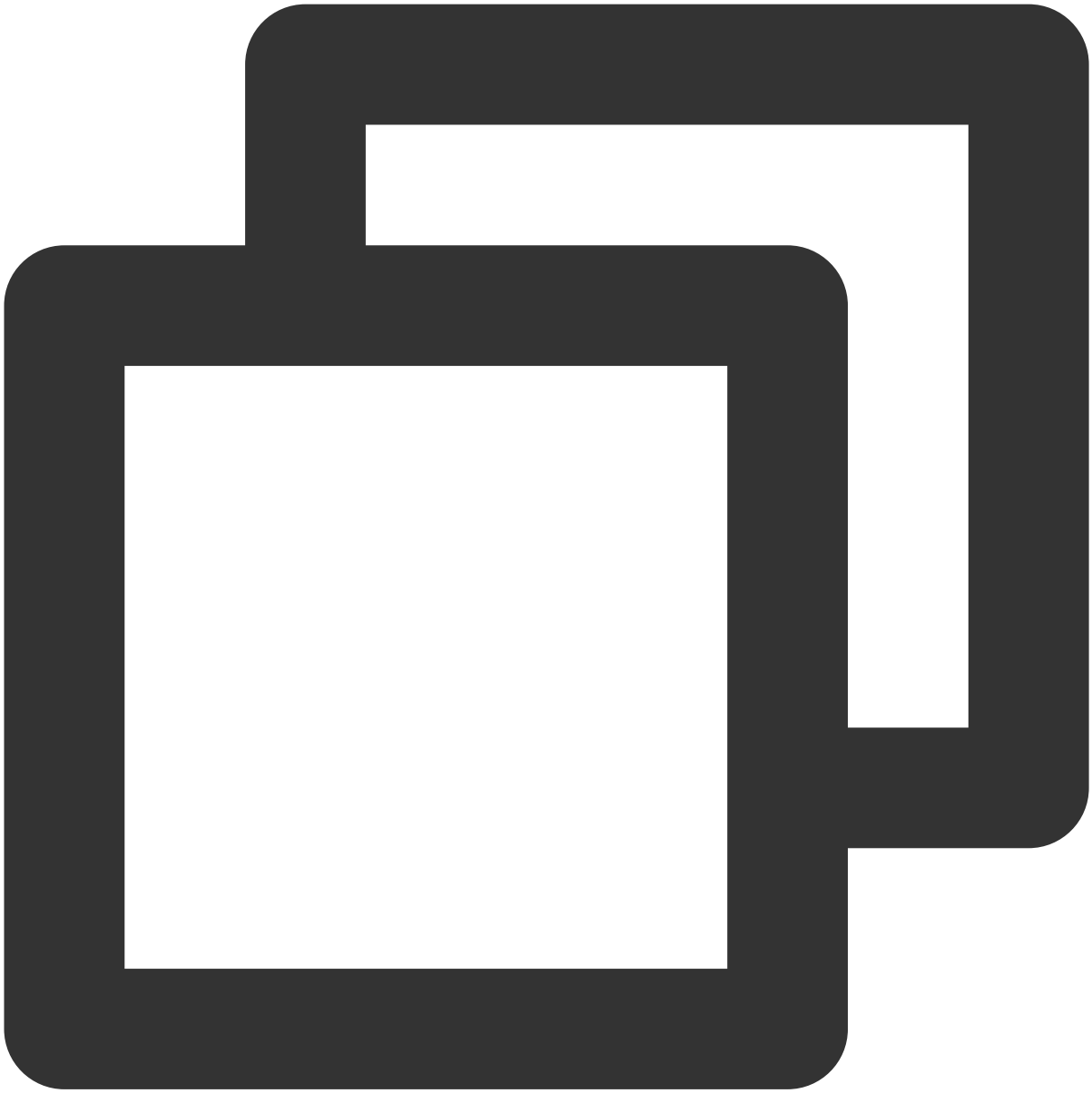
`WatermarkStatus` will be added to the `UploadResult.ProcessResults.Object` node only if `type` is set to `2` in the request body of the blind watermark extraction request.

Parameter	Parent Node	Description	Type
WatermarkStatus	Object	This parameter is returned if `type` is set to `2` to indicate the confidence of the watermark extracted. Value range: 0–100. If the value is greater than 75, there is a blind watermark. If the value falls in the range of 60–75, there is a suspected blind watermark. If the value is smaller than 60, no blind watermark is extracted.	Int

Example

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Request



```
PUT /exampleobject1 HTTP/1.1
Host: examplebucket-1250000000.cos.ap-chengdu.myqcloud.com
Date: Tue, 03 Apr 2018 09:06:15 GMT
Authorization:XXXXXXXXXXXX

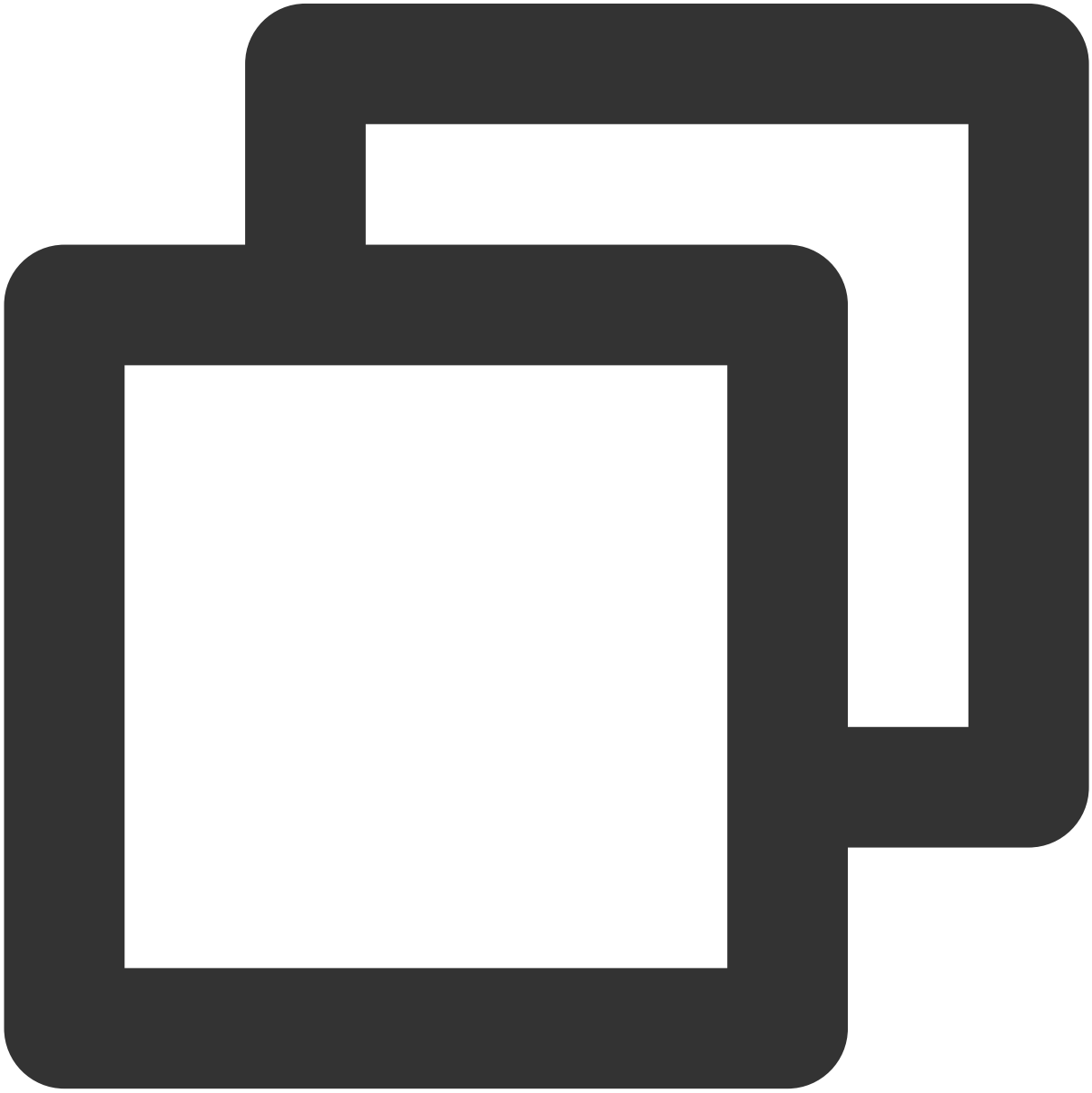
Pic-Operations:
{
    "is_pic_info": 1,
    "rules": [{
```

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```
        "fileid": "exampleobject2",
        "rule": "watermark/4/type/2/image/aHR0cDovL2V4YW1wbGVzLTEyNTEwMDAwMDQucGljc
    }]
}
Content-Length: 64

[Object Content]
```

Response



```
HTTP/1.1 200 OK
```

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```
Content-Type: application/xml
Content-Length: 645
Date: Tue, 03 Apr 2018 09:06:16 GMT
Status: 200 OK
x-cos-request-id: NWFjMzQ0MDZfOTBmYTUwXzZkZV8z****

<UploadResult>
      <OriginalInfo>
          <Key>exampleobject1</Key>
          <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/exampleobj
          <ImageInfo>
                <Format>JPEG</Format>
                <Width>640</Width>
                <Height>427</Height>
                <Quality>100</Quality>
                <Ave>0xa18454</Ave>
                <Orientation>1</Orientation>
                <FrameCount>1</FrameCount>
          </ImageInfo>
      </OriginalInfo>
      <ProcessResults>
          <Object>
                <Key>exampleobject2</Key>
                <Location>examplebucket-1250000000.cos.ap-chengdu.myqcloud.com/exam
                <Format>png</Format>
                <Width>640</Width>
                <Height>427</Height>
                <Size>463092</Size>
                <Quality>100</Quality>
                <FrameCount>1</FrameCount>
                <WatermarkStatus>86</WatermarkStatus>
          </Object>
      </ProcessResults>
</UploadResult>
```

Note:

If `type` is set to `1` in the request, `imageUrl` in `rule` in `Pic-Operations` is the URL of the input image without a blind watermark added. If `type` is set to `2` in the request, `imageUrl` is the URL of the image watermark.

`url` in `ProcessResults` in the response body is the URL of the image watermark extracted.

Example 2: Extracting from an image stored in COS

The request for extracting a blind watermark from an image stored in COS is the same as that used to Process In-Cloud Data, except that you need to add the image processing parameter `Pic-Operations` to the request header and use the watermark extraction parameter `watermark/4` .

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Abnormal Image Detection

Last updated：2024-02-18 10:36:36

Feature Overview

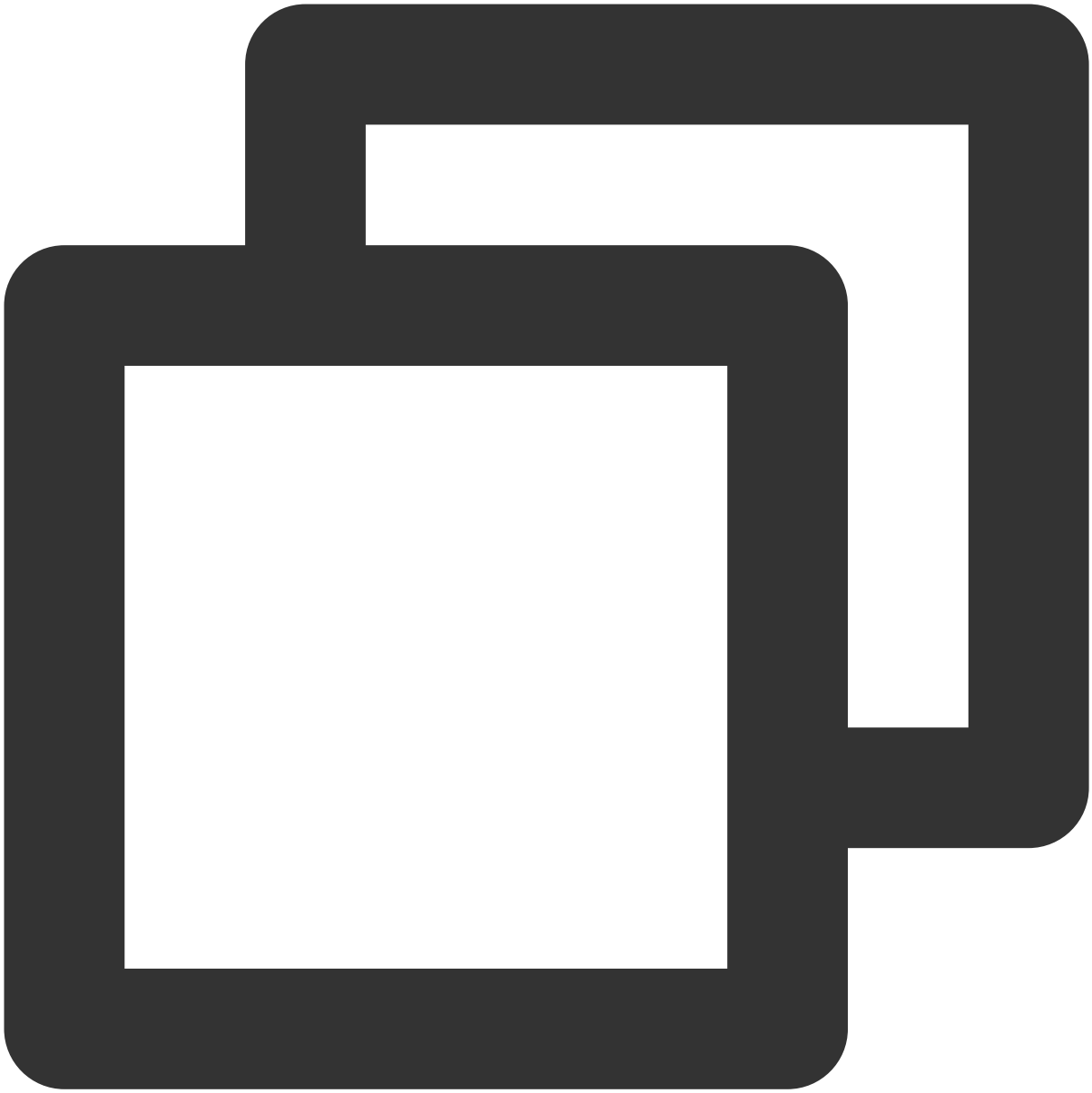
CI uses the **ImageInspect** API to detect whether other types of suspicious files are hidden in an image.

Restrictions

Format: This feature can detect three types of abnormal images: PNG with TS video stream, BMP with TS video stream, and TS video stream (with only the extension changed).
Size: The input image cannot be larger than 32 MB, with its width and height not exceeding 30,000 pixels respectively, and the total number of pixels not exceeding 250 million. The width and height of the output image cannot exceed 9,999 pixels respectively. For an animated input image, the total number of pixels (width * height * number of frames) cannot exceed 250 million.

API Format

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```
GET /<ObjectKey>?ci-process=ImageInspect HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Parameters

Request parameters

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Operation name: ImageInspect.

Parameter	Description
ObjectKey	Object name, such as `folder/sample.jpg` .

Response parameters

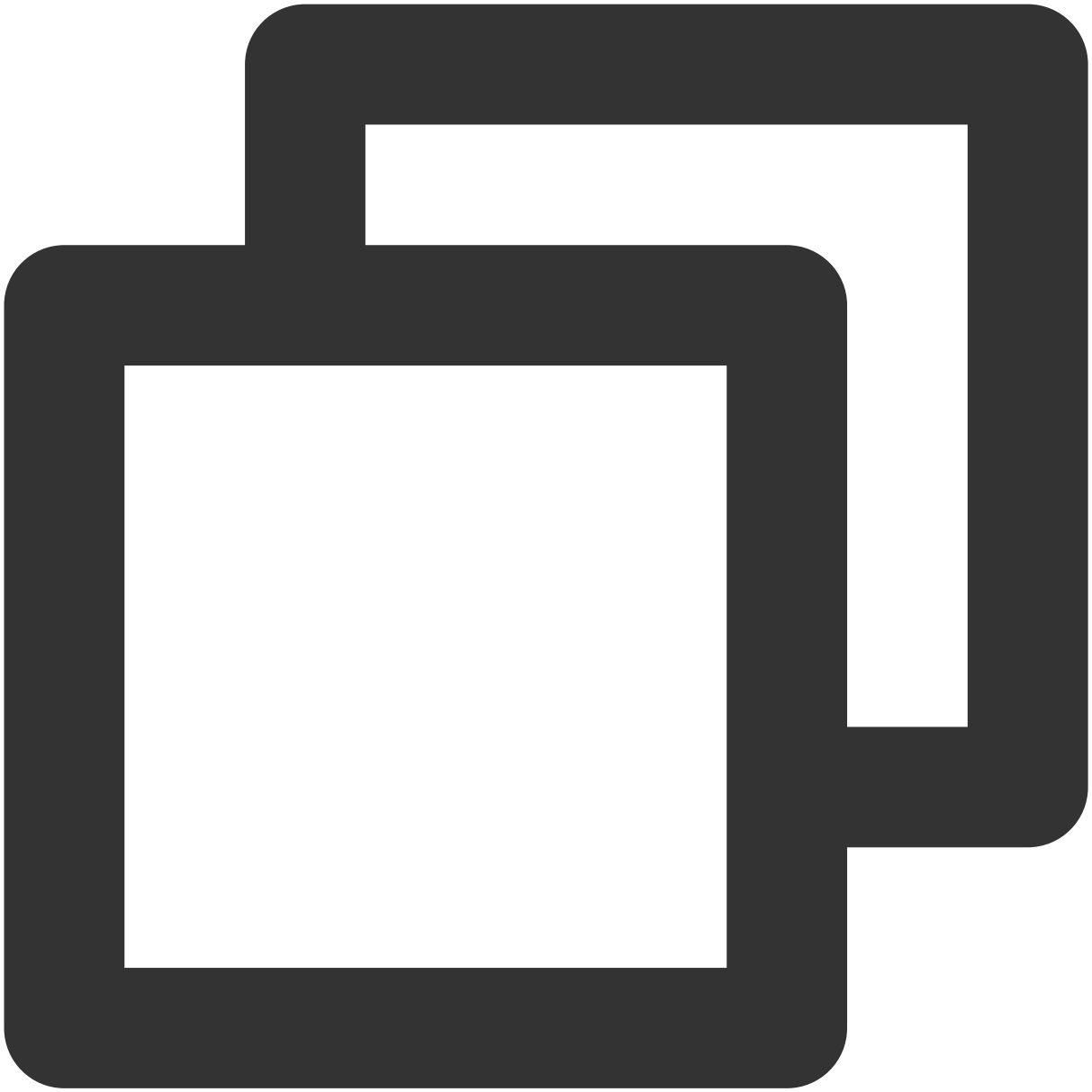
Parameter	Description
picSize	Image size in bytes
picType	Image format, such as JPG and PNG.
suspicious	Whether non-image files are detected. Valid values: `false` (no), `true` (yes).
suspiciousBeginByte	The starting byte position of the detected suspicious file in bytes
suspiciousEndByte	The ending byte position of the detected suspicious file in bytes
suspiciousSize	Size of the detected suspicious file
suspiciousType	Type of the detected suspicious file, such as MPEG-TS.

Examples

Example 1: Public-read

Request

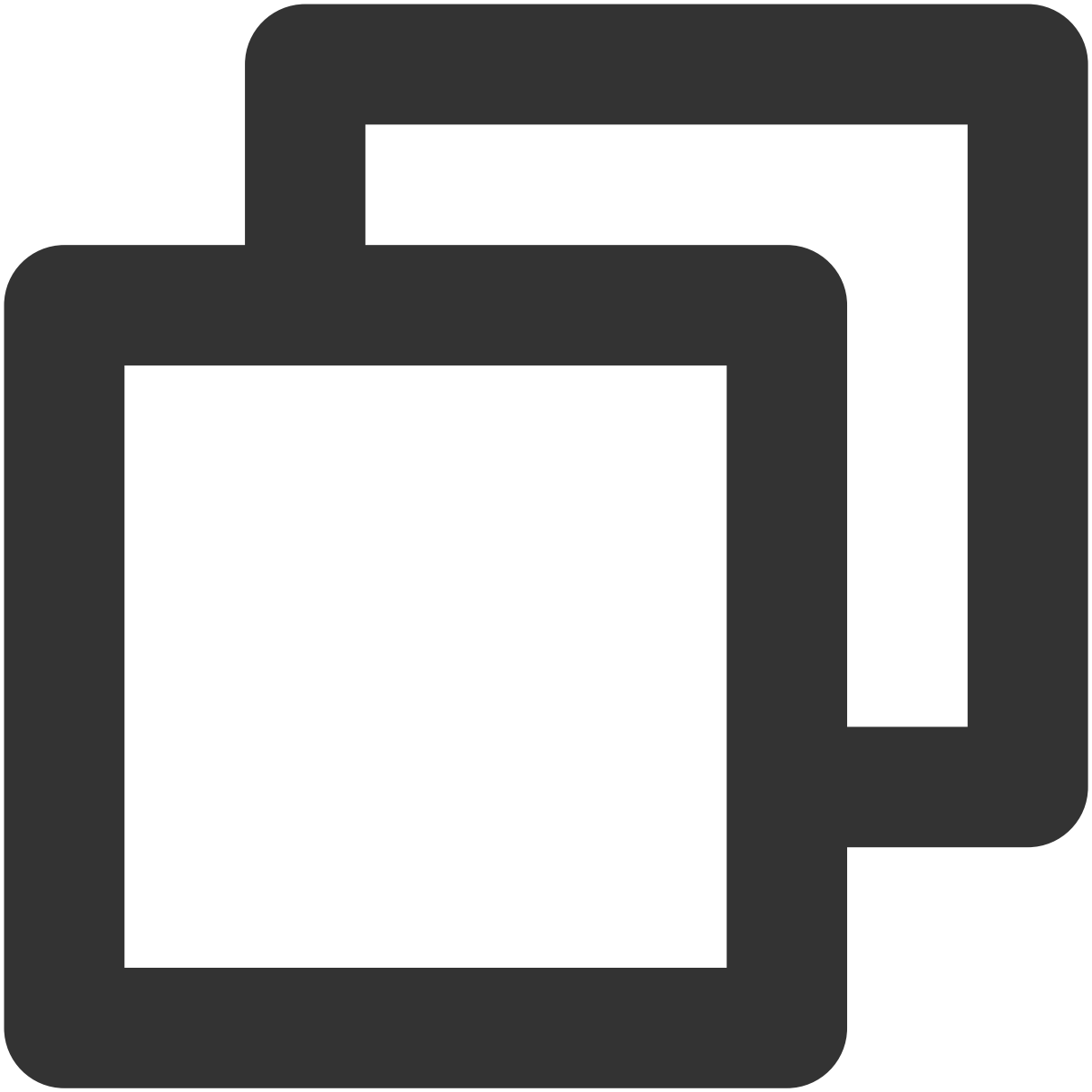
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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?ci-process=Imag
```

Response

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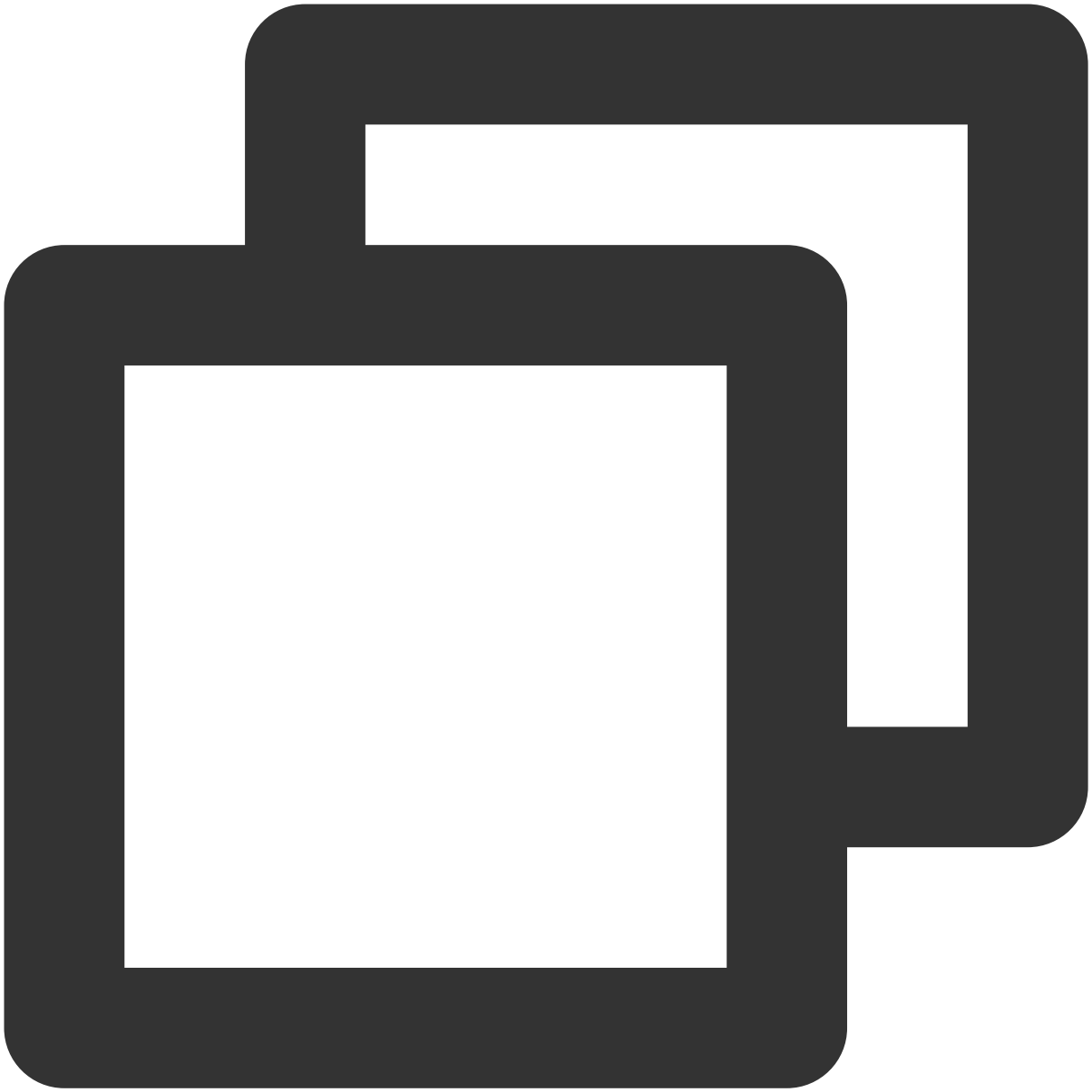


{"picSize":1097476,"picType":"PNG","suspicious":true,"suspiciousBeginByte":120,"sus

Example 2: Private-read with a signature carried

This example obtains the average hue in the same way as in the example above except that a signature is carried. The signature is joined with other parameters using an ampersand (&):

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```
http://examples-1251000004.cos.ap-shanghai.myqcloud.com/sample.jpeg?q-sign-algorith
```

Note:

You can obtain the value of `<signature>` by referring to Request Signature.

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Queue APIs
Querying Queue

Last updated：2024-02-18 10:36:35

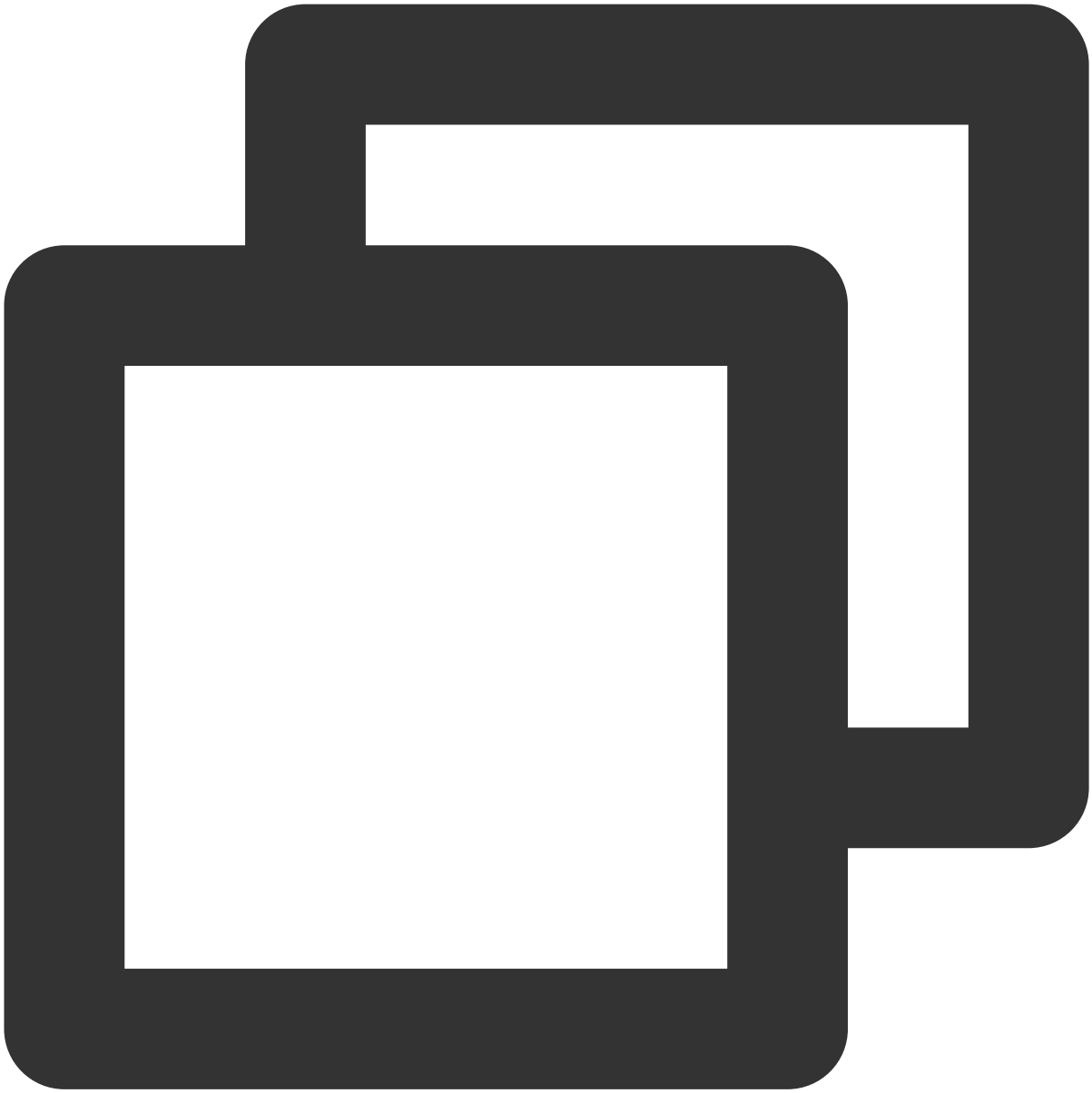
Feature Description

This API is used to search for an image processing queue.

Request

Sample request

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```
GET /picqueue HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter (Keyword)	Description	Type	Required
queueIds	Queue ID. If you enter multiple IDs, separate them by comma.	String	No
state	1. Active: Jobs in the queue will be scheduled and executed by the media processing service. 2. Paused: The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the Paused status, while jobs being executed will not be affected.	String	No
pageNumber	Page number. Default value: `1` .	String	No
pageSize	Number of entries per page. Default value: `10` .	String	No

Response

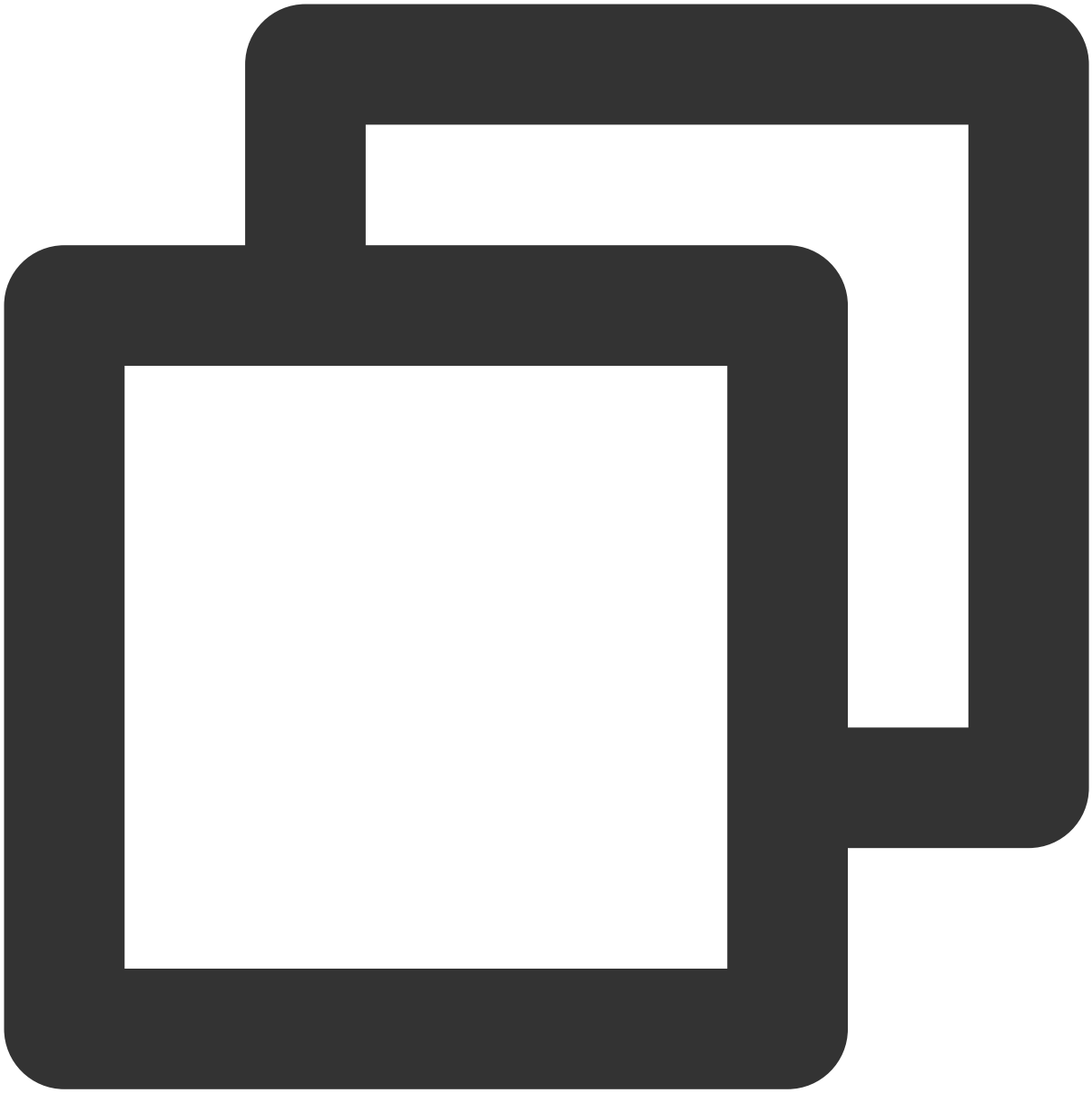
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes when `pageNumber` and `pageSize` are specified:

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```
<Response>
    <RequestId>NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x</RequestId>
    <TotalCount>1</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <QueueList>
        <QueueId>p8366c460c67b4c65a9bf81b41eaa3c4b</QueueId>
        <Name>queue-pic-process-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
```

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```
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>PicProcessing</Category>
    </QueueList>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of queues	Int
PageNumber	Response	Current page number, which is the same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
QueueList	Response	Queue array	Container array
NonExistPIDs	Response	List of IDs of non-existent queues	String array

`QueueList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueId	Response.QueueList	Queue ID	String
Name	Response.QueueList	Queue name	String

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State	Response.QueueList	Current status: `Active` or `Paused`	String
NotifyConfig	Response.QueueList	Callback configuration	Container
MaxSize	Response.QueueList	Maximum length of the queue	Int
MaxConcurrent	Response.QueueList	Maximum number of concurrent jobs in the current queue	Int
Category	Response.QueueList	Queue type	String
UpdateTime	Response.QueueList	Update time	String
CreateTime	Response.QueueList	Creation time	String

`NotifyConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Url	Response.QueueList.NotifyConfig	Callback address	String
State	Response.QueueList.NotifyConfig	Switch status: `On` or `Off`	String
Type	Response.QueueList.NotifyConfig	Callback type: Url	String
Event	Response.QueueList.NotifyConfig	Job completed: `TaskFinish`; workflow completed: `WorkflowFinish`	String
ResultFormat	Response.QueueList.NotifyConfig	Callback type: `XML` or `JSON`.	String

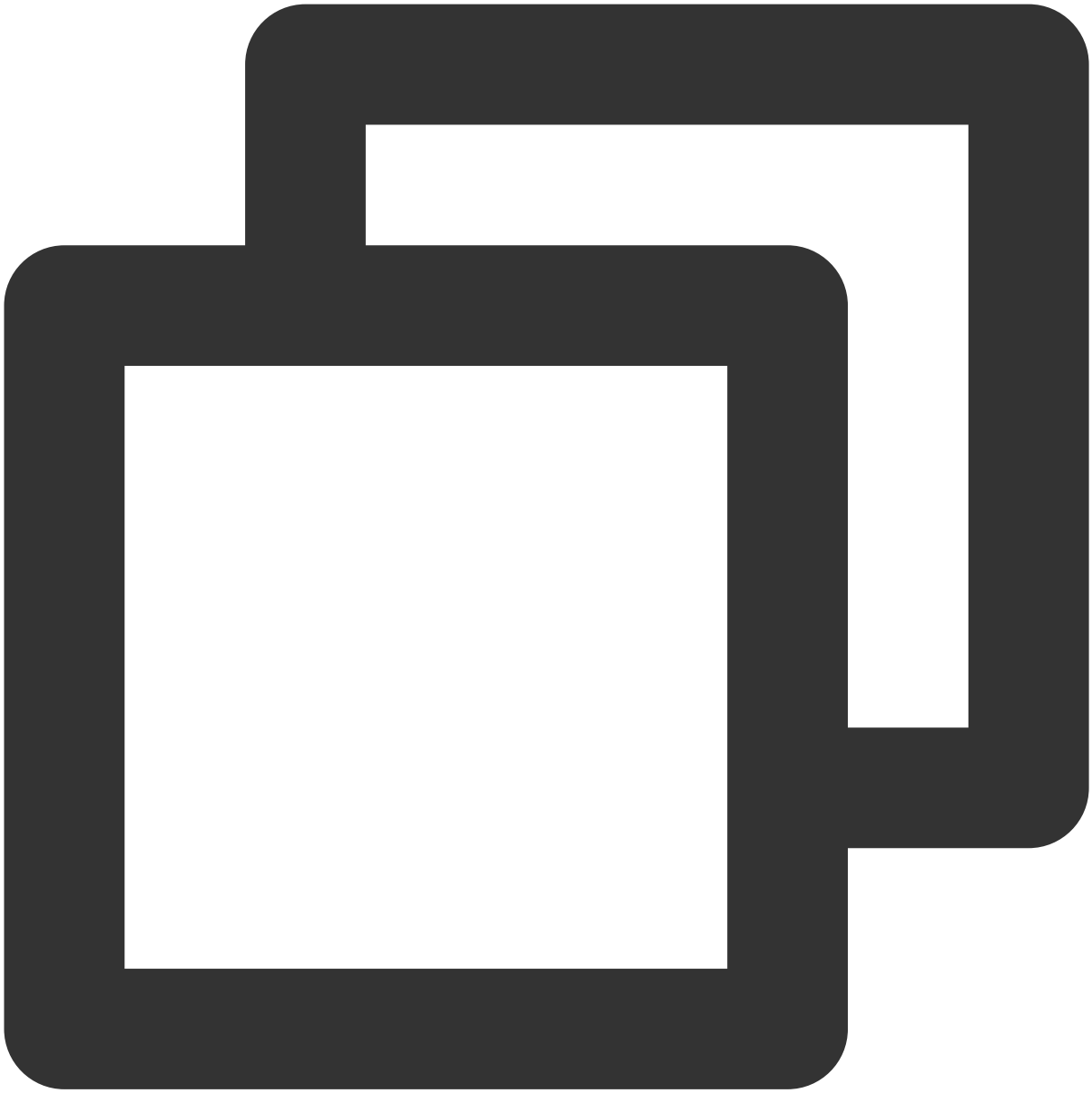
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1: Searching for the specified queue

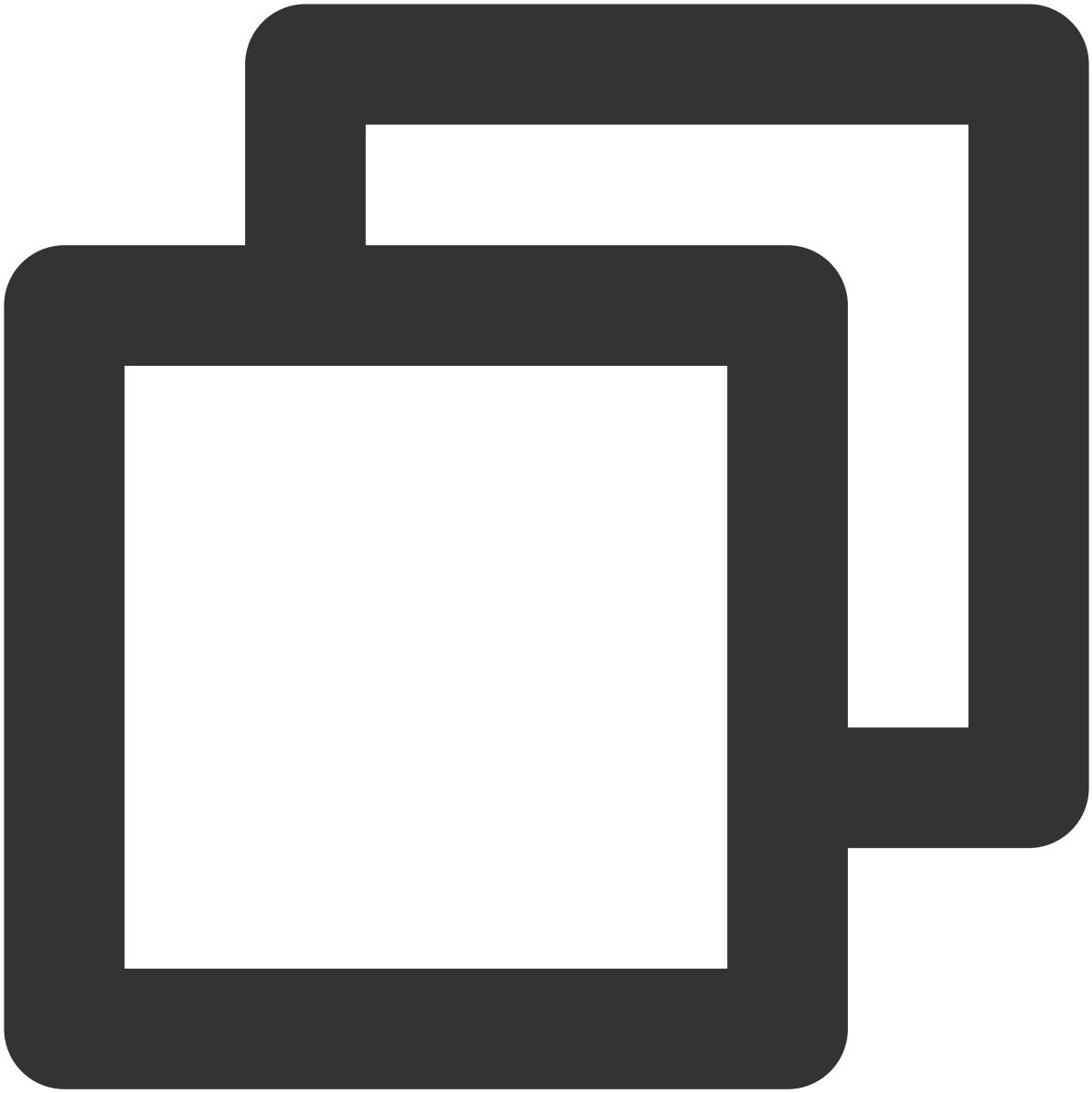
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```
GET /picqueue?queueIds=pb926e1dce3ed4e47a4f08692164f4869,A,B HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response 1

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmMzJjNDFfOTBmYTUwNjRfNjQ5NF8x

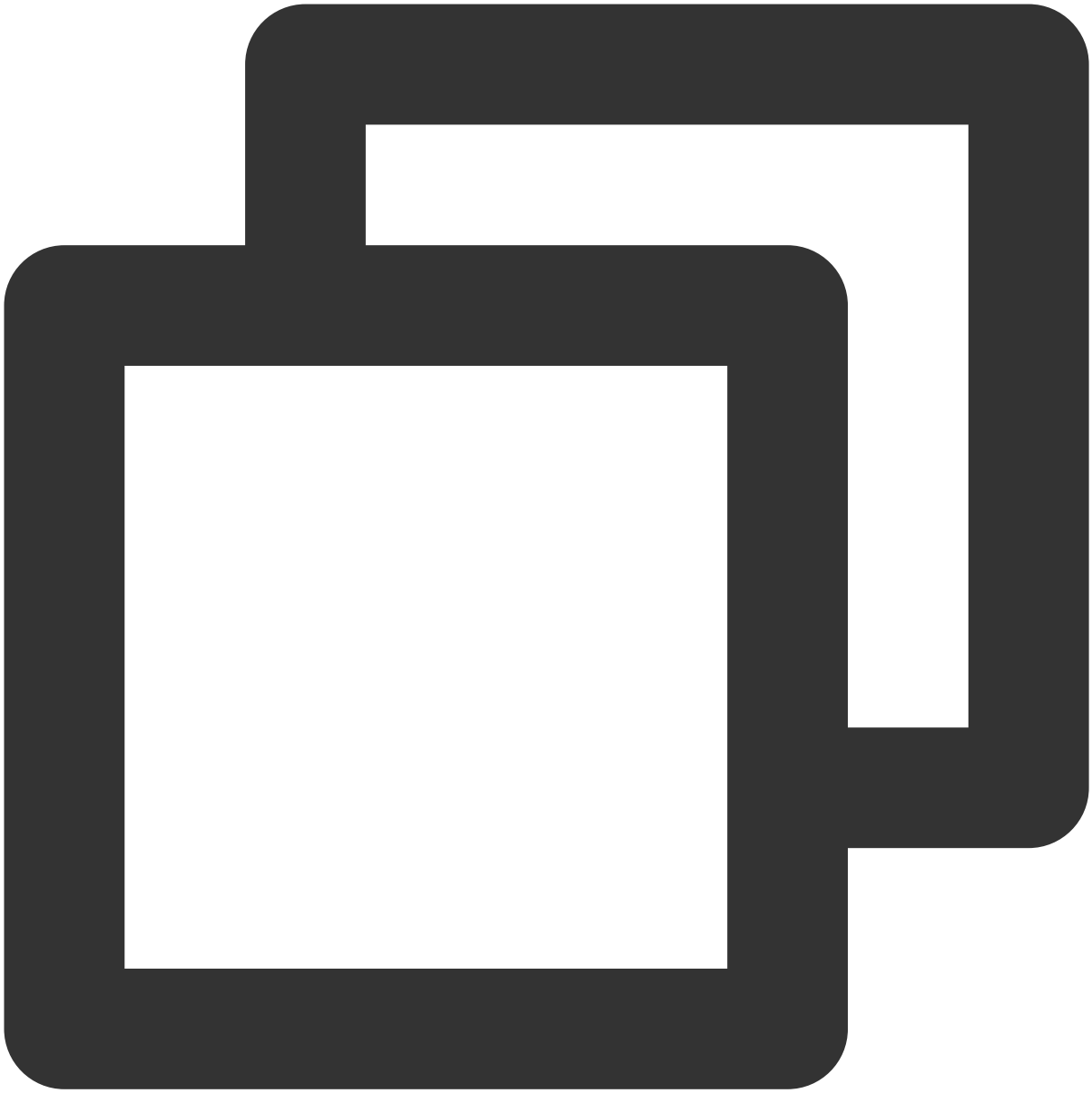
<Response>
    <RequestId>NjJmMzJjNDFfOTBmYTUwNjRfNjQ5NF8x</RequestId>
    <QueueList>
```

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```
        <QueueId>p8366c460c67b4c65a9bf81b41eaa3c4b</QueueId>
        <Name>queue-pic-process-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>PicProcessing</Category>
    </QueueList>
    <NonExistPIDs>A</NonExistPIDs>
    <NonExistPIDs>B</NonExistPIDs>
</Response>
```

Request 2: Querying the list of queues

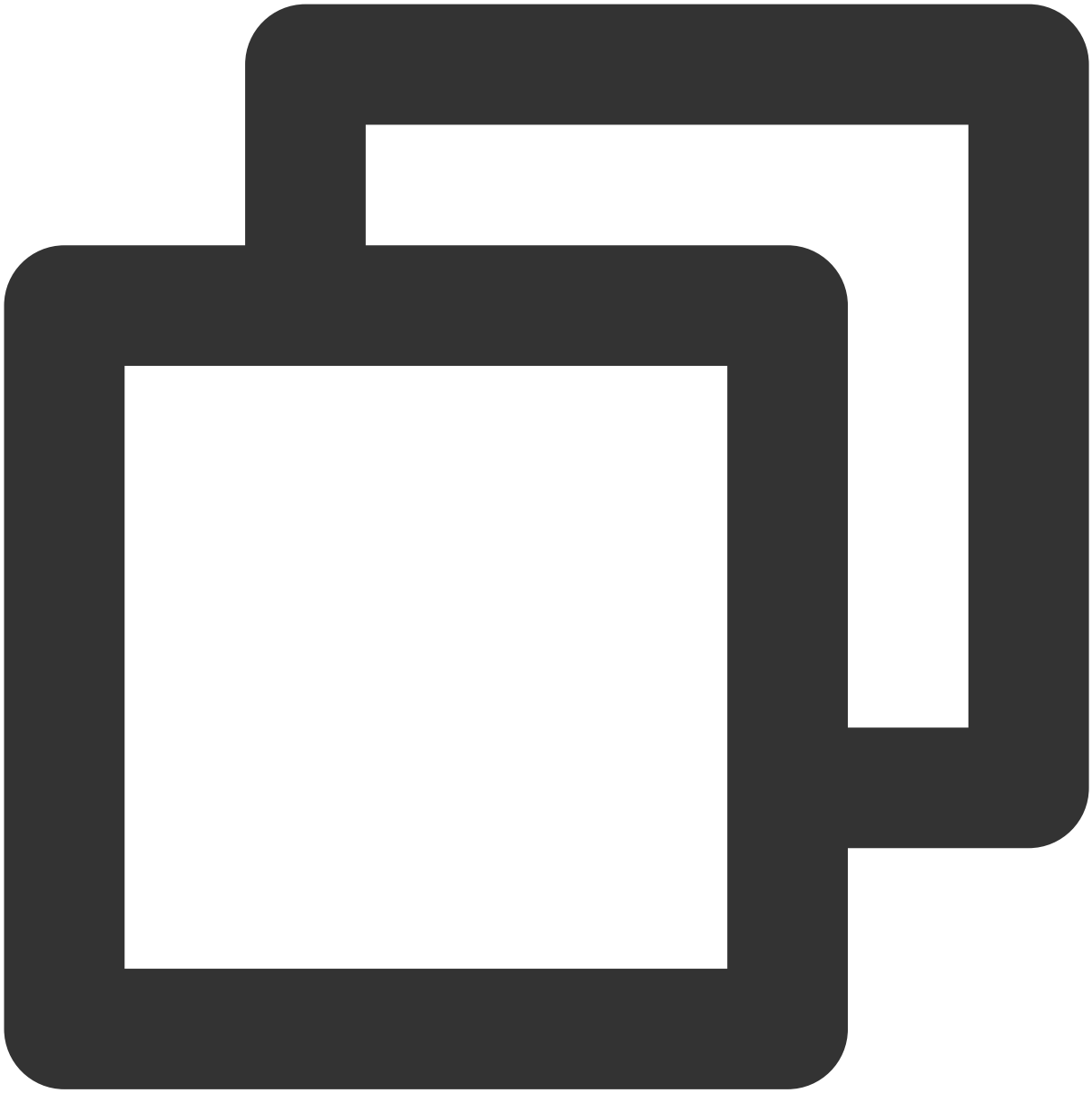
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```
GET /picqueue?pageSize=10&pageNumber=1&category=CateAll HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response 2

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x

<Response>
    <RequestId>NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x</RequestId>
    <TotalCount>1</TotalCount>
```

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```
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <QueueList>
        <QueueId>p8366c460c67b4c65a9bf81b41eaa3c4b</QueueId>
        <Name>queue-pic-process-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>PicProcessing</Category>
    </QueueList>
</Response>
```

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Updating Queue

Last updated：2024-02-18 10:36:35

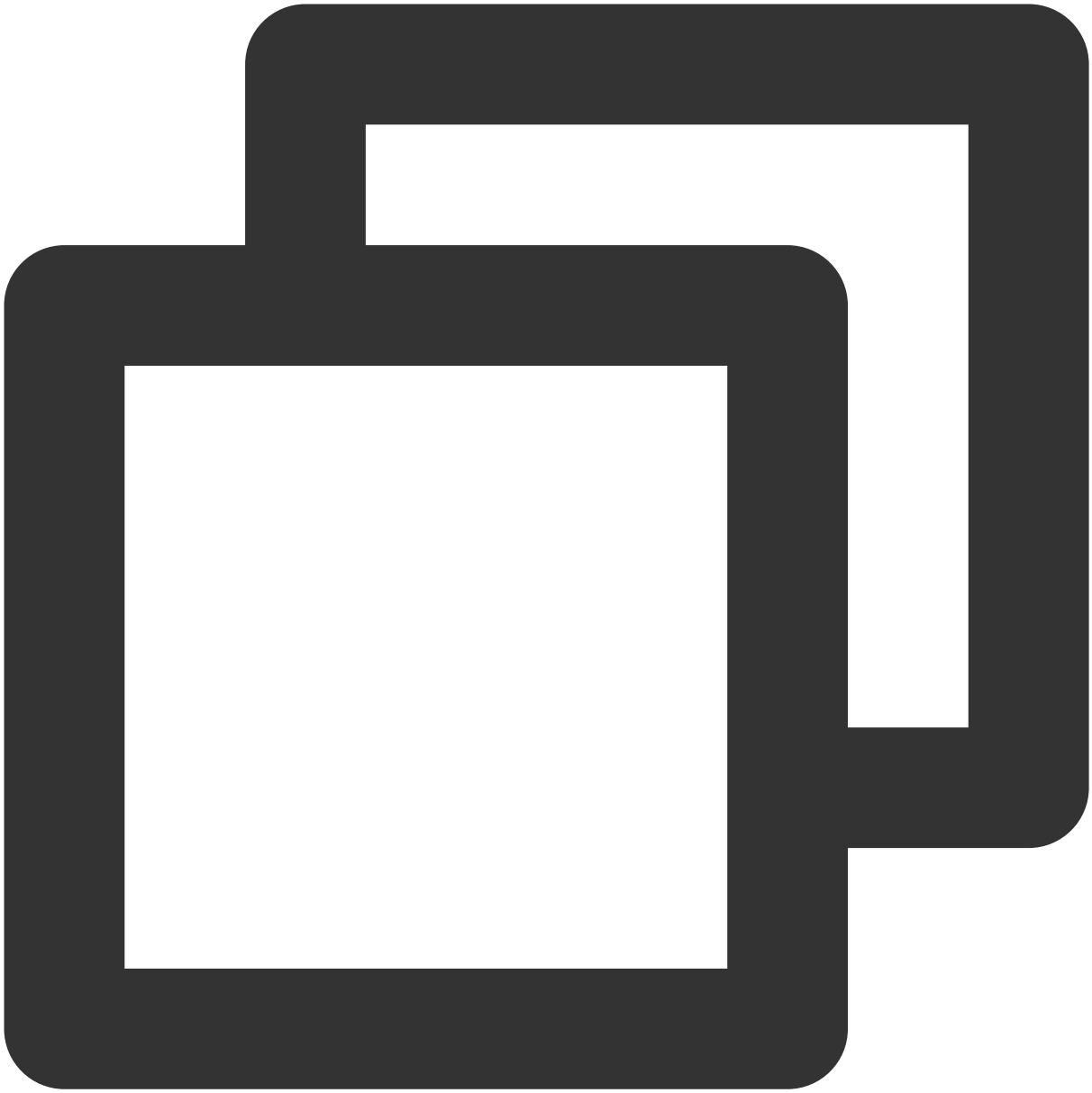
Feature Description

This API is used to update an image processing queue.

Request

Sample request

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```
PUT /picqueue/<queueId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

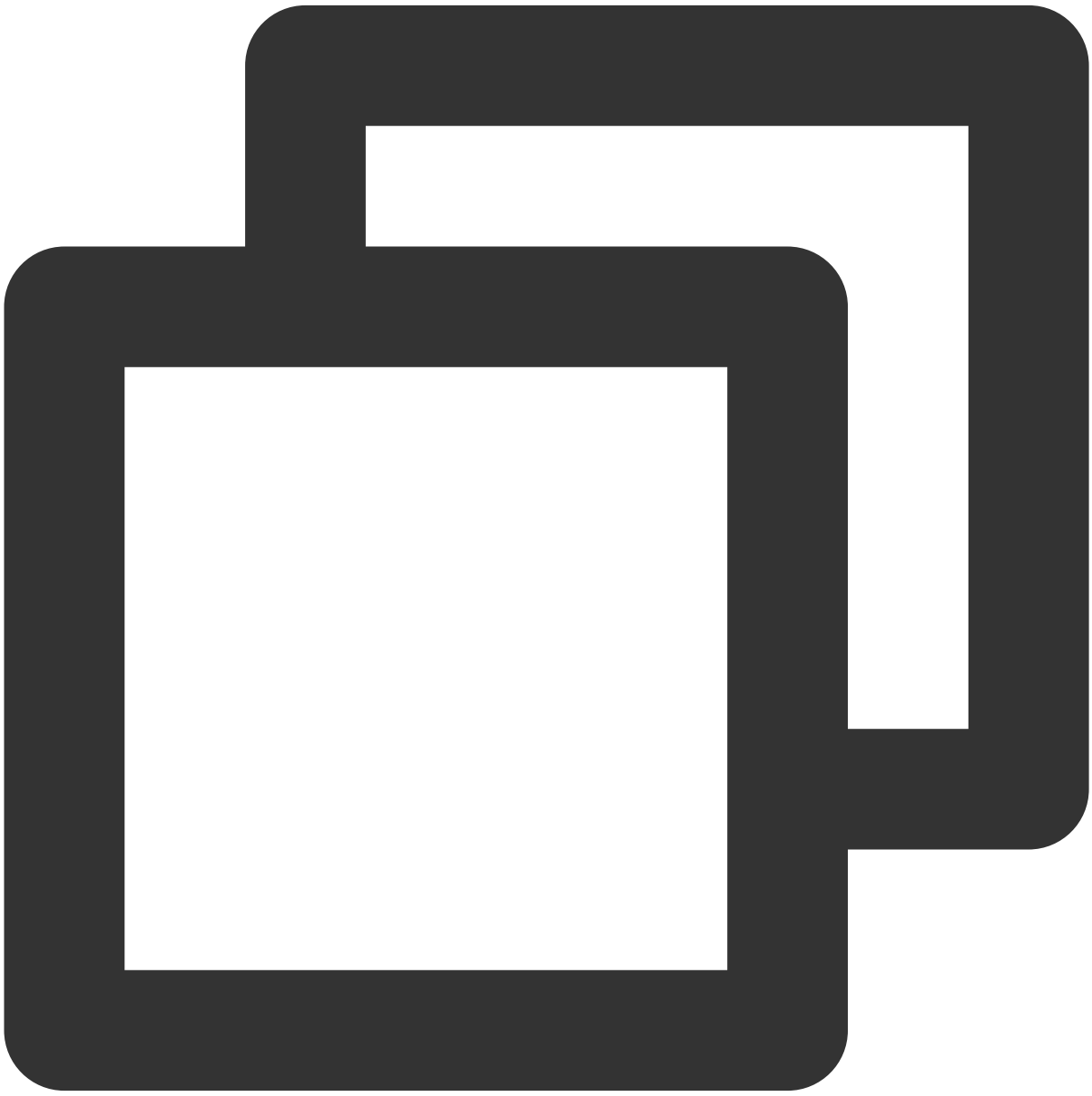
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Name>My-Queue-Pic</Name>
    <State>Active</State>
    <NotifyConfig>
        <State>On</State>
        <Url>http://callback.demo.com</Url>
        <Type>Url</Type>
        <Event>TaskFinish,WorkflowFinish</Event>
        <ResultFormat>JSON</ResultFormat>
    </NotifyConfig>
</Request>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Request	None	Response container	Container	Yes	None	None

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Name	Request	Queue name, which can contain up to 128 bytes.	String	Yes	None	None
State	Request	1. Active: Jobs in the queue will be scheduled and executed by the media processing service. 2. Paused: The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the `Paused` status, while jobs being executed will not be affected.	String	Yes	None	None
NotifyConfig	Request	Callback configuration	Container	Yes	None	None

`NotifyConfig` has the following sub-nodes:

Node Name	Parent Node	Description	Type	Required	Default	Constraints

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(Keyword)					Value	
State	Request.NotifyConfig	Callback status: `Off` or `On`.	String	No	Off	On/Off
Event	Request.NotifyConfig	Callback event	String	Yes if `State` is `On`	None	Job completion: `TaskFinish`; workflow completio `WorkflowFinis`
ResultFormat	Request.NotifyConfig	Callback format	String	No	XML	JSON/XML
Type	Request.NotifyConfig	Callback type	String	Yes if `State` is `On`	None	`Url` or `TDMQ`
Url	Request.NotifyConfig	Callback address	String	Yes if `State` is `On` and `Type` is `Url`	None	The callback addre cannot be a private network address.
MqMode	Request.NotifyConfig	TDMQ queue mode	String	Yes if `State` is `On` and `Type` is `TDMQ`	Queue	`Topic`: Topic subscription `Queue`: Queue service
MqRegion	Request.NotifyConfig	TDMQ region	String	Yes if `State` is `On` and `Type` is `TDMQ`	None	Valid values: `sh` (Shanghai), `bj` (Beijing), `gz` (Guangzhou), `cd` (Chengdu), `hk` (Hong Kong, China
MqName	Request.NotifyConfig	TDMQ topic name	String	Yes if `State` is `On` and	None	None

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				`Type` is `TDMQ`		

Response

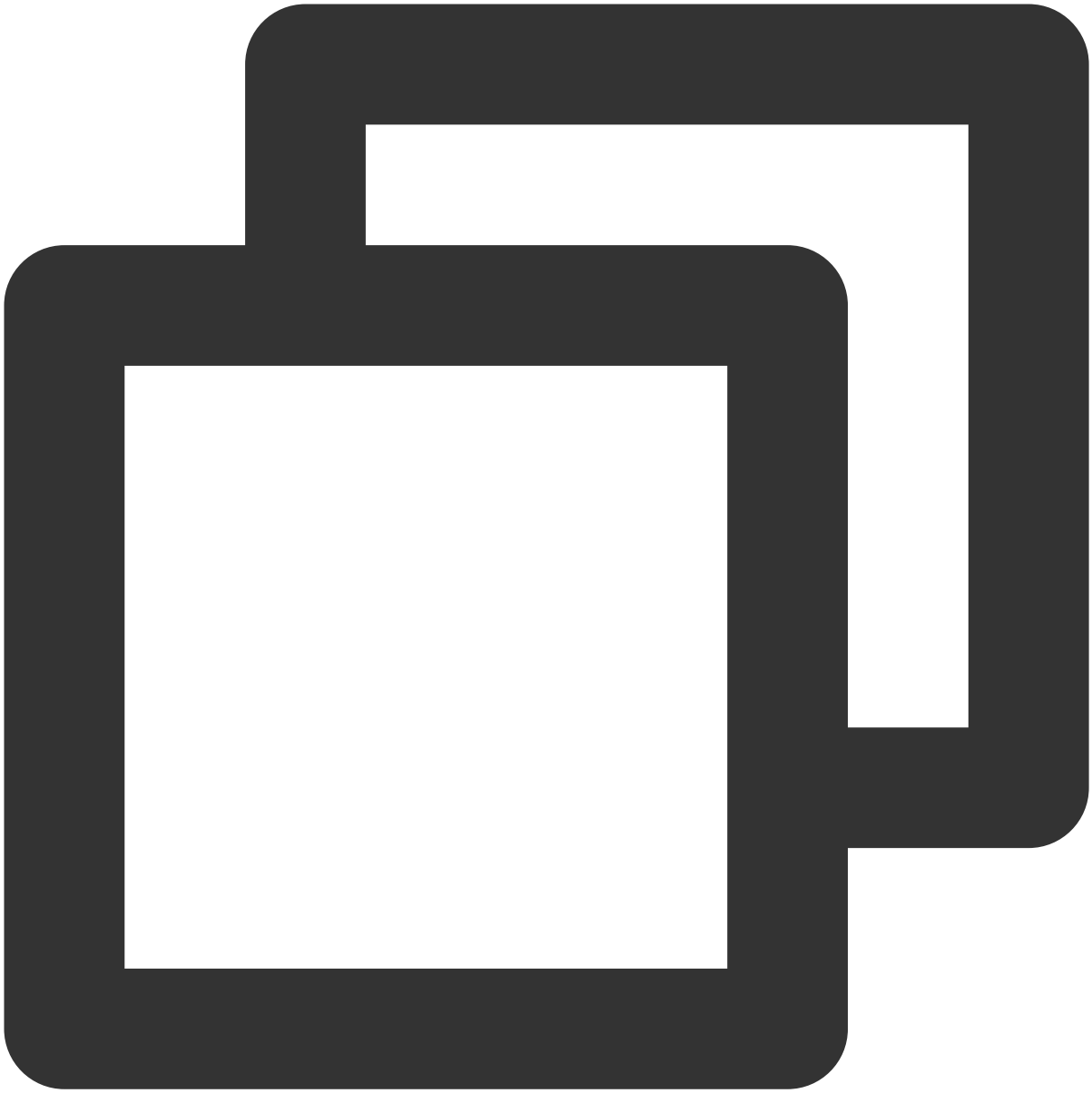
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85</RequestId>
    <Queue>
        <QueueId>pb926e1dce3ed4e47a4f08692164f4869</QueueId>
        <Name>My-Queue-Pic</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
```

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```
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:13:05+0800</CreateTime>
    </Queue>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
Queue	Response	Queue information	Container

`Queue` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueId	Response.Queue	Queue ID	String
Name	Response.Queue	Queue name	String
State	Response.Queue	Current status: `Active` or `Paused`.	String
NotifyConfig	Response.Queue	Callback configuration, which is the same as `Request.NotifyConfig`.	Container
MaxSize	Response.Queue	Maximum length of the queue	Int
MaxConcurrent	Response.Queue	Maximum number of concurrent jobs in the current queue	Int
Category	Response.Queue	Queue type	String
UpdateTime	Response.Queue	Update time	String
CreateTime	Response.Queue	Creation time	String

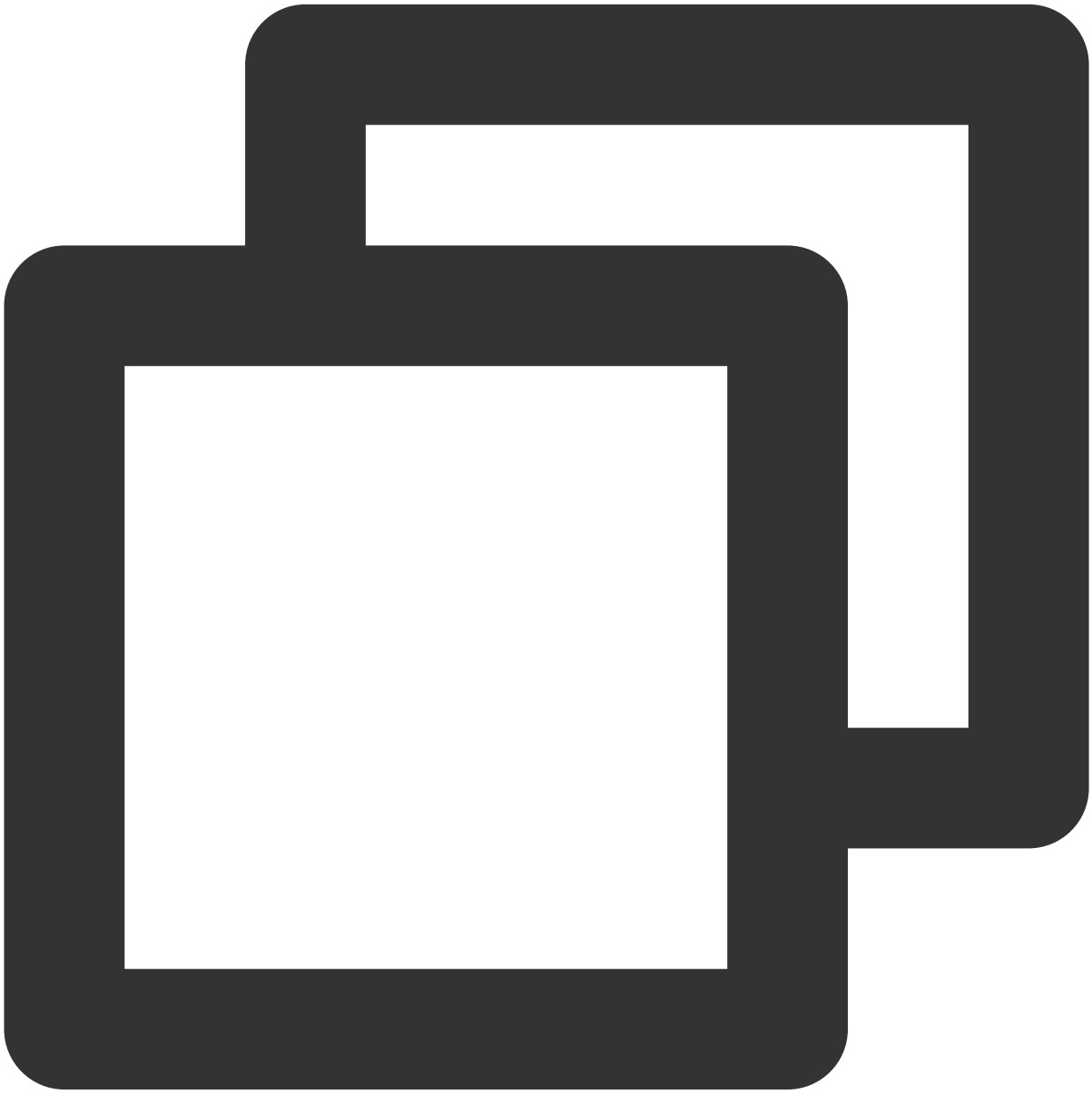
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



```
PUT /picqueue/pb926e1dce3ed4e47a4f08692164f4869 HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

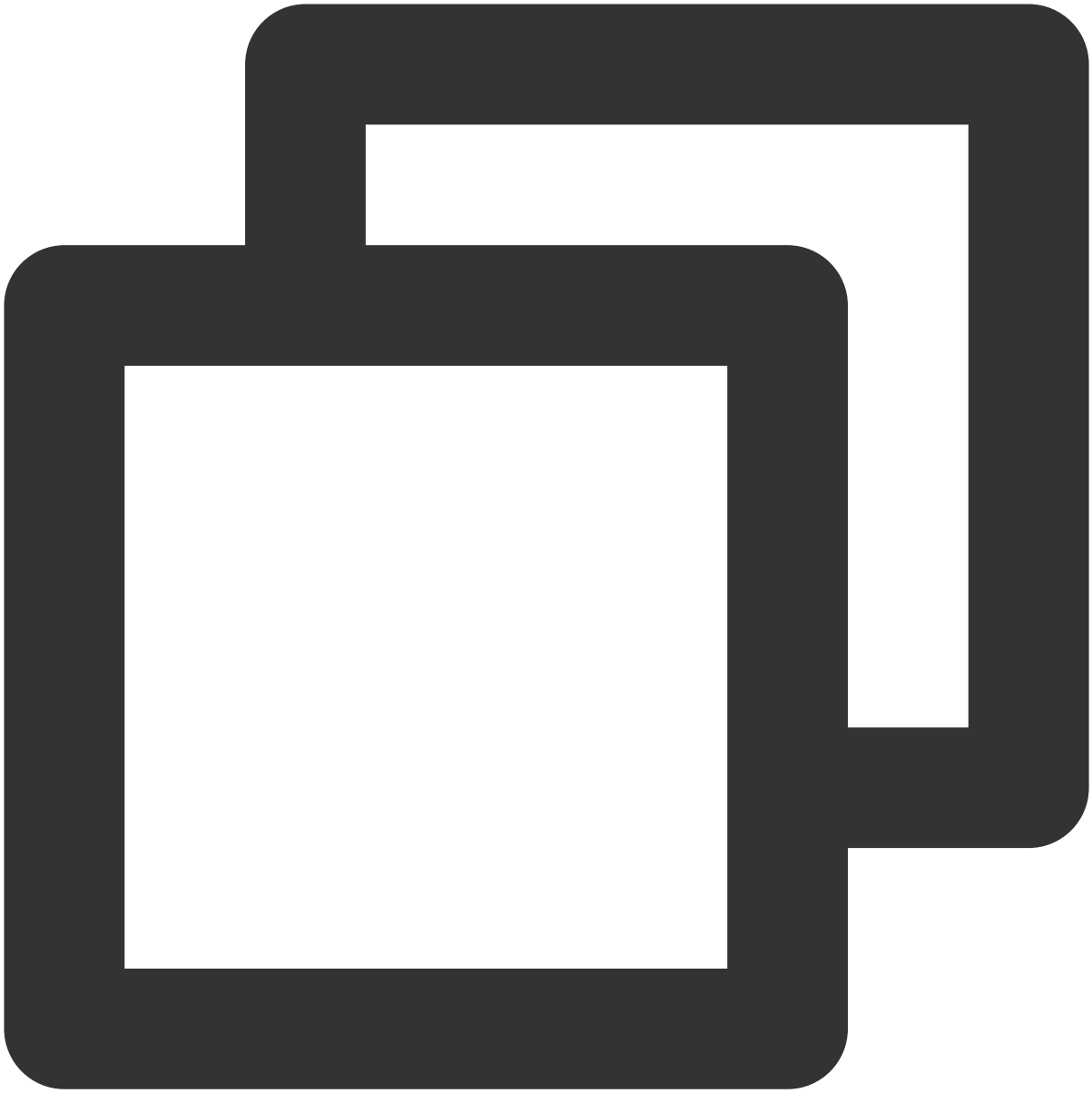
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```
Content-Length: 162
Content-Type: application/xml

<Request>
    <Name>My-Queue-Pic</Name>
    <State>Active</State>
    <NotifyConfig>
        <State>On</State>
        <Url>http://callback.demo.com</Url>
        <Type>Url</Type>
        <Event>TaskFinish,WorkflowFinish</Event>
        <ResultFormat>JSON</ResultFormat>
    </NotifyConfig>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85

<Response>
    <RequestId>NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85</RequestId>
    <Queue>
```

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```
        <QueueId>pb926e1dce3ed4e47a4f08692164f4869</QueueId>
        <Name>My-Queue-Pic</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:13:05+0800</CreateTime>
    </Queue>
</Response>
```

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AI-Based Content Recognition
Face Recognition
Face Filter

Last updated：2024-02-18 15:49:30

Feature Description

Face filter supports beauty filter, gender swap, age change, and face cut-out. It is suitable for many use cases, such as social entertainment, marketing, and interactive communication.

Feature	Description
Beauty filter	You can upload a selfie and quickly apply smart skin brightening, skin smoothing, face slimming, eye enlarging, and contouring filters. You can also customize parameters.
Gender swap	You can upload a face image and have the gender swapped based on the face editing and generation algorithms. Beauty filters, makeup, bang, and long hair can be added to a face swapped from male to female, while beard and short hair can be added to a face swapped from female to male.
Age change	You can upload a face image and make the face look older or younger based on the face editing and generation algorithms.
Face cut-out	You can upload an image and get the body contour recognized and separated from the background. The binary image, grayscale image, and foreground portrait are returned. This is applicable to portrait keying, photo synthesis, face special effect, and other use cases and greatly improves the tool efficiency.

Note:

Face filters can be applied to a Base64-encoded image of up to 5 MB in size. PNG, JPG, JPEG, and BMP formats are supported, while GIF is not. To use face cut-out, the image resolution must be lower than 2000x2000 px.

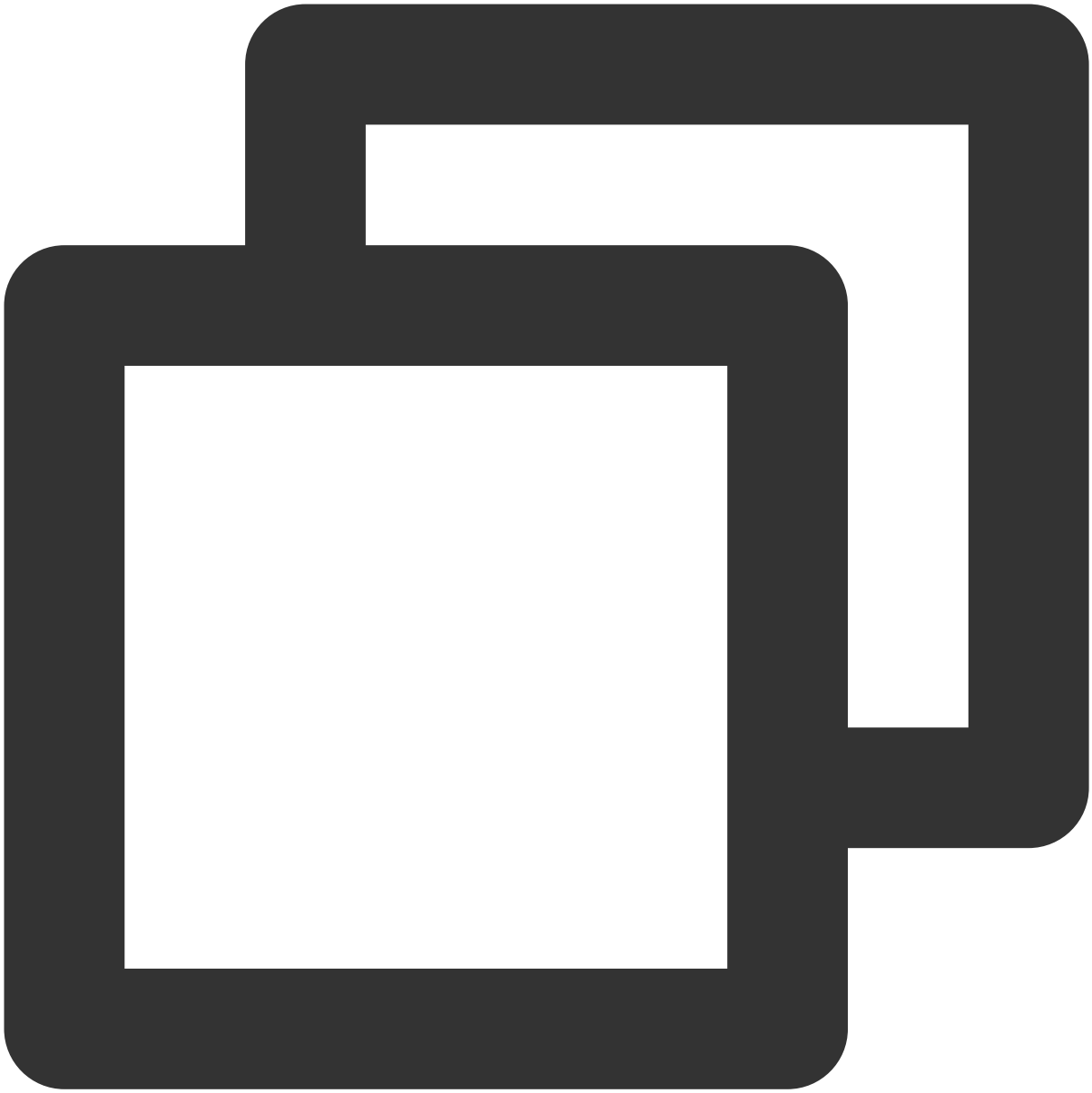
Face filter is a paid service. For billing details, see Content Recognition Fees.

This feature currently can be used only through APIs.

Request

Sample request

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```
GET /<ObjectKey>?ci-process=face-effect&type=<type> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

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Request parameters

Parameter	Description	Type	Required
ObjectKey	Object name, such as `folder/document.jpg`.	String	Yes
ci-process	CI's processing capability, which is fixed at `face-effect` for face filter.	String	Yes
type	Face filter type. Valid value: face-beautify, face-gender-transformation, face-age-transformation, face-segmentation.	String	Yes
whitening	Skin brightening level, which takes effect if `type` is `face-beautify`. Value range: [0,100]. Default value: 30. The higher the value, the more obvious the effect.	Integer	No
smoothing	Skin smoothing level, which takes effect if `type` is `face-beautify`. Value range: [0,100]. Default value: 10. The higher the value, the more obvious the effect.	Integer	No
faceLifting	Face slimming level, which takes effect if `type` is `face-beautify`. Value range: [0,100]. Default value: 70. The higher the value, the more obvious the effect.	Integer	No
eyeEnlarging	Eye enlarging level, which takes effect if `type` is `face-beautify`. Value range: [0,100]. Default value: 70. The higher the value, the more obvious the effect.	Integer	No
gender	Target gender, which takes effect if `type` is `face-gender-transformation`. 0: male to female; 1: female to male. There is no default value. Note that only the gender of the largest face in the image will be swapped.	Integer	Yes
age	Target age, which takes effect if `type` is `face-age-transformation`. Value range: [10, 80]. There is no default value. Note that only the age of the largest face in the image will be changed.	Integer	Yes

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

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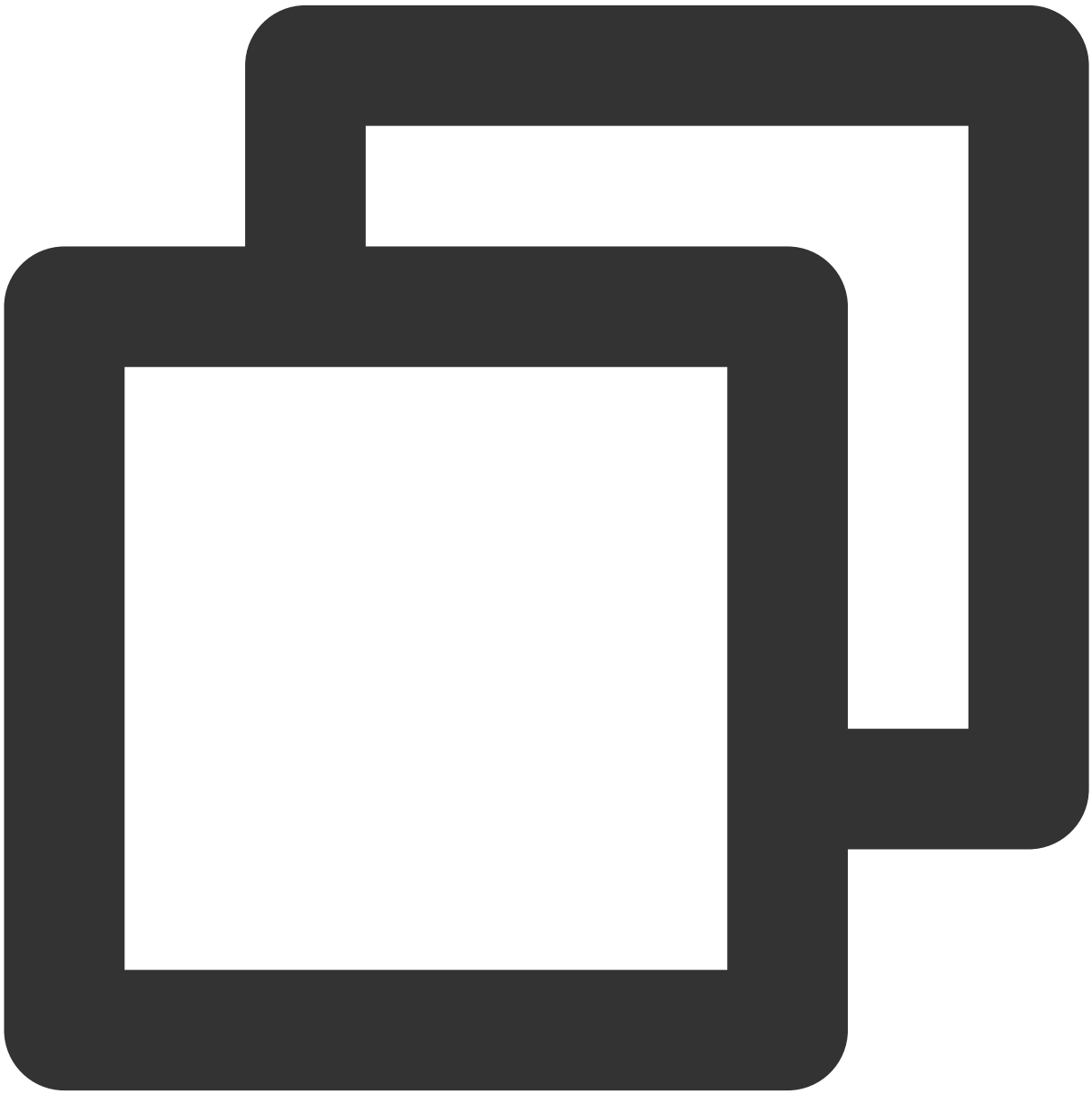
Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
  <ResultImage>Base64-encoded image</ResultImage>
```

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```
    <ResultMask>Base64-encoded file</ResultMask>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ResultImage	Response	Base64-encoded result image data	String
ResultMask	Response	Face cut-out output parameter, which is a Base64-encoded file consisting of floating point numbers after being decoded. These numbers represent pixels in each line starting from the top-left corner of the input image. The value of each number is the grayscale value (0–255) converted from the confidence (0–1) of the body contour.	String

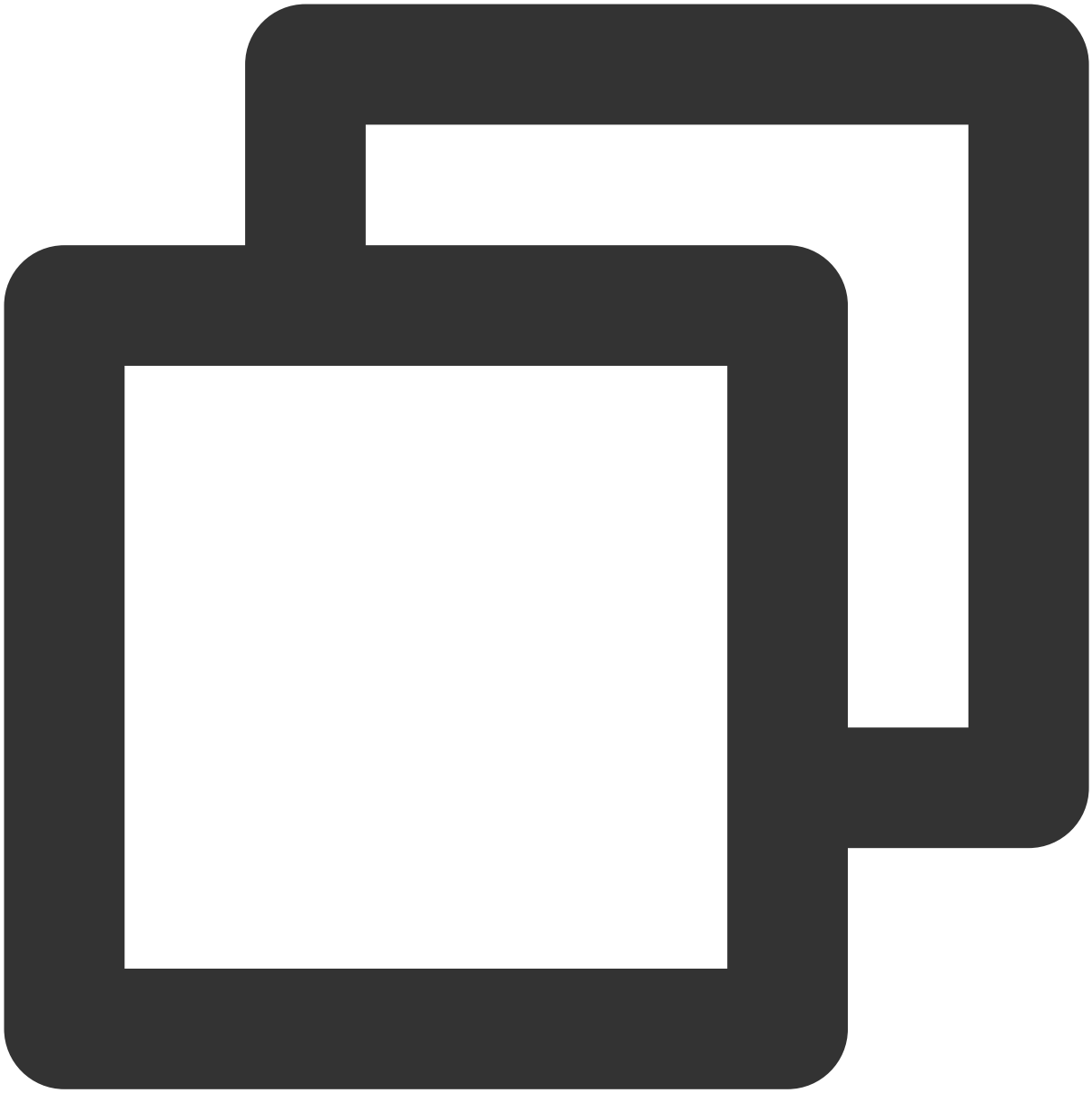
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

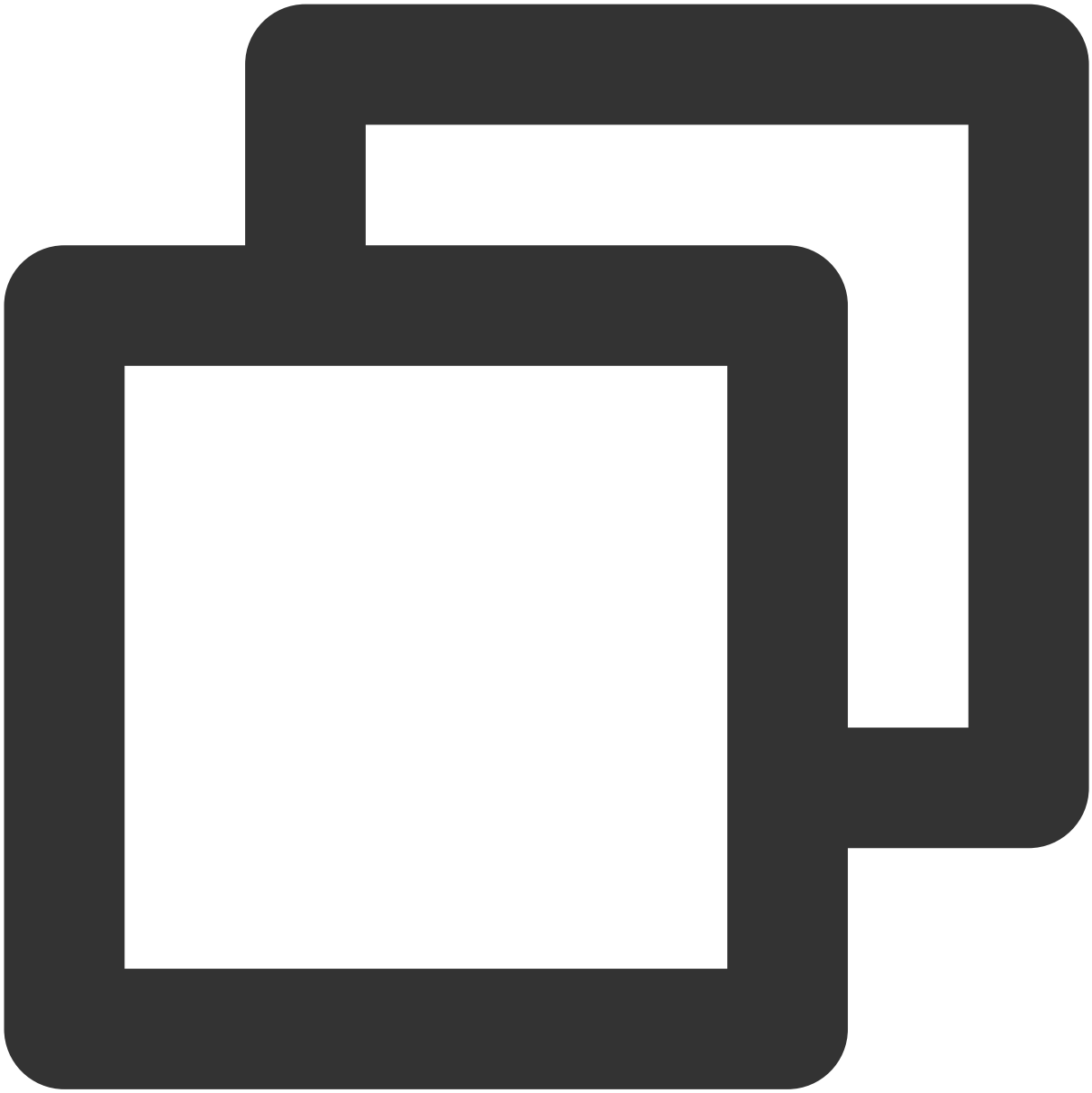
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```
GET /test.jpg?ci-process=face-effect&type=face-beautify&whitening=70&smoothing=80&f
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 414641
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-image
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
  <ResultImage>Base64-encoded image</ResultImage>
</Response>
```

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FaceID
ID Card Recognition

Last updated：2024-02-18 15:49:31

Feature Description

This feature can recognize all fields on the front and back of a second-generation Chinese ID card, including name, gender, ethnicity, date of birth, address, ID number, issuing authority, and validity period. It can also crop ID card photos and face photos, as well as warn about photographed, doctored, and photocopied images, edge and frame occlusions, temporary ID cards, and invalid validity periods.

Note:

Currently, the ID card recognition feature has the following image requirements: the image cannot exceed 7 MB after being Base64-encoded. A resolution above 500x800 is recommended. PNG, JPG, JPEG, and BMP image are supported. We recommend that the card part occupy more than 2/3 area of the image.

ID card recognition is a paid service. For billing details, see Content Recognition Fees.

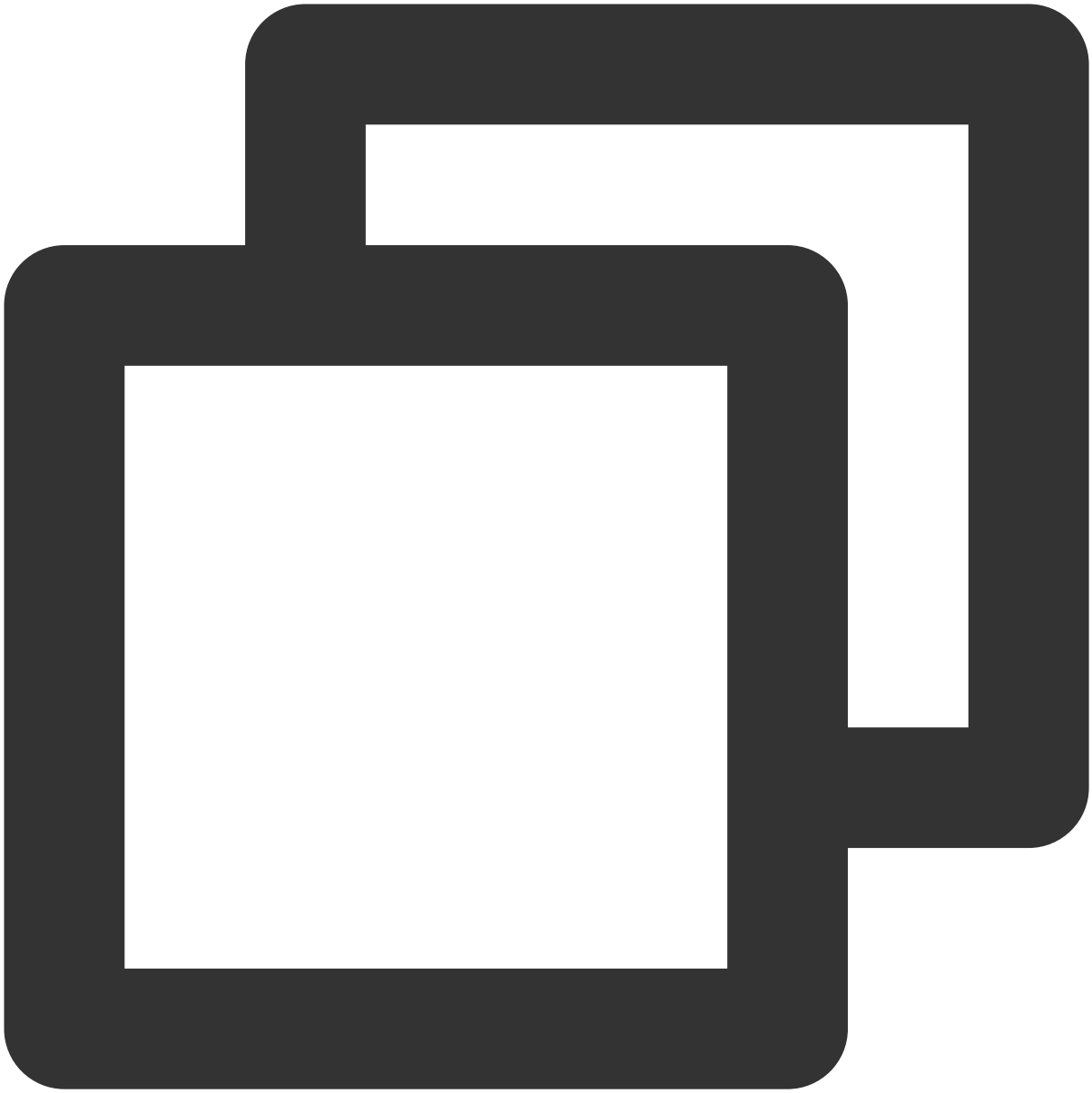
This feature currently can be used only through APIs.

Request

Processing during upload

The request for recognizing ID cards during image upload is the same as that used to simply upload a file to COS, except that you need to add the relevant processing parameter. Then, the recognition results will be returned during image upload, and the input images can be stored in COS.

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```
PUT /<ObjectKey>?ci-process=IDCardOCR&CardSide=<CardSide>&Config=<Config> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

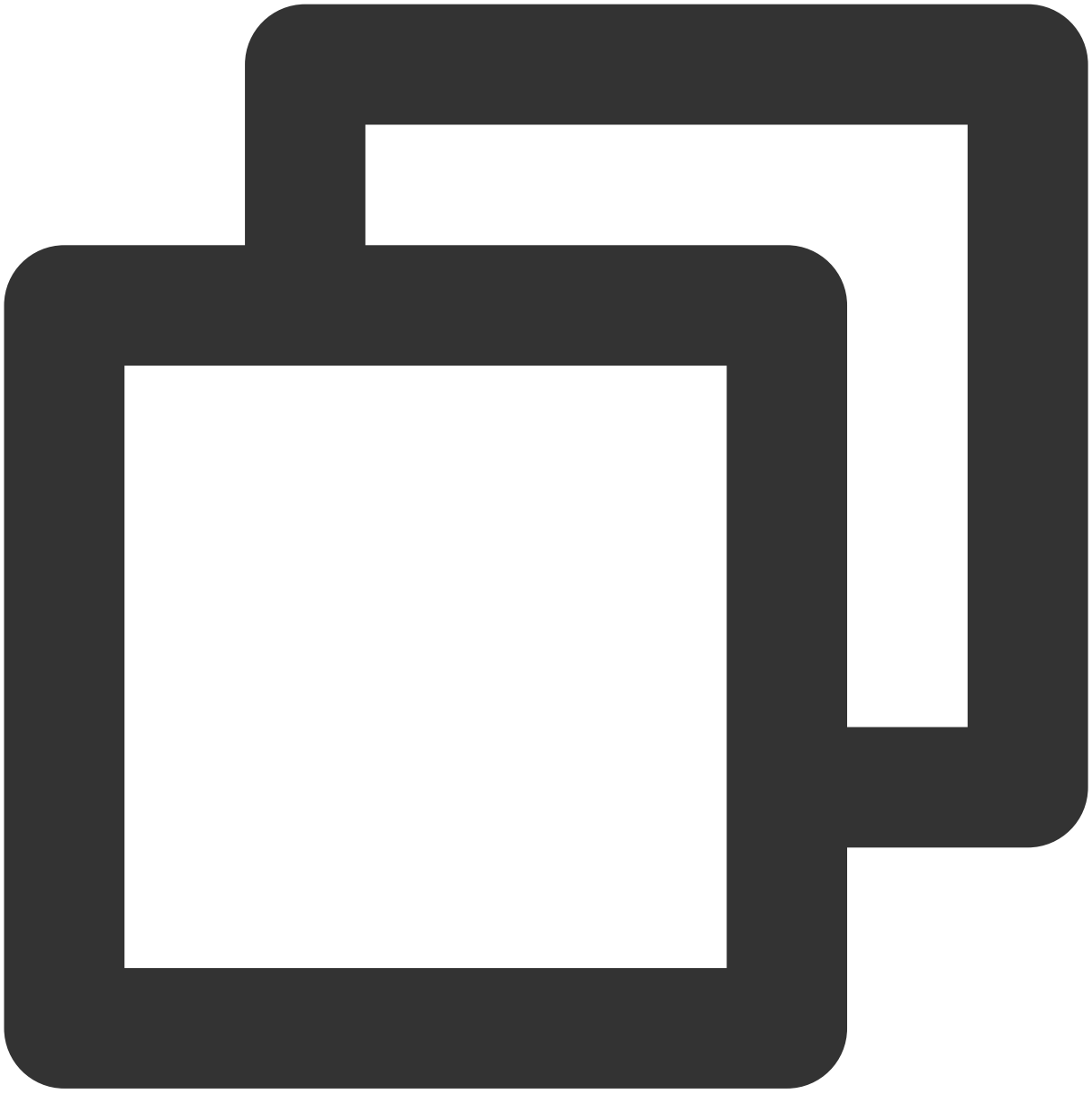
Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

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Processing in-cloud data

This feature can process an ID card image stored in COS and return the recognition result.



```
GET /<ObjectKey>?ci-process=IDCardOCR&CardSide=<CardSide>&Config=<Config> HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request parameters

Request parameters

Parameter	Description	Type	Required
ObjectKey	Object name, such as `folder/document.jpg`.	String	Yes
ci-process	CI's processing capability, which is fixed at `IDCardOCR` for ID card recognition.	String	Yes
CardSide	FRONT: The side of the ID card with the face (face side) BACK: The side of the ID card with the national emblem (national emblem side) If this parameter is not specified, the system will automatically determine the ID card's front and back sides.	String	No
Config	The following fields are all of bool type and default to false: CropIdCard: Crops the ID card photo (by removing extra edges outside the ID card and automatically correcting the shooting angle) CropPortrait: Crops the face photo (by automatically cutting out the face area in the ID card) CopyWarn: Warns about photocopied images BorderCheckWarn: Warns about border and frame occlusions ReshootWarn: Warns about spoofed images DetectPsWarn: Warns about doctored images TempIdWarn: Warns about temporary ID cards InvalidDateWarn: Warns about invalid ID card validity periods Quality: Gets the image quality score (by evaluating the blurriness of the image) MultiCardDetect: Enables multi-card detection For the parameter setting method, see Config = {"CropIdCard":true,"CropPortrait":true}.	String	No

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

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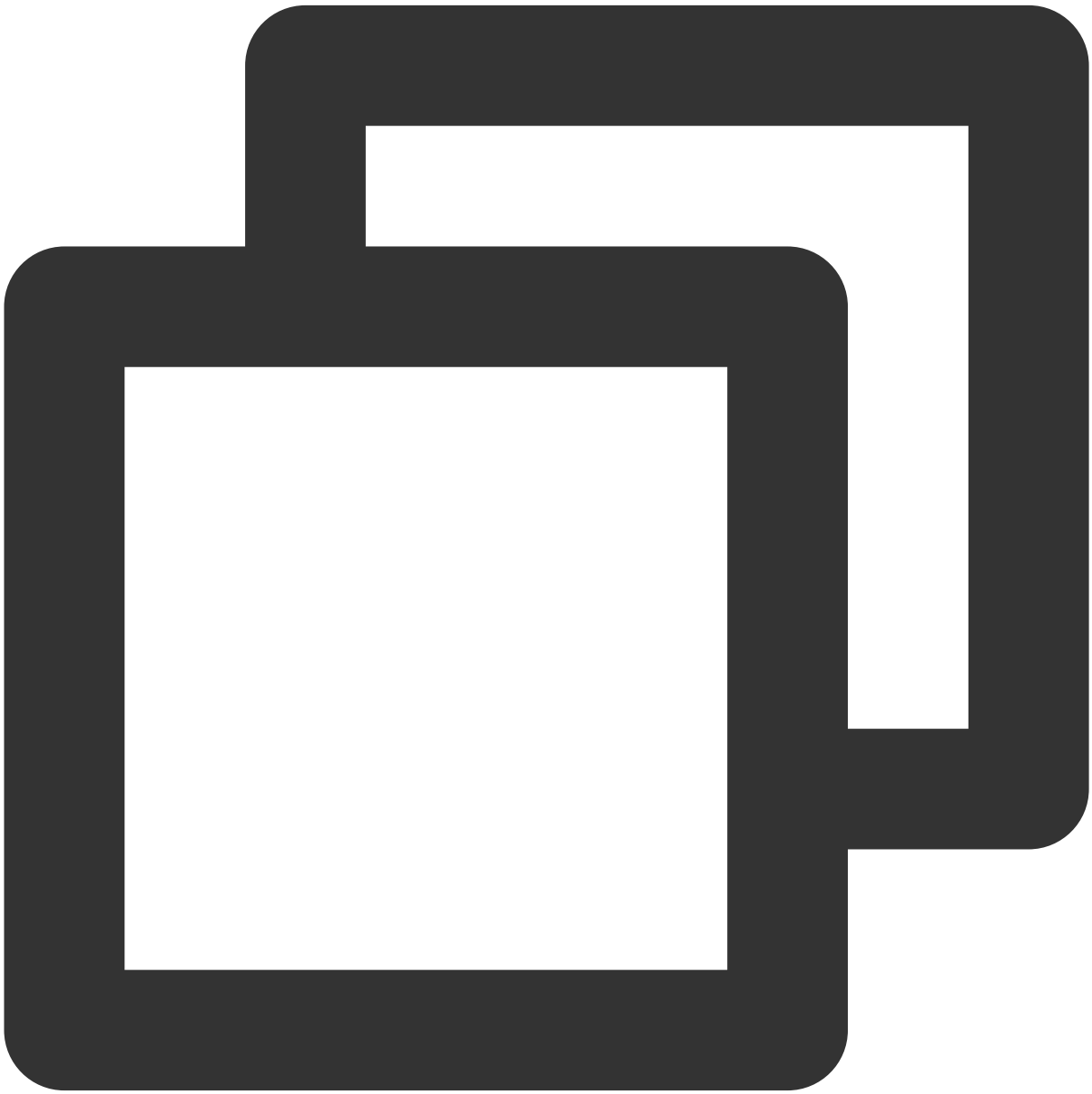
Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
  <IdInfo>
```

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```
    Recognized ID card information
  </IdInfo>
  <AdvancedInfo>
    Recognized ID card information
  </AdvancedInfo>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
IdInfo	Response	Recognized ID card information.	Container
AdvancedInfo	Response	Extended information, which will not be returned if not requested.	Container

`IdInfo` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Name	IdInfo	Name (face side)	String
Sex	IdInfo	Gender (face side)	String
Nation	IdInfo	Ethnicity (face side)	String
Birth	IdInfo	Date of birth (face side)	String
Address	IdInfo	Address (face side)	String
IdNum	IdInfo	ID number (face side)	String
Authority	IdInfo	Issuing authority (national emblem side)	String
ValidDate	IdInfo	Validity period (national emblem side)	String

`AdvancedInfo` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type

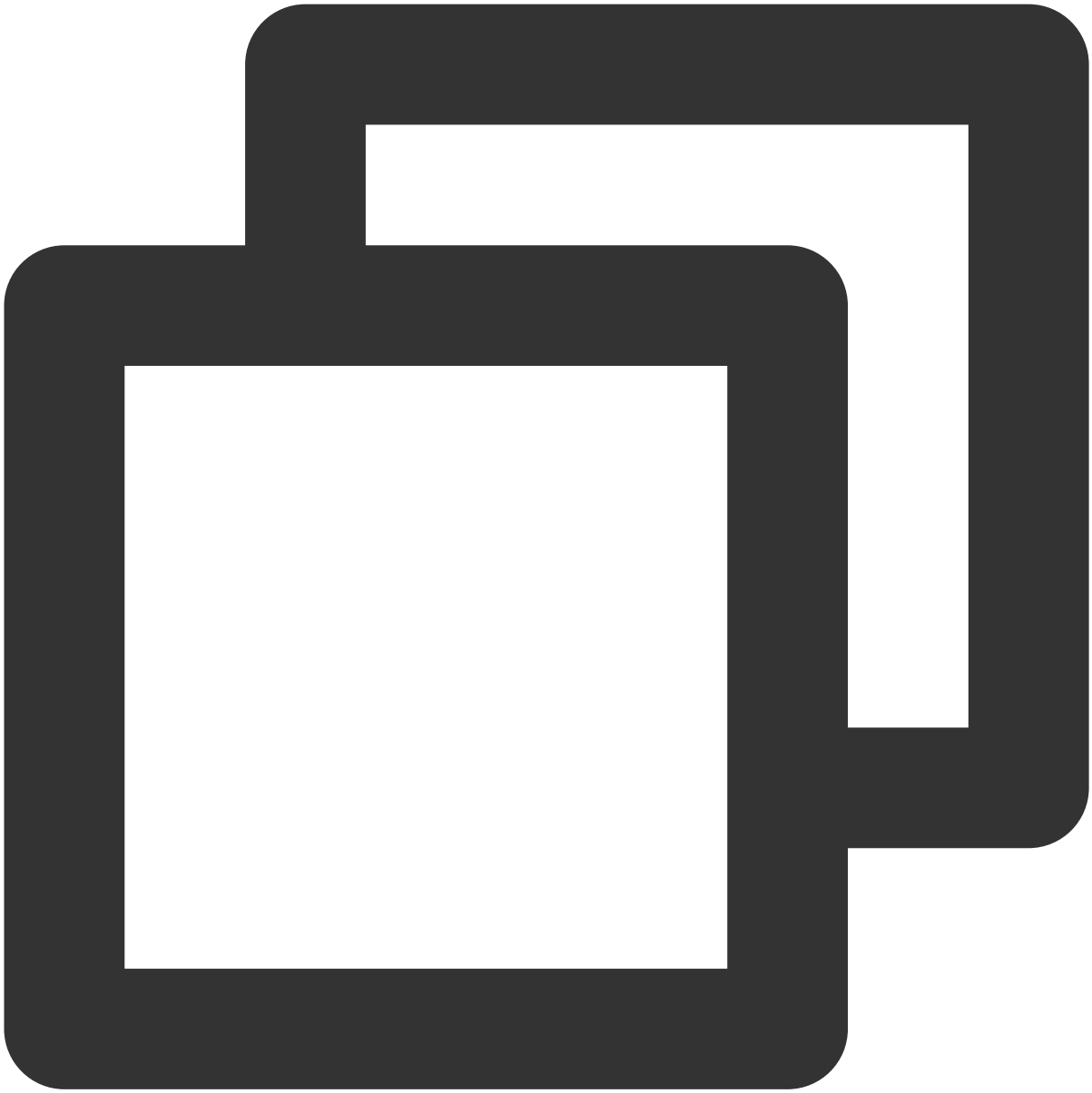
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IdCard	AdvancedInfo	Base64-encoded content of the cropped ID card photo, which will be returned if `Config.CropIdCard` is set to `true`.	String
Portrait	AdvancedInfo	Base64-encoded content of the face on the ID card, which will be returned if `Config.CropPortrait` is set to `true`.	String
Quality	AdvancedInfo	Image quality score, which will be returned if `Config.Quality` is set to `true`. Value range: 0–100. The lower the score, the blurrier the image. The recommended threshold is ≥ 50.	String
BorderCodeValue	AdvancedInfo	Alarm threshold score for incomplete ID card borders, which will be returned if `Config.BorderCheckWarn` is set to `true`. Value range: 0–100. The lower the score, the lower the probability of border occlusion. The recommended threshold value is ≥ 50.	String
WarnInfos	IdInfo	Warning information. Code values and descriptions: 9100: The ID card validity period is invalid. 9101: The ID card borders are incomplete. 9102: The ID card image is photocopied. 9103: The ID card image is spoofed. 9104: The ID card is a temporary one. 9105: The ID card frame is occluded. 9106: The ID card image is doctored. There may be multiple WarnInfos values.	String

Samples

Request

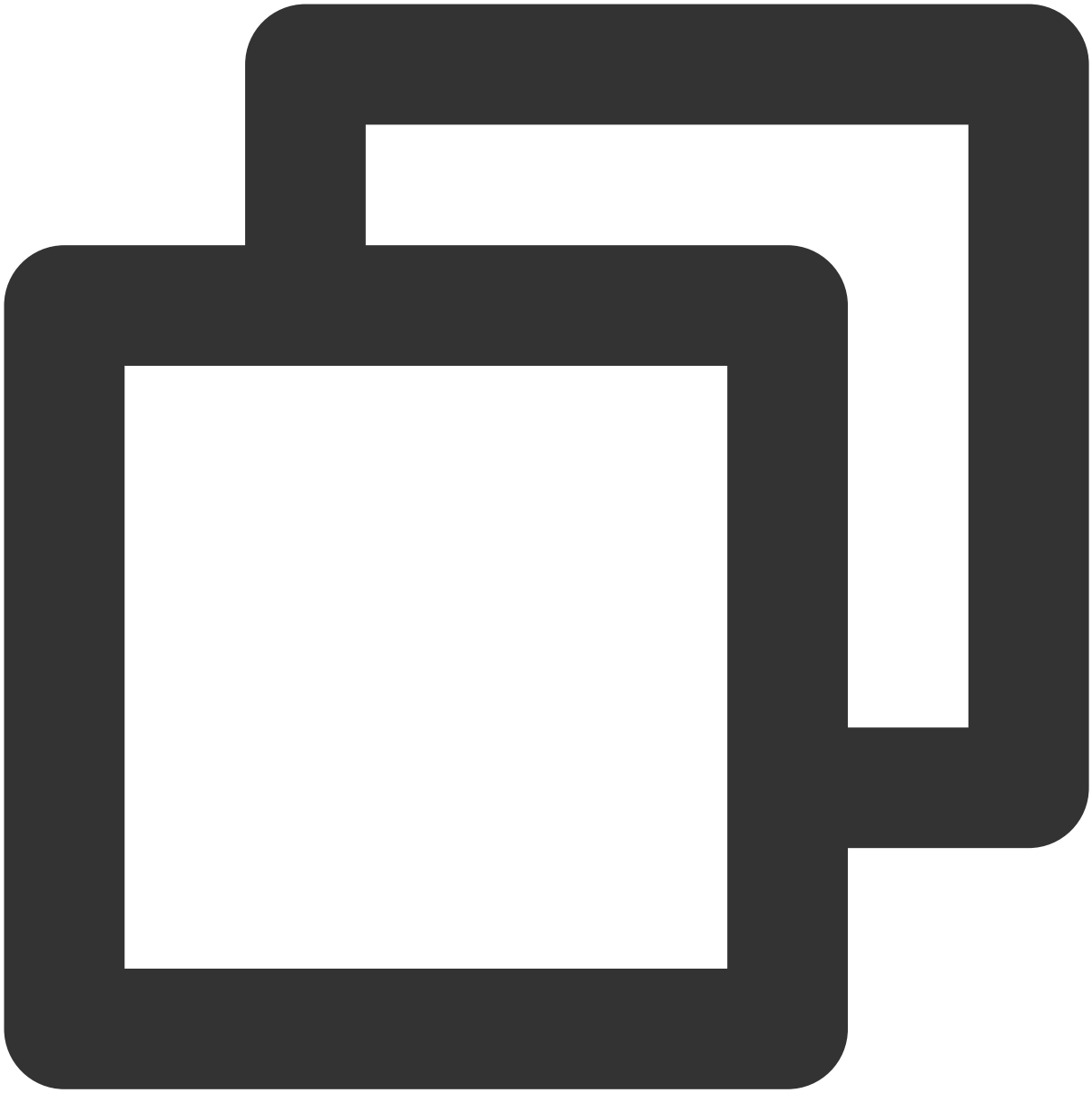
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```
GET /test.jpg?ci-process=IDCardOCR&CardSide=FRONT&Config={"CropIdCard":true, "CropI
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 414641
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-image
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
  <IdInfo>
     <Name>Li Ming</Name>
     <Sex>Male</Sex>
```

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```
      <Nation>Han</Nation>
      <Birth>1987/1/1</Birth>
      <Address>Tencent Building, Hi-tech Park, Shijingshan District, Beijing</Addres
      <IdNum>440524198701010014</IdNum>
   </IdInfo>
   <AdvancedInfo>
      <IdCard>Base64-encoded content of the cropped ID card photo</IdCard>
      <Portrait>Base64-encoded content of the face on the ID card</Portrait>
   </AdvancedInfo>
</Response>
```

Error Codes

The following only lists the error codes for the business logic of this API. For other errors, see Error Codes.

Error Code	Description
FailedOperation.DownLoadError	Failed to download the file.
FailedOperation.EmptyImageError	The image is empty.
FailedOperation.IdCardInfoIllegal	The ID card information is invalid (ID number, name, etc.).
FailedOperation.ImageBlur	The image is blurry.
FailedOperation.ImageDecodeFailed	Failed to decode the image.
FailedOperation.ImageNoIdCard	No ID card is detected in the image.
FailedOperation.ImageSizeTooLarge	The image is too large. See the description of image size limit in the output parameters.
FailedOperation.MultiCardError	There are multiple cards in the photo.
FailedOperation.OcrFailed	OCR failed.
FailedOperation.UnKnowError	An unknown error occurred.
FailedOperation.UnOpenError	The service has not been activated.
InvalidParameter.ConfigFormatError	The `Config` format is incorrect.
InvalidParameterValue.InvalidParameterValueLimit	The parameter value is incorrect.
LimitExceeded.TooLargeFileError	The file is too large.

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ResourcesSoldOut.ChargeStatusException	The billing status is abnormal.

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Image OCR
OCR

Last updated：2024-02-18 15:49:31

Feature Description

Based on Tencent Cloud's industry-leading deep learning technology, the optical character recognition (OCR) feature is capable of intelligently recognizing words on images and converting them into editable text. It can be used in photo scanning, paper document digitization, ecommerce ad moderation, and many other scenarios to greatly improve the efficiency of information processing.
This API adopts the sync GET request method.

Billing Description

Calling the API successfully will incur OCR fees and COS read request fees as described in Content Recognition Fees and Request Fees respectively.
If the image files are stored in COS STANDARD_IA storage class, calling the API successfully will incur STANDARD_IA data retrieval fees.
Image processing is not supported for objects stored in the ARCHIVE or DEEP ARCHIVE storage classes. To process these objects, you need to restore them first as instructed in POST Object restore.

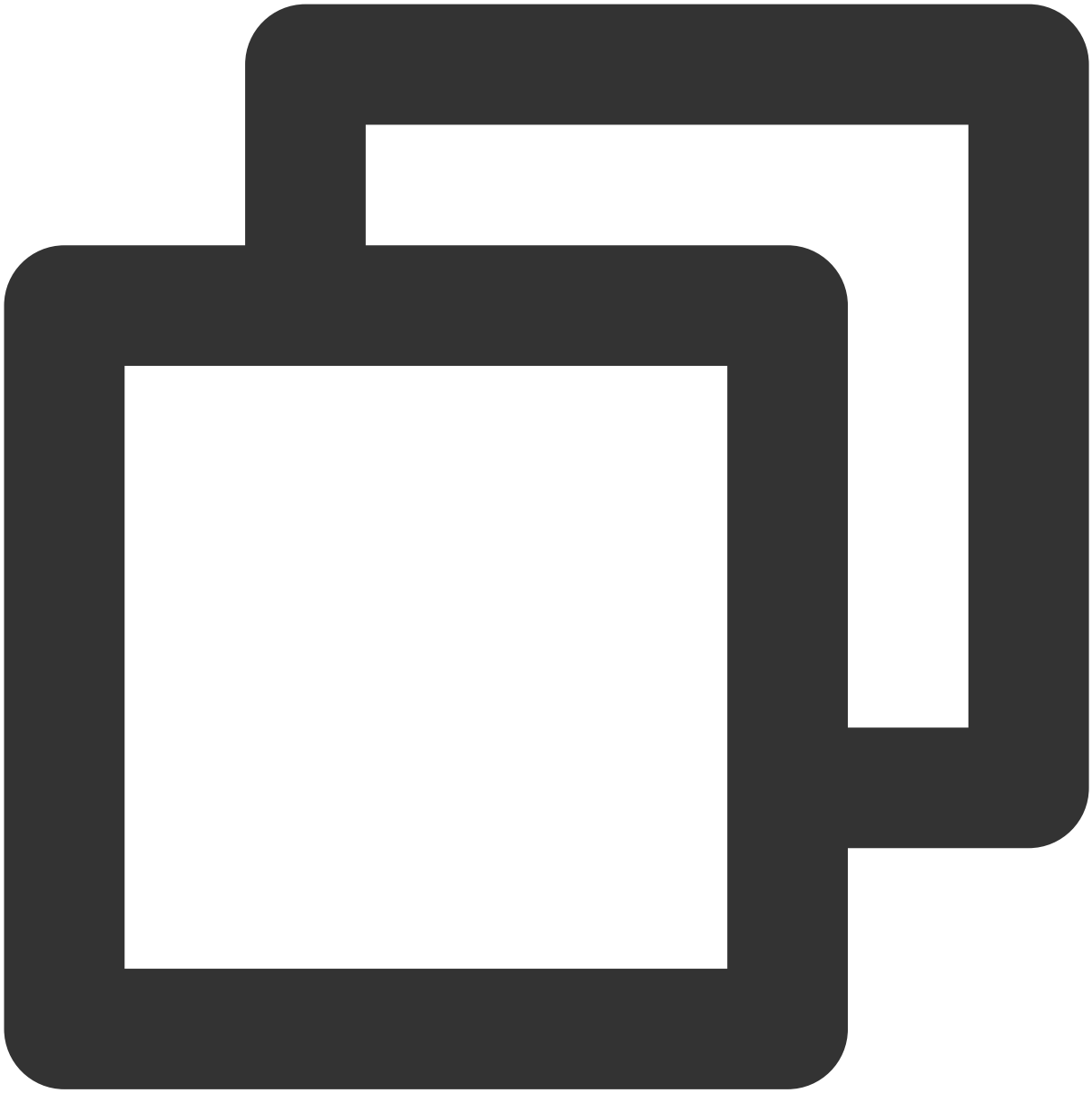
Restrictions

Supported image formats: PNG, JPG, JPEG, BMP, PDF.
Image size: The downloaded file **cannot exceed 7 MB** in size after being Base64-encoded.
Image resolution: A resolution above **600*800 px** is recommended; otherwise, the recognition effect may be affected.
Calling the API requires a signature. For more information, see Request Signature.

Request

Sample request

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```
GET /<ObjectKey>?ci-process=OCR&type=general&language-type=zh&ispdf=true&pdf-pagenu
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request parameters

Parameter	Description	Type	Required
ObjectKey	Object name, such as `folder/document.jpg` .	String	Yes
ci-process	CI's processing capability, which is fixed at `OCR` for OCR.	String	Yes
type	OCR recognition type. Valid values: `general` (general print recognition), `accurate` (high-precision print recognition), `efficient` (simplified print recognition), `fast` (high-speed print recognition), `handwriting` (handwriting recognition). Default value: `general` .	String	No
language-type	Language type. This parameter takes effect only if `type` is `general` . The language can be automatically recognized or manually specified. Chinese-English mix (`zh`) is selected by default. Mixed characters in English and each supported language can be recognized together. For valid values, see Recognizable language types.	String	No
ispdf	Whether to enable PDF recognition. This parameter takes effect only if `type` is `general` or `fast` . Valid values: `true` , `false` . Default value: `false` . After this feature is enabled, images and PDF files can be recognized at the same time.	Boolean	No
pdf-pagenumber	Page number of the PDF page to be recognized. This parameter takes effect only if `type` is `general` or `fast` , the uploaded file is a PDF, and `ispdf` is `true` . Only one single PDF page can be recognized. Default value: 1.	Integer	No
isword	Whether to return the word information after recognition. This parameter takes effect only if `type` is `general` or `accurate` . Valid values: `true` , `false` . Default value: `false` .	Boolean	No
enable-word-polygon	Whether to output four-point word coordinates. This parameter takes effect only if `type` is `handwriting` . Valid values: `true` , `false` . Default value: `false` .	Boolean	No

Recognizable language types

Value	Language	Value	Language
zh	Chinese-English mix	rus	Russian

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zh_rare	English, digits, rare Chinese characters, traditional Chinese characters, special symbols	ita	Italian
auto	Automatic	hol	Dutch
mix	Multi-language	swe	Swedish
jap	Japanese	fin	Finnish
kor	Korean	dan	Danish
spa	Spanish	nor	Norwegian
fre	French	hun	Hungarian
ger	German	tha	Thai
por	Portuguese	hi	Hindi
vie	Vietnamese	ara	Arabic
may	Malay		

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

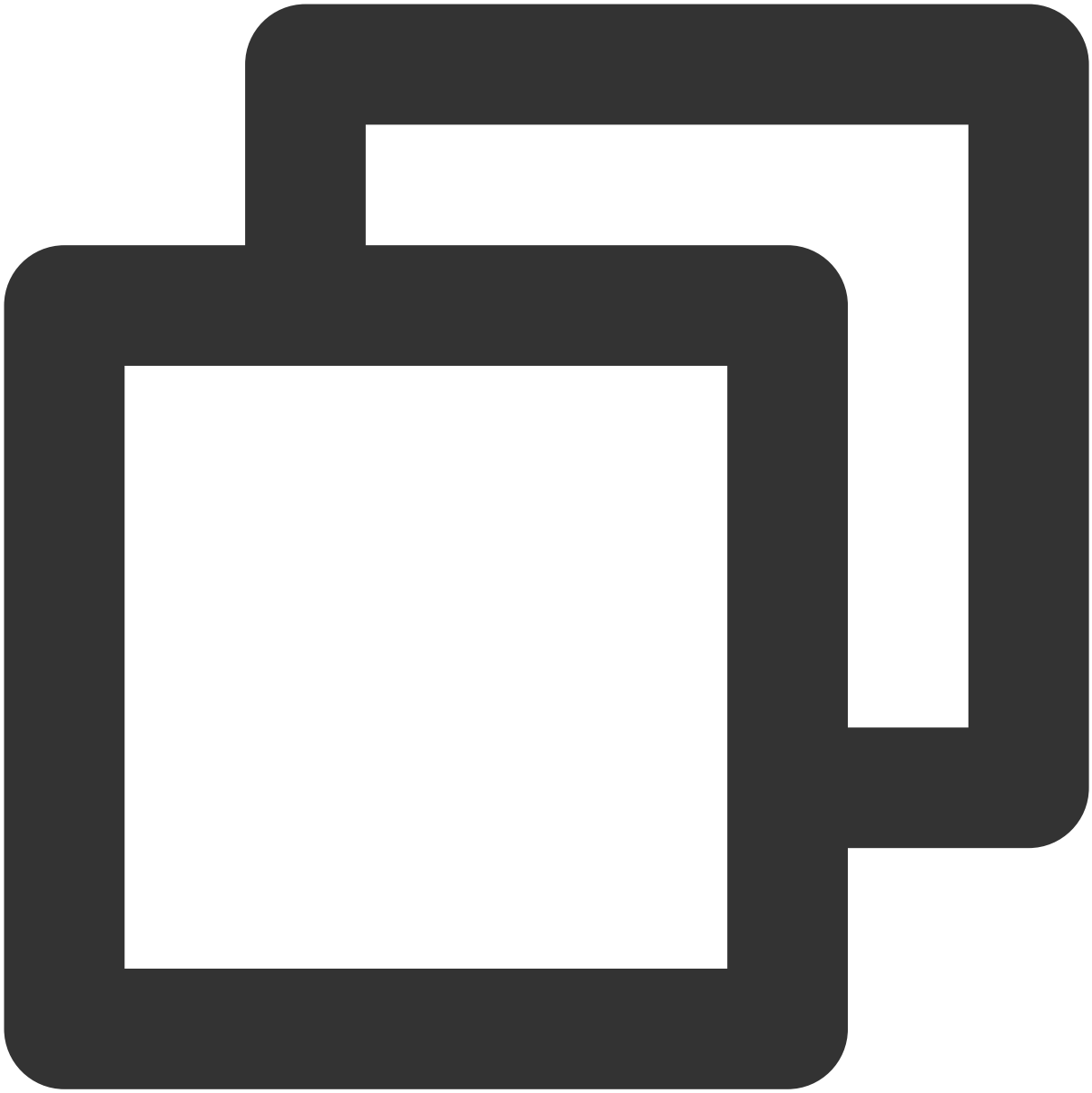
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
  <TextDetections>
    <DetectedText></DetectedText>
    <Confidence></Confidence>
    <Polygon>
      <X></X>
      <Y></Y>
    </Polygon>
    <ItemPolygon>
      <X></X>
      <Y></Y>
```

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```
      <Width></Width>
      <Height></Height>
    </ItemPolygon>
    <Words>
      <Confidence></Confidence>
      <Character></Character>
      <WordCoordPoint>
        <WordCoordinate>
          <X></X>
          <Y></Y>
        </WordCoordinate>
      </WordCoordPoint>
    </Words>
  </TextDetections>
  <Language></Language>
  <Angel></Angel>
  <PdfPageSize></PdfPageSize>
  <RequestId></RequestId>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TextDetections	Response	Information of the recognized text, including the text line content, confidence, text line coordinates, and text line coordinates after rotation correction.	Container
Language	Response	Detected language. For more information on the supported languages, see the description of the `language-type` input parameter.	String
Angel	Response	Image rotation angle in degrees. 0° indicates horizontal text, a positive value indicates clockwise rotation, and a negative value indicates anticlockwise rotation.	Float
PdfPageSize	Response	Total number of PDF pages to be returned if the image is a PDF. Default value: 0.	Integer
RequestId	Response	Unique ID of the request. Each request returns a unique ID. The	String

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		`RequestId` is required to troubleshoot issues.	

`TextDetections` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
DetectedText	TextDetections	Recognized text line content.	String
Confidence	TextDetections	Confidence between 0 and 100.	Integer
Polygon	TextDetections	Text line coordinates, which are represented by the coordinates of vertices. Note: This field may return null, indicating that no valid values can be obtained.	Container
ItemPolygon	TextDetections	Pixel coordinates of the text line in the image after rotation correction, which is in the format of (Abscissa of the top-left corner, ordinate of the top-left corner, width, height).	Container
Words	TextDetections	Information of the recognized words (including characters and confidence). Supported recognition types are `general` and `accurate`.	Container
WordPolygon	TextDetections	Array of word coordinates, which are represented by the coordinates of four vertices. Note: This field may return null, indicating that no valid values can be obtained. The supported recognition type is `handwriting`.	Container

`Polygon` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
X	Polygon	Abscissa.	Integer
Y	Polygon	Ordinate.	Integer

`ItemPolygon` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
X	ItemPolygon	Abscissa of the top-left corner.	Integer
Y	ItemPolygon	Ordinate of the top-left corner.	Integer

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Width	ItemPolygon	Width.	Integer
Height	ItemPolygon	Height.	Integer

`Words` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Confidence	Words	Confidence between 0 and 100.	Integer
Character	Words	Recognized word information.	String
WordCoordPoint	Words	Four-point coordinates of the word in the input image. Supported recognition types are `general` and `accurate`.	Container

`WordCoordPoint` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
WordCoordinate	WordCoordPoint	Coordinates of the word in the input image, which are represented by the coordinates of four vertices and returned clockwise starting from the top-left vertex.	Container

`WordCoordinate` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
X	WordCoordinate	Abscissa.	Integer
Y	WordCoordinate	Ordinate.	Integer

`WordPolygon` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
LeftTop	WordPolygon	Coordinates of the top-left vertex.	Container
RightTop	WordPolygon	Coordinates of the top-right vertex.	Container
RightBottom	WordPolygon	Coordinates of the bottom-right vertex.	Container
LeftBottom	WordPolygon	Coordinates of the bottom-left vertex.	Container

`LeftTop`, `RightTop`, `RightBottom`, and `LeftBottom` have the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type
X	WordCoordinate	Abscissa.	Integer
Y	WordCoordinate	Ordinate.	Integer

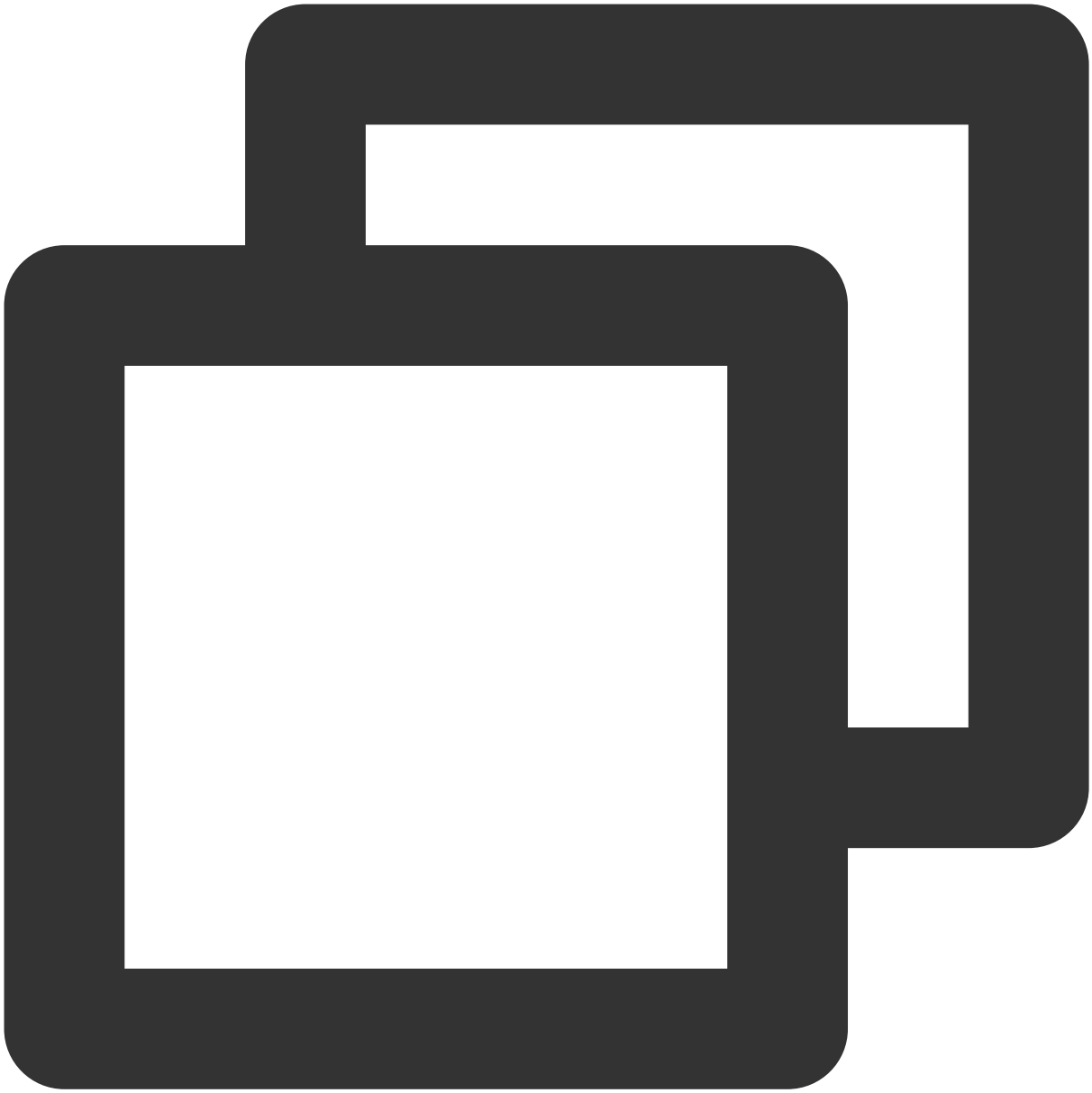
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

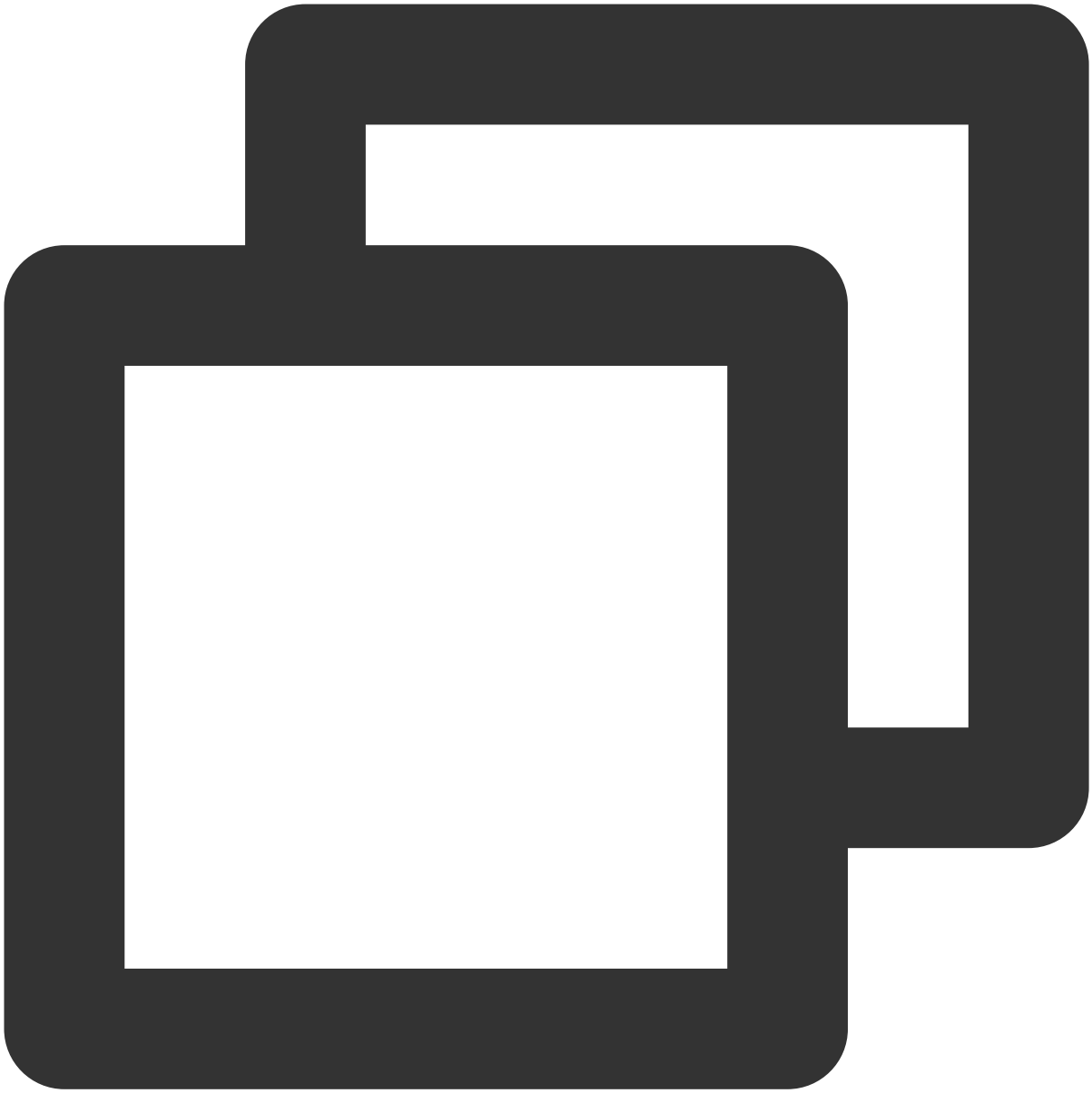
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```
GET /<ObjectKey>?ci-process=OCR&type=general&language-type=zh&ispdf=true&isword=tru
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 414641
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-image
x-cos-request-id: NWFjMzQ0MDZfOTBmYTUwXzZkZV8z****

<Response>
    <Angel>359.99</Angel>
    <Language>mix</Language>
    <PdfPageSize>0</PdfPageSize>
```

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```
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TextDetections>
        <Confidence>99</Confidence>
        <DetectedText>Hey you</DetectedText>
        <ItemPolygon>
            <Height>64</Height>
            <Width>123</Width>
            <X>140</X>
            <Y>167</Y>
        </ItemPolygon>
        <Polygon>
            <X>140</X>
            <Y>167</Y>
        </Polygon>
        <Polygon>
            <X>263</X>
            <Y>167</Y>
        </Polygon>
        <Polygon>
            <X>263</X>
            <Y>231</Y>
        </Polygon>
        <Polygon>
            <X>140</X>
            <Y>231</Y>
        </Polygon>
        <Words>
            <Character>Hey</Character>
            <Confidence>99</Confidence>
            <WordCoordPoint>
                <WordCoordinate>
                    <X>212</X>
                    <Y>167</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>341</X>
                    <Y>167</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>341</X>
                    <Y>231</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>212</X>
                    <Y>231</Y>
                </WordCoordinate>
            </WordCoordPoint>
```

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```
        </Words>
        <Words>
            <Character>You</Character>
            <Confidence>99</Confidence>
            <WordCoordPoint>
                <WordCoordinate>
                    <X>341</X>
                    <Y>167</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>263</X>
                    <Y>167</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>263</X>
                    <Y>231</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>341</X>
                    <Y>230</Y>
                </WordCoordinate>
            </WordCoordPoint>
        </Words>
    </TextDetections>
    <TextDetections>
        <Confidence>99</Confidence>
        <DetectedText>Bye bye</DetectedText>
        <ItemPolygon>
            <Height>43</Height>
            <Width>245</Width>
            <X>526</X>
            <Y>1444</Y>
        </ItemPolygon>
        <Polygon>
            <X>526</X>
            <Y>1444</Y>
        </Polygon>
        <Polygon>
            <X>771</X>
            <Y>1444</Y>
        </Polygon>
        <Polygon>
            <X>771</X>
            <Y>1487</Y>
        </Polygon>
        <Polygon>
            <X>526</X>
```

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```
            <Y>1487</Y>
        </Polygon>
        <Words>
            <Character>Bye</Character>
            <Confidence>99</Confidence>
            <WordCoordPoint>
                <WordCoordinate>
                    <X>564</X>
                    <Y>1444</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>608</X>
                    <Y>1444</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>608</X>
                    <Y>1487</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>564</X>
                    <Y>1487</Y>
                </WordCoordinate>
            </WordCoordPoint>
        </Words>
        <Words>
            <Character>Bye</Character>
            <Confidence>99</Confidence>
            <WordCoordPoint>
                <WordCoordinate>
                    <X>608</X>
                    <Y>1444</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>641</X>
                    <Y>1444</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>641</X>
                    <Y>1487</Y>
                </WordCoordinate>
                <WordCoordinate>
                    <X>608</X>
                    <Y>1487</Y>
                </WordCoordinate>
            </WordCoordPoint>
        </Words>
    </TextDetections>
```

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```
</Response>
```

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Speech Recognition
Job APIs
Submitting Speech Recognition Job

Last updated：2024-02-18 15:49:30

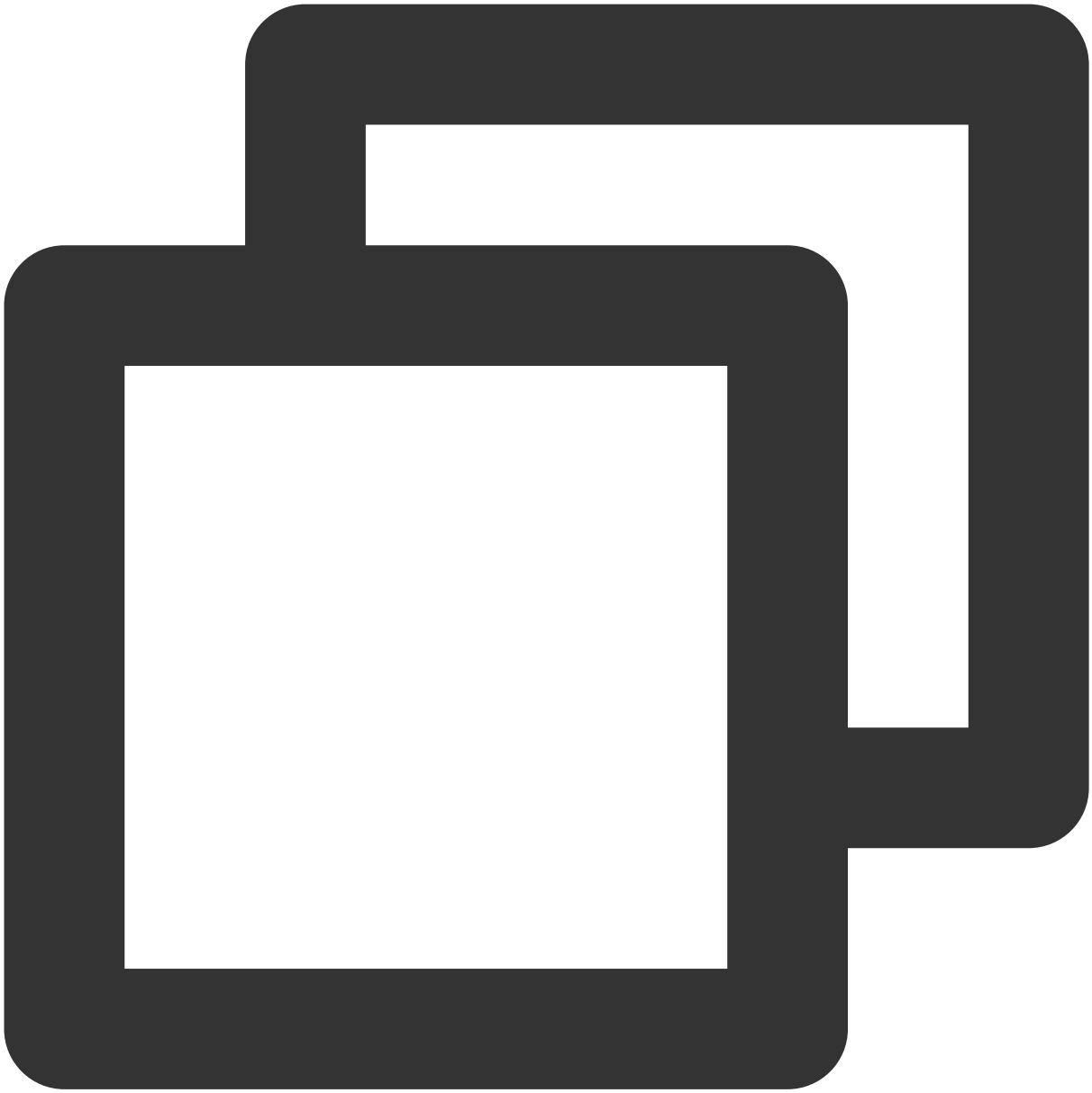
Feature Description

This API (`CreateSpeechJobs`) is used to submit a speech recognition job.

Request

Sample request

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```
POST /asr_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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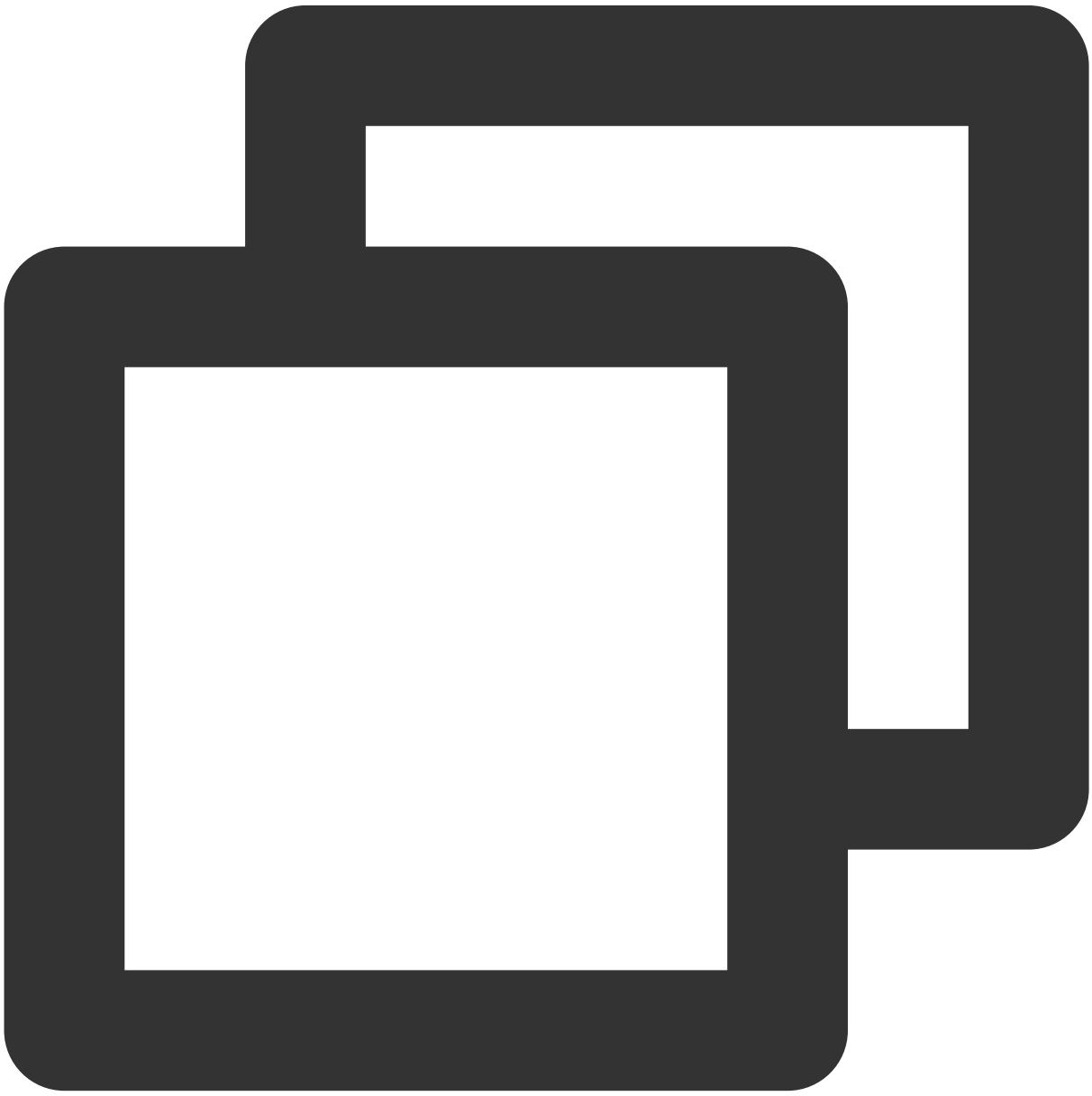
Authorization: Auth String (for more information, see Request Signature).
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
  <Tag>SpeechRecognition</Tag>
  <Input>
    <Object></Object>
  </Input>
  <Operation>
    <SpeechRecognition></SpeechRecognition>
    <Output>
      <Region></Region>
      <Bucket></Bucket>
      <Object></Object>
    </Output>
  </Operation>
  <QueueId></QueueId>
</Request>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type, which currently can only be `SpeechRecognition`.	String	Yes
Input	Request	Speech file to be manipulated	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	ID of the queue which the job is in	String	Yes

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Speech file key in COS. `Bucket` is specified by	String	Yes

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		`Host`.		

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
SpeechRecognition	Request.Operation	Job type parameter, which takes effect only if `Tag` is `SpeechRecognition`.	Container	No
Output	Request.Operation	Result output address	Container	Yes

SpeechRecognition has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
EngineModelType	Request.Operation.SpeechRecognition	Engine model type. Phone call scenarios: • 8k_zh: 8 kHz, for Mandarin in general scenarios (available for dual-channel audio). • 8k_zh_s: 8 kHz, for Mandarin with speaker separation (available for mono-channel audio only). Non-phone call scenarios: • 16k_zh: 16 kHz, for Mandarin in general scenarios. • 16k_zh_video: 16 kHz, for Mandarin in audio/video scenarios. • 16k_en: 16 kHz, for English. • 16k_ca: 16 kHz, for Cantonese.	String	Yes
ChannelNum	Request.Operation.SpeechRecognition	Number of speech sound channels. 1: mono; 2: dual (for the 8k_zh engine only).	Integer	Yes
ResTextFormat	Request.Operation.SpeechRecognition	Format of the returned recognition result. 0: recognition	Integer	Yes

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		result text, including the list of segment timestamps; 1: recognition result details, including the list of word timestamps (generally used to generate subtitles and for the 16k Mandarin engine only).		
FilterDirty	Request.Operation.SpeechRecognition	Whether to filter restricted words (for the Mandarin engine only). 0 (default value): does not filter; 1: filters; 2: replaces restricted words with "*".	Integer	No
FilterModal	Request.Operation.SpeechRecognition	Whether to filter interjections (for the Mandarin engine only). 0 (default value): does not filter; 1: filters; 2: filters strictly.	Integer	No
ConvertNumMode	Request.Operation.SpeechRecognition	Whether to intelligently convert Chinese numbers to Arabic numerals (for the Mandarin engine only). 0: directly outputs Chinese numbers; 1 (default value): intelligently converts based on the scenario.	Integer	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Result filename	String	Yes

Response

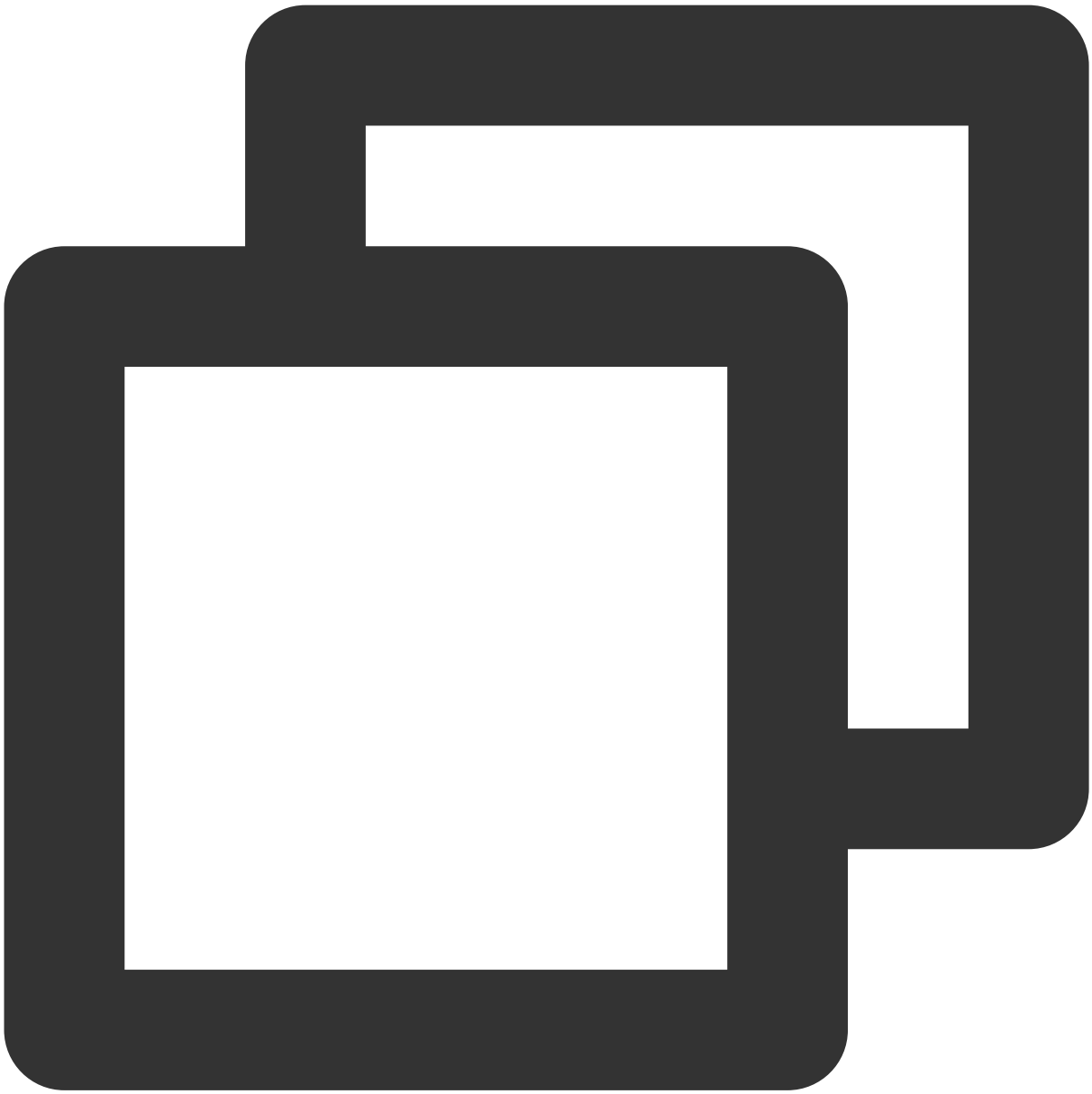
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

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The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
  <JobsDetail>
    <Code></Code>
    <Message></Message>
    <JobId></JobId>
    <State></State>
    <CreationTime></CreationTime>
    <QueueId></QueueId>
    <Tag><Tag>
```

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```
    <Input>
      <Object></Object>
    </Input>
    <Operation>
      <SpeechRecognition></SpeechRecognition>
      <Output>
        <Region></Region>
        <Bucket></Bucket>
        <Object></Object>
      </Output>
      <MediaInfo>
      </MeidaInfo>
    </Operation>
  </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is meaningful only if `State` is `Failed`	String
Message	Response.JobsDetail	Error description, which is meaningful only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type: SpeechRecognition	String
State	Response.JobsDetail	Job status. Valid values: Submitted, Running, Success, Failed, Pause, Cancel	String
CreationTime	Response.JobsDetail	Job creation time	String

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QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Same as the `Request.Input` node in the request.

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.JobsDetail.Operation	Job template ID	String
Output	Response.JobsDetail.Operation	File output address	Container
MediaInfo	Response.JobsDetail.Operation	Transcoding output video information. This node will not be returned if there is no output video.	Container

`Output` has the following sub-nodes:

Same as the `Request.Operation.Output` node in the request.

`SpeechRecognition` has the following sub-nodes:

Same as the `Request.Operation.SpeechRecognition` node in the request.

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Querying Specified Speech Recognition Job

Last updated：2024-02-18 15:49:30

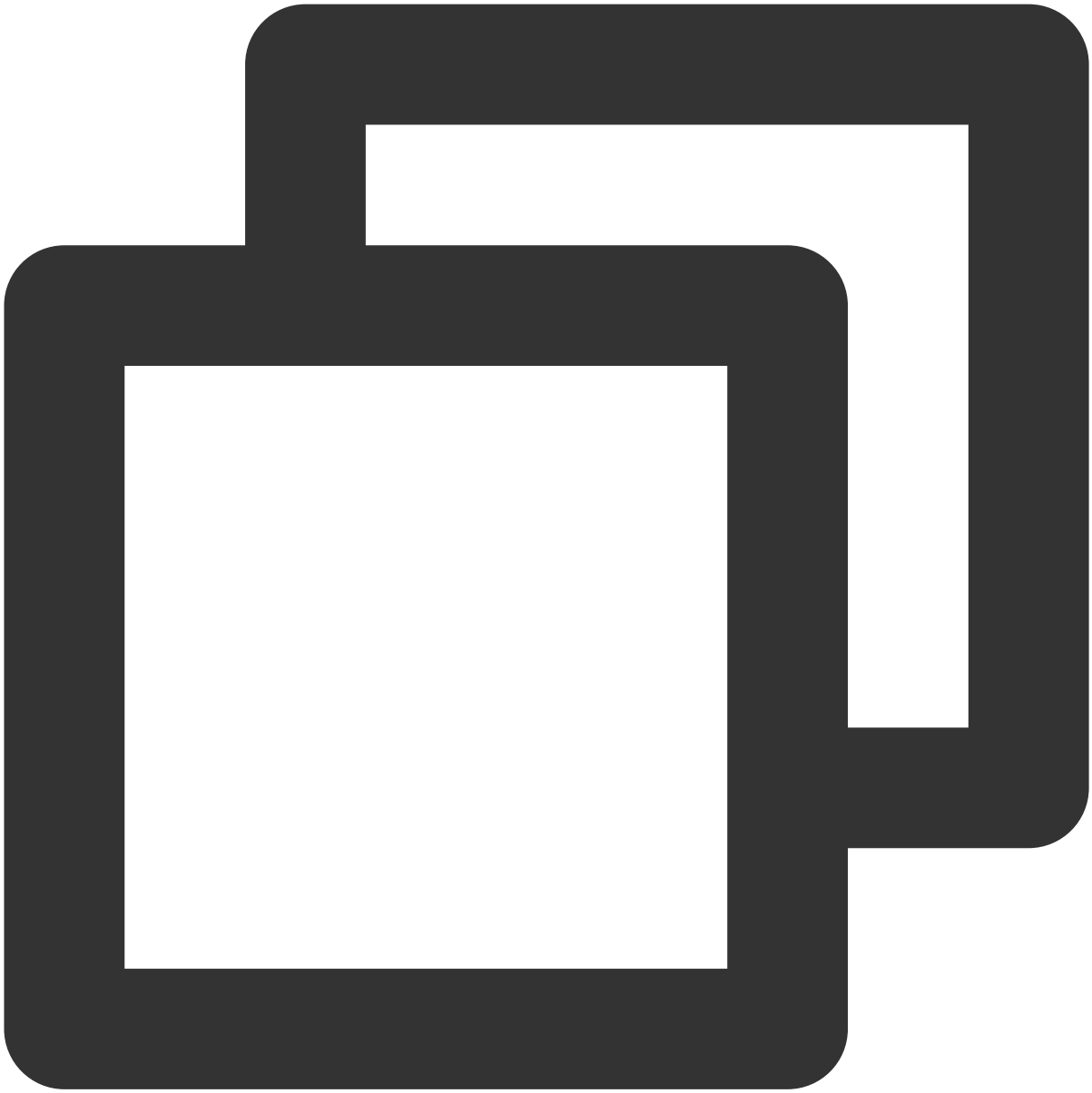
Feature Description

This API (`DescribeSpeechJob`) is used to query a specified speech recognition job.

Request

Sample request

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```
GET /asr_jobs/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

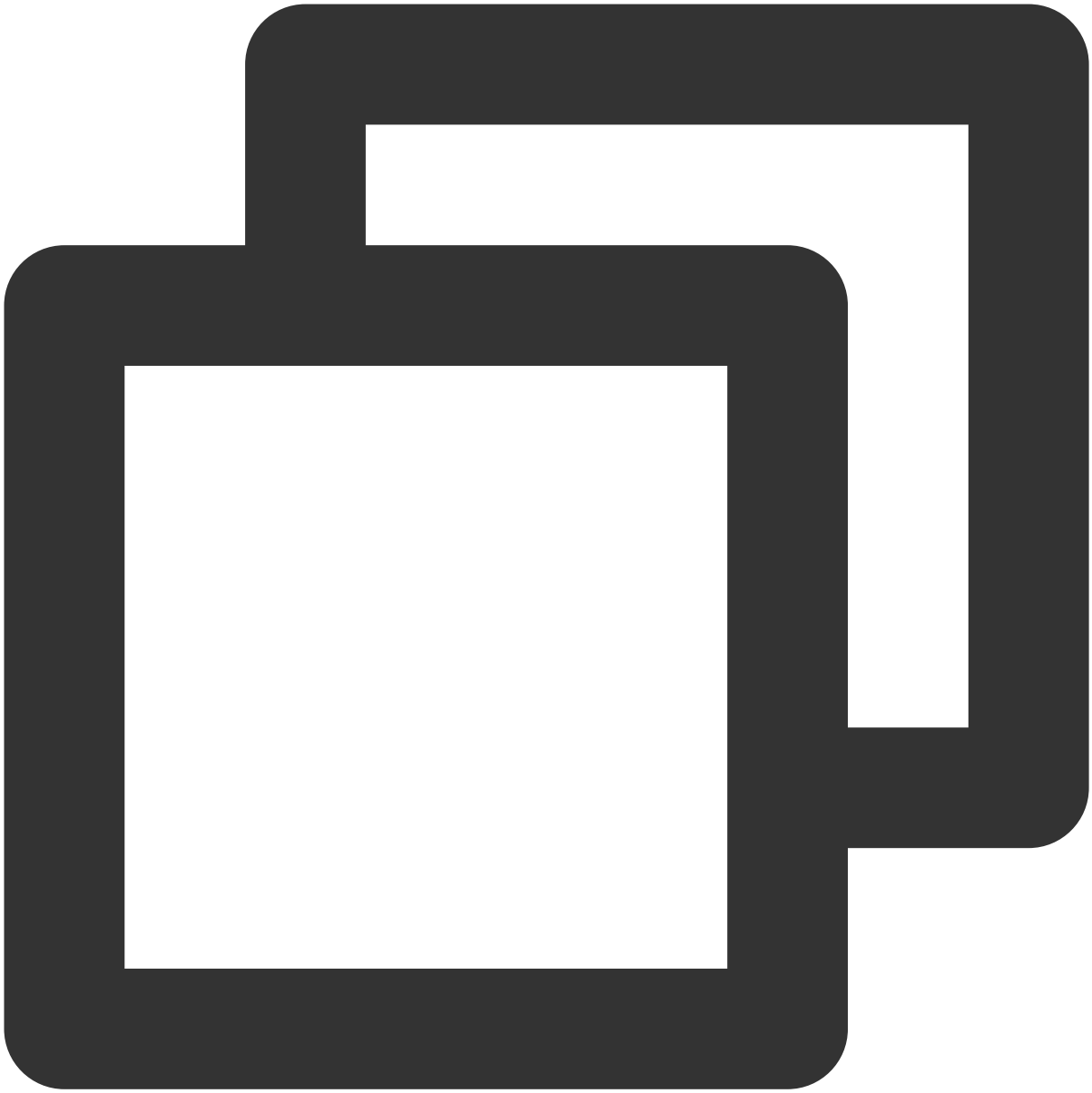
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
  <JobsDetail></JobsDetail>
  <NonExistJobIds></NonExistJobIds>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details. Same as `Response.JobsDetail` in `CreateSpeechJobs`.	Container
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node will not be returned.	String
SpeechRecognitionResult	Response	Returned speech recognition result details when the job type is `SpeechRecognition` and the status is `success`.	Container

`SpeechRecognitionResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Result	Response.SpeechRecognitionResult	Recognition result	Container
ResultDetail	Response.SpeechRecognition.ResultDetail	Recognition result details, including the time offsets of words in each sentence (generally used to generate subtitles). This field will not be empty if `ResTextFormat` in the recognition request is `1`. Note: This field may return null, indicating that no valid values can be obtained.	Array of SentenceDetail
AudioTime	Response.SpeechRecognition.audioTime	Speech duration	double

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Pulling Speech Recognition Jobs in Batches

Last updated：2024-02-18 15:49:31

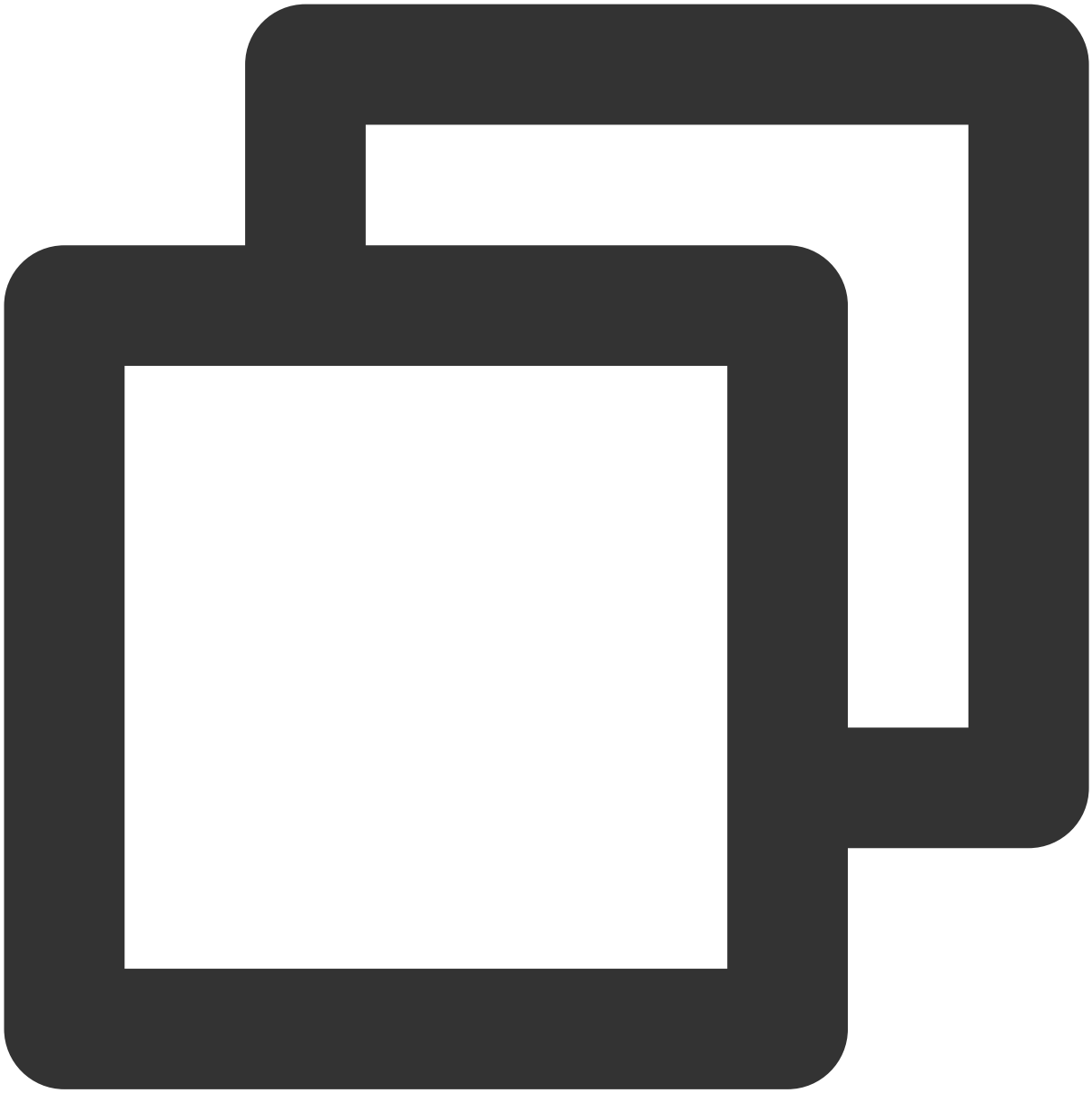
Feature Description

The API (`DescribeSpeechJobs`) is used to pull speech recognition jobs that meet specified conditions.

Request

Sample request

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```
GET /asr_jobs?size=&states=&queueId=&startCreationTime=&endCreationTime= HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Request parameters

The parameters are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
queueId	None	ID of the queue from which jobs are pulled.	String	Yes
tag	None	Job type: SpeechRecognition.	String	Yes
orderByTime	None	`Desc` (default) or `Asc`.	String	No
nextToken	None	Context token for pagination.	String	No
size	None	Maximum number of jobs that can be pulled. The default value is 10. The maximum value is 100.	Integer	No
states	None	Status of the jobs to pull. If you enter multiple job statuses, separate them by comma. Valid values: All (default), Submitted, Running, Success, Failed, Pause, Cancel.	String	No
startCreationTime	None	Start time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z`.	String	No
endCreationTime	None	End time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z`.	String	No

Response

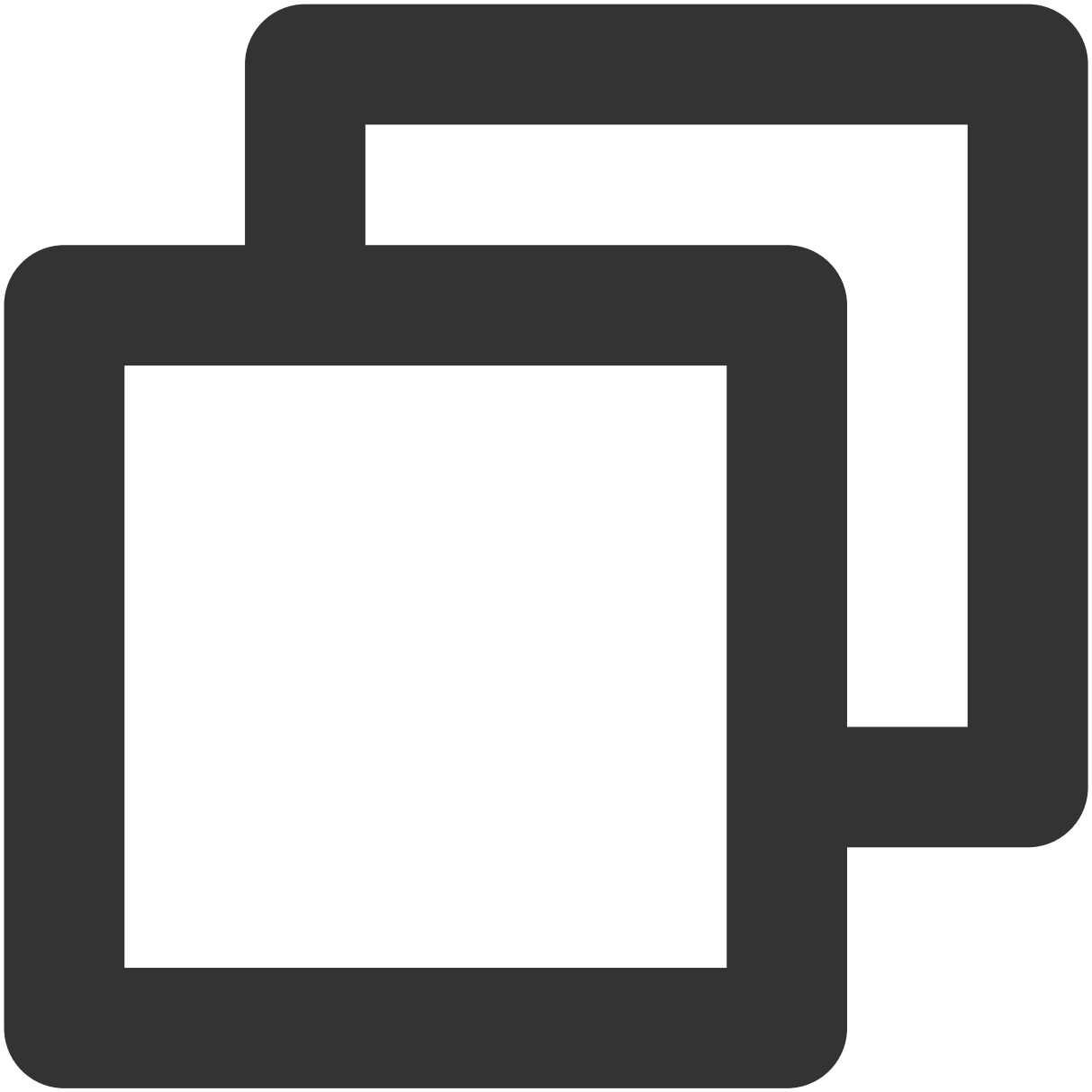
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
  <JobsDetail></JobsDetail>
  <NextToken></NextToken>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details. Same as `Response.JobsDetail` in `CreateSpeechJobs`.	Container
NextToken	Response	Context token for pagination	String

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Queue APIs
Querying Speech Recognition Queue

Last updated：2024-02-18 15:49:31

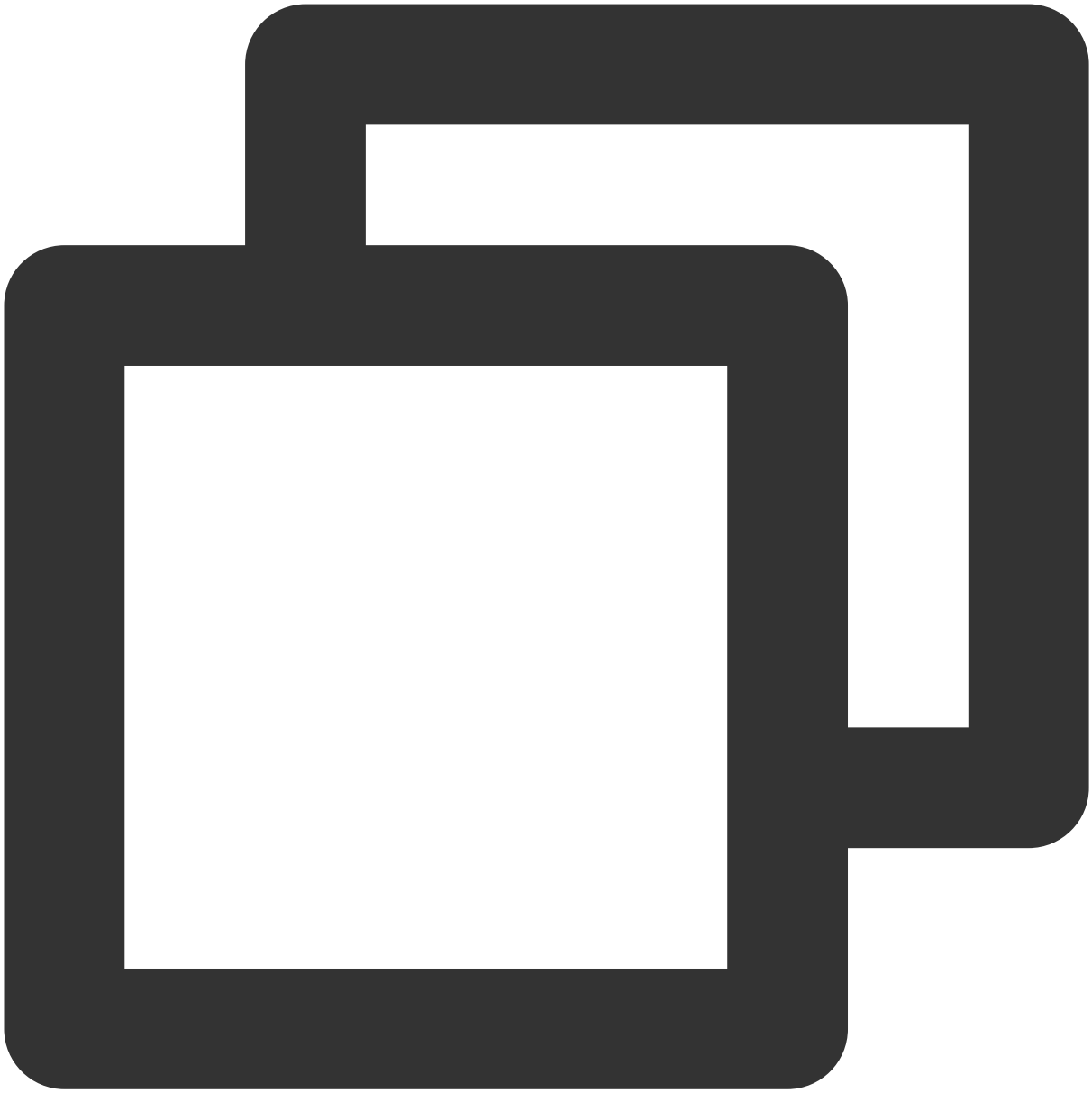
Feature Description

This API (`DescribeSpeechQueues`) is used to query speech recognition queues.

Request

Sample request

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```
GET /asrqueue HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Name	Type	Description	Required
queueIds	string	Queue ID. If you enter multiple IDs, separate them by comma.	No
state	string	1. Active: Jobs in the queue will be scheduled and executed by the speech recognition service. 2. Paused: The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the `Paused` status, while jobs being executed will continue without being affected.	No
pageNumber	string	Page number	No
pageSize	string	Number of entries per page	No

Response

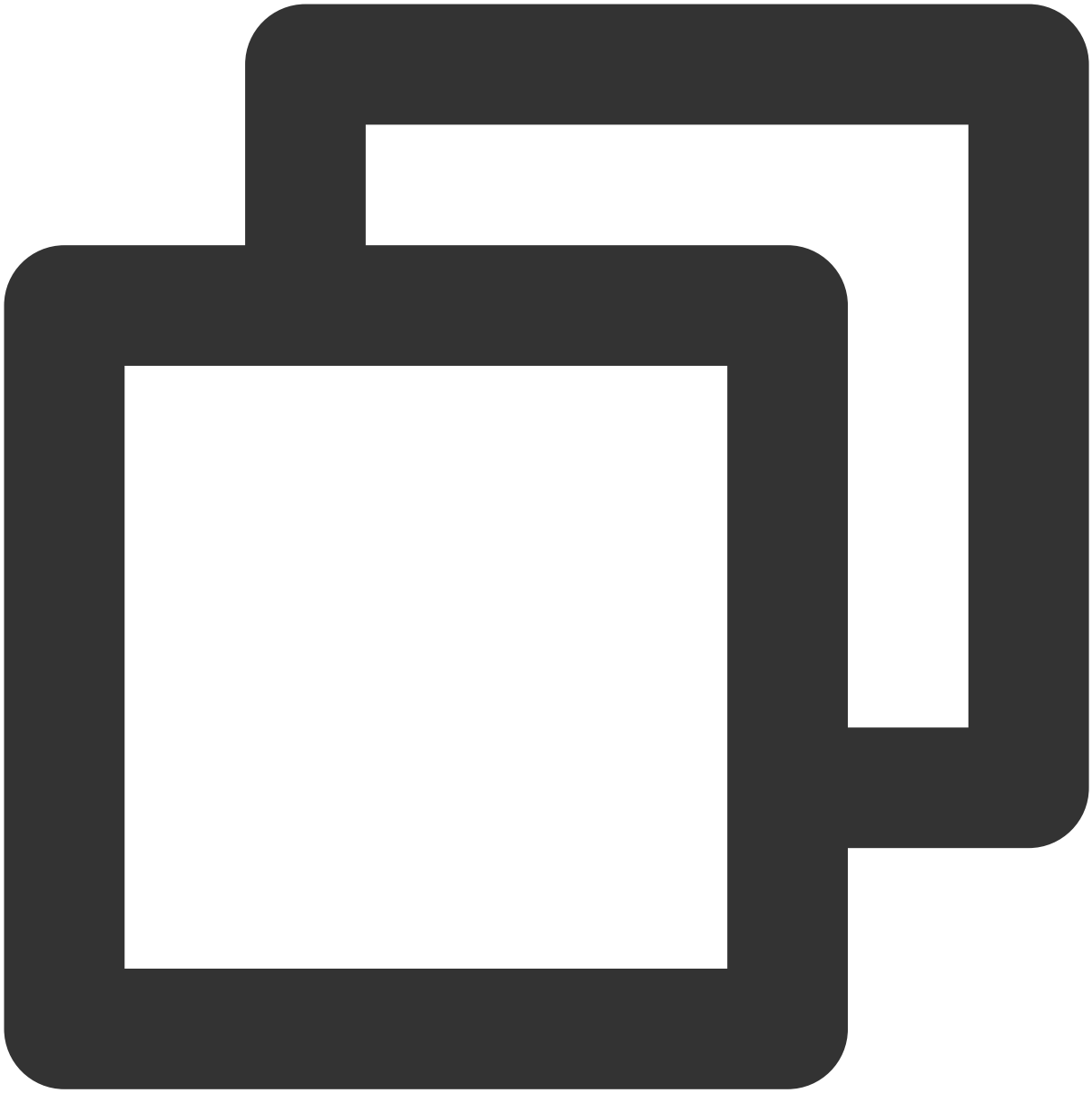
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes when `pageNumber` and `pageSize` are specified:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TotalCount>1</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <QueueList>
        <QueueId>A</QueueId>
        <Name></Name>
        <State>Active</State>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
```

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```
        <UpdateTime></UpdateTime>
        <CreateTime></CreateTime>
        <NotifyConfig>
            <Url></Url>
            <Type></Type>
            <State></State>
            <Event></Event>
        </NotifyConfig>
    </QueueList>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of queues	Int
PageNumber	Response	Current page number. Same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page. Same as `pageSize` in the request.	Int
QueueList	Response	Queue array	Container

`QueueList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueId	Response.QueueList	Queue ID	String
Name	Response.QueueList	Queue name	String
State	Response.QueueList	Current status: `Active` or `Paused`	String
NotifyConfig	Response.QueueList	Callback configuration	Container
MaxSize	Response.QueueList	Maximum length of the queue	Int

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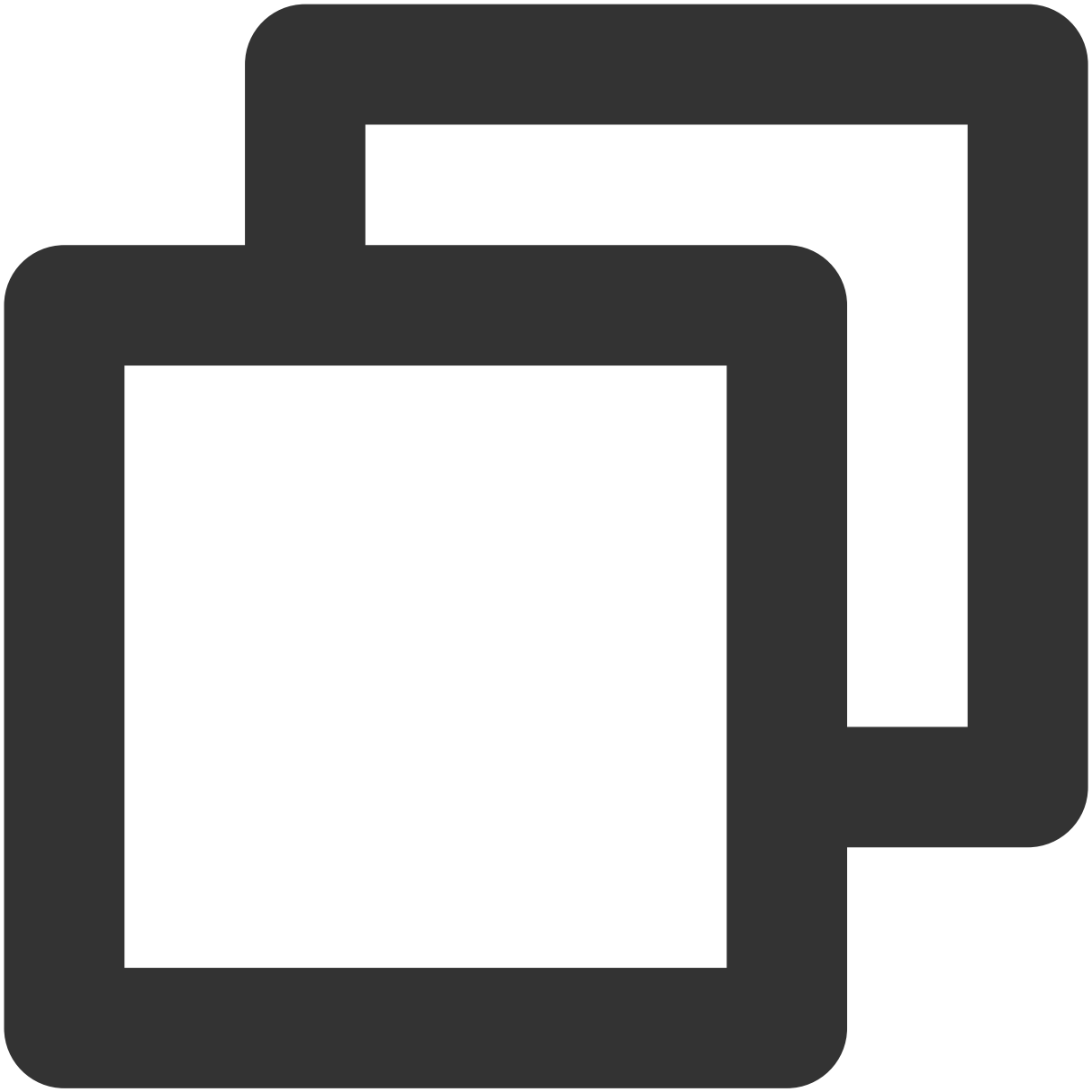
MaxConcurrent	Response.QueueList	Maximum number of concurrent jobs in the current queue	Int
UpdateTime	Response.QueueList	Update time	String
CreateTime	Response.QueueList	Creation time	String

`NotifyConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Url	Response.QueueList.NotifyConfig	Callback address	String
State	Response.QueueList.NotifyConfig	Switch status: `On` or `Off`	String
Type	Response.QueueList.NotifyConfig	Callback type: Url	String
Event	Response.QueueList.NotifyConfig	The event that triggered the callback	String

The response body returns **application/xml** data. The following contains all the nodes when `queueIds` is specified:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <QueueList>
        <QueueId>A</QueueId>
        <Name></Name>
        <State>Active</State>
        <NotifyConfig>
            <Url></Url>
        </NotifyConfig>
    </QueueList>
    <NonExistPIDs>
```

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```
        <QueueID>B</QueueID>
        <QueueID>C</QueueID>
    </NonExistPIDs>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
QueueList	Response	Queue array. Same as `QueueList` described above.	Container
NonExistPIDs	Response	List of non-existing queue IDs	Container

`NonExistPIDs` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueID	Response.NonExistPIDs	Queue ID	String

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Updating Speech Recognition Queue

Last updated：2024-02-18 15:49:31

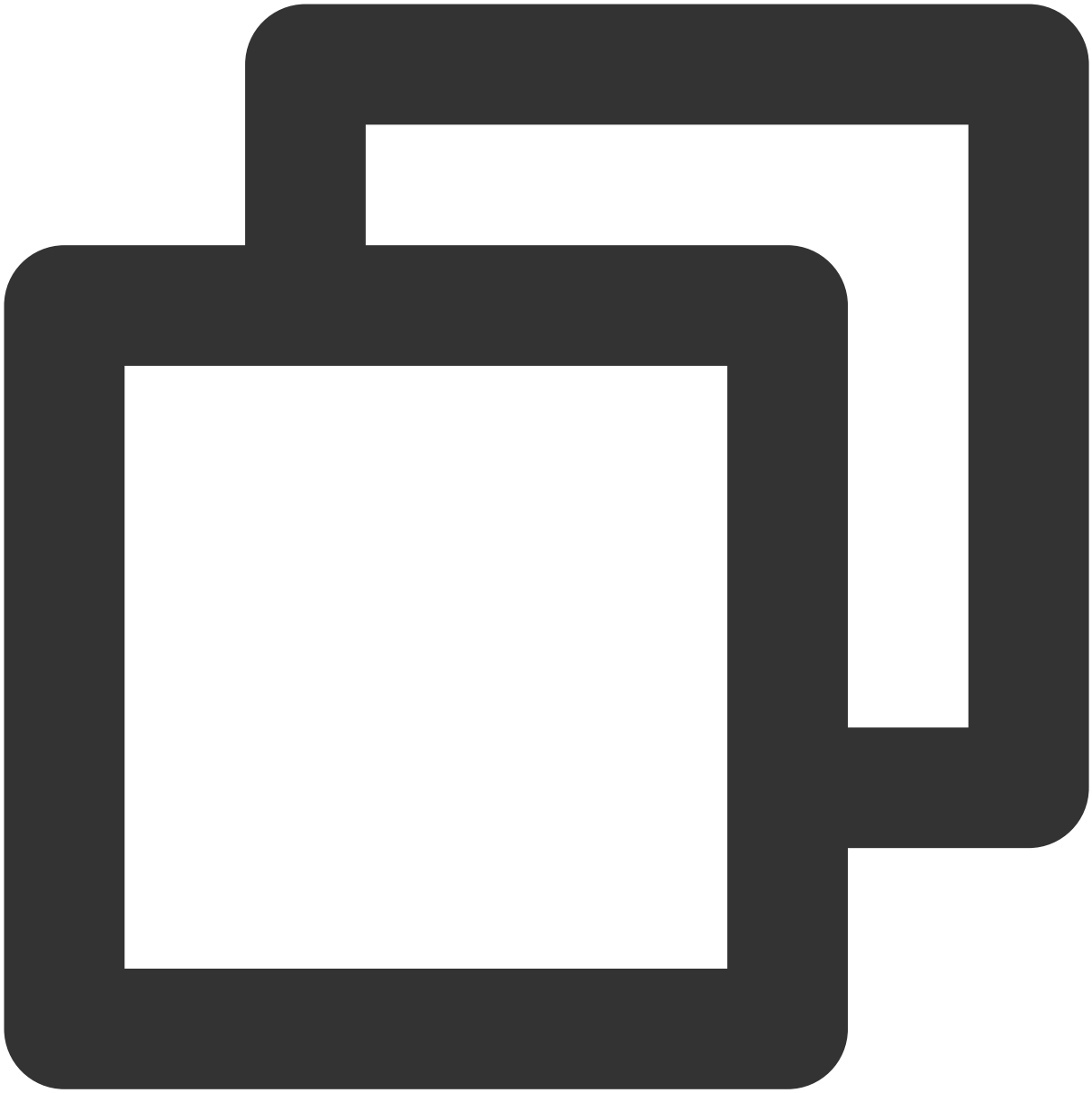
Feature Description

This API (`UpdateSpeechQueue`) is used to update a speech recognition queue.

Request

Sample request

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```
PUT /asrqueue/p8eb46b8cc1a94bc09512d16c5c4f4d3a HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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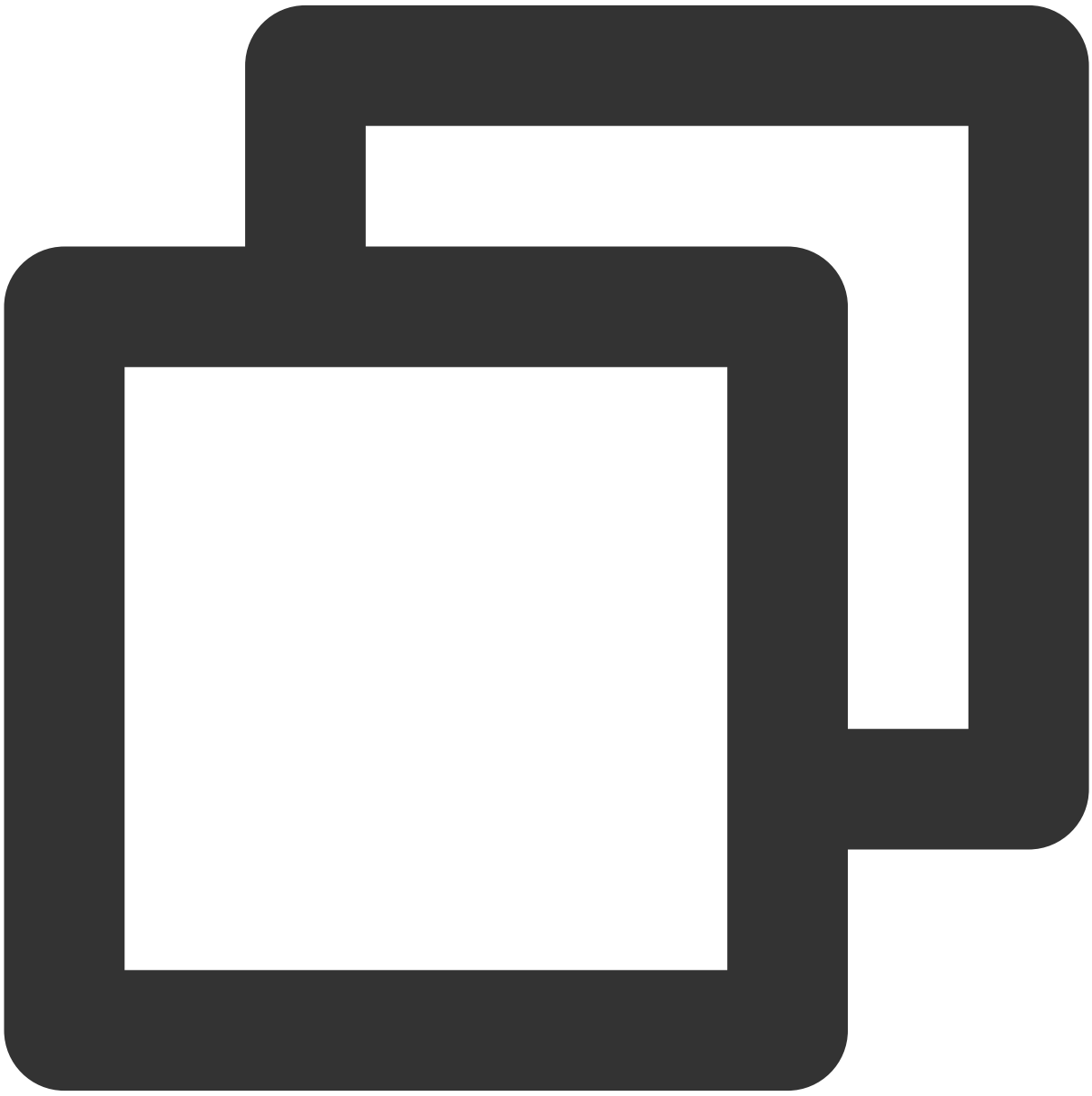
Authorization: Auth String (for more information, see Request Signature).
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Name>Queue Name</Name>
    <QueueID></QueueID>
    <State></State>
    <NotifyConfig>
        <Type></Type>
        <Url></Url>
        <Event></Event>
    </NotifyConfig>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Name	Request	Template name	String	Yes	Length limit: 100 characters
QueueID	Request	Channel ID	String	Yes	-
State	Request	Channel status	String	Yes	1. Active: Jobs in the channel will be scheduled and executed by the speech recognition service. Paused: The channel is paused, and jobs in it will no longer be scheduled and executed. All jobs in the channel will remain in the `Submitted` status, while jobs being executed will continue without being affected.
NotifyConfig	Request	Notification channel	Container	Yes	Third-party callback URL

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`NotifyConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Url	Request.NotifyConfig	Callback configuration	String	No	Length limit: 100 characters
Type	Request.NotifyConfig	Callback type. General callback: Url	String	No	Length limit: 100 characters
Event	Request.NotifyConfig	Callback event	String	No	Length limit: 100 characters
State	Request.NotifyConfig	Callback switch: `Off` or `On`	String	No	Length limit: 100 characters

Response

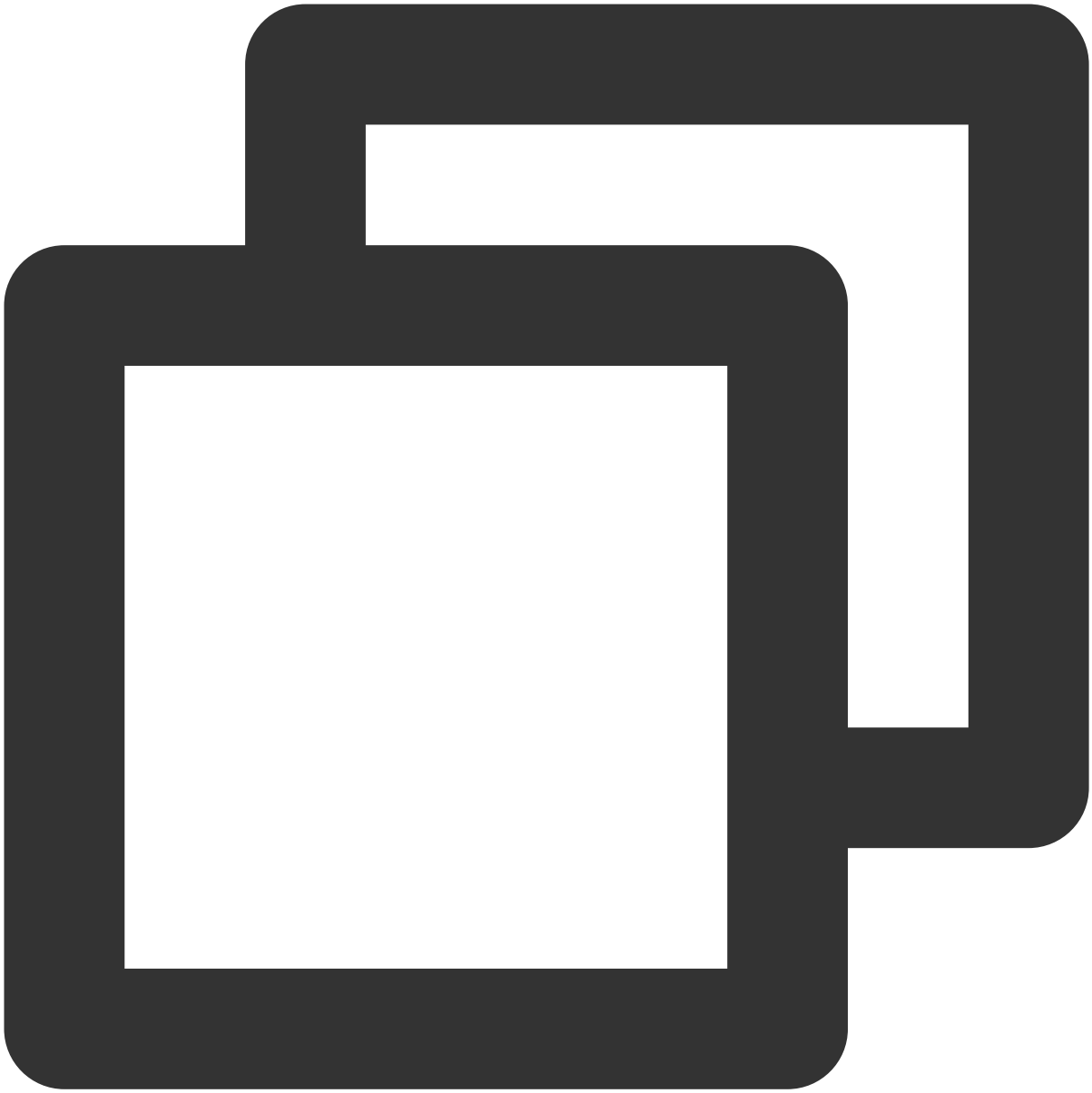
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <Queue>
        <QueueId></QueueId>
        <Name></Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>mts-topic-1</Url>
            <Type></Type>
            <Event></Event>
        </NotifyConfig>
```

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```
        <CreateTime></CreateTime>
        <UpdateTime></UpdateTime>
    </Queue>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
Queue	Response	Queue information. Same as `Response.QueueList` in [DescribeSpeechQueues].	Container

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Search by Image
Enabling Search by Image

Last updated：2024-02-18 15:49:31

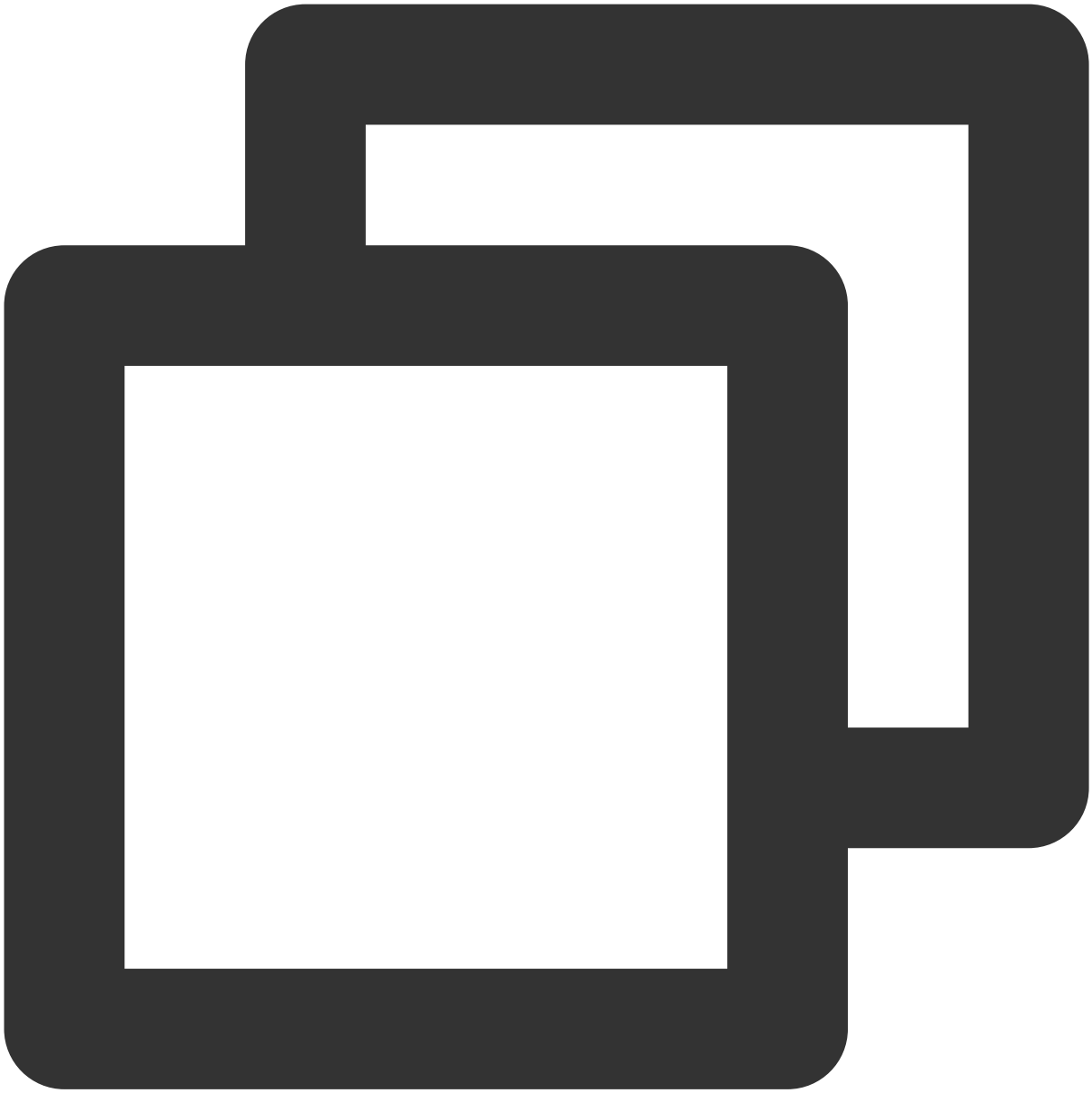
Overview

This API is used to enable the search by image feature for a bucket.

Request

Sample request

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```
POST /ImageSearchBucket HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request parameters

This API has no request parameter.

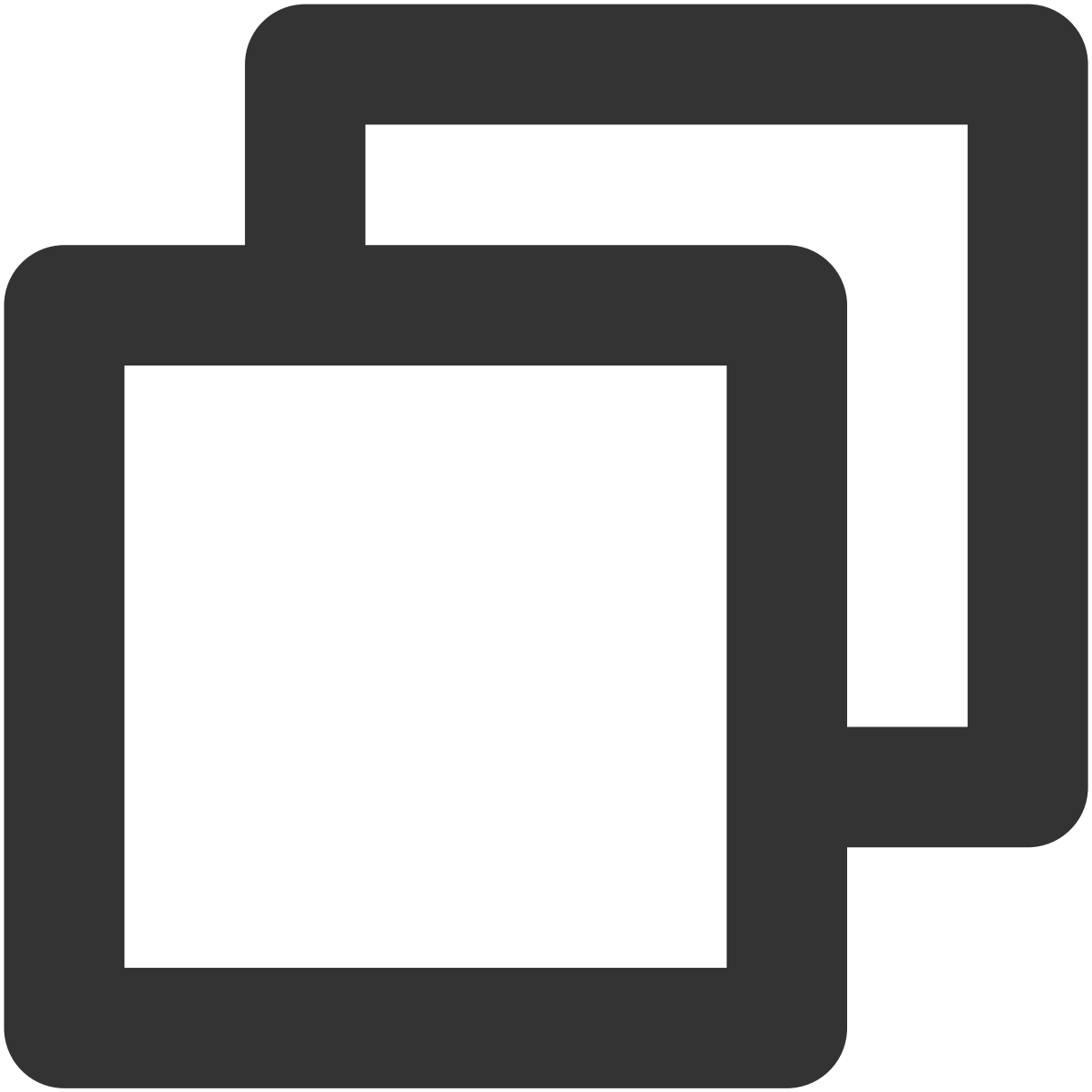
Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:

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```
<Request>
    <MaxCapacity>10000</MaxCapacity>
    <MaxQps>10</MaxQps>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

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`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
MaxCapacity	Request	Maximum capacity of the image library	Int	Yes
MaxQps	Request	Maximum QPS of the image library. Default value: `10`	Int	No

Note:

The capacity of the image library cannot be modified after being set.

Response

Response headers

This API only returns Common Response Headers.

Response body

This response has no response body.

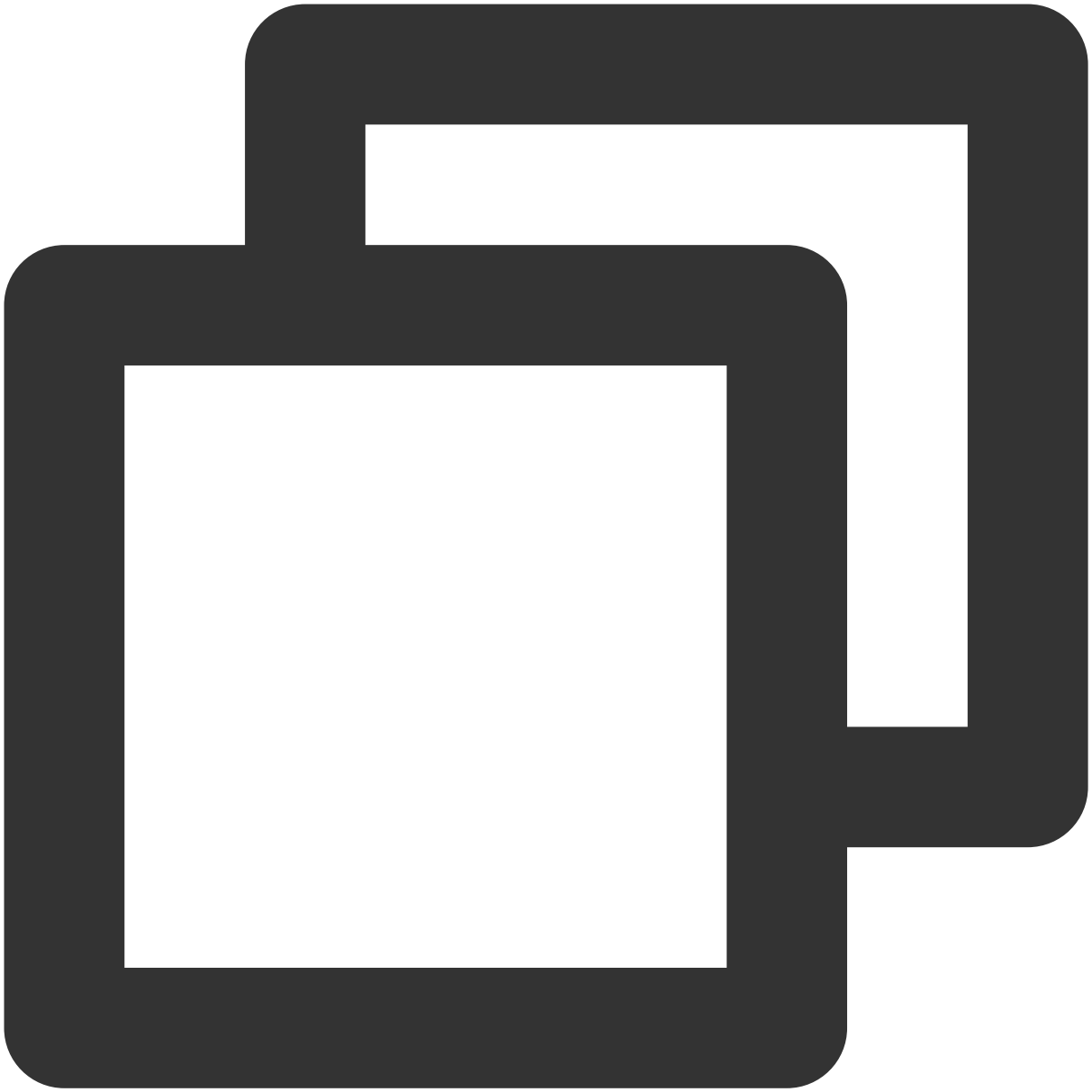
Error codes

This API returns common error responses and error codes. For more information, see Error Codes.

Examples

Request

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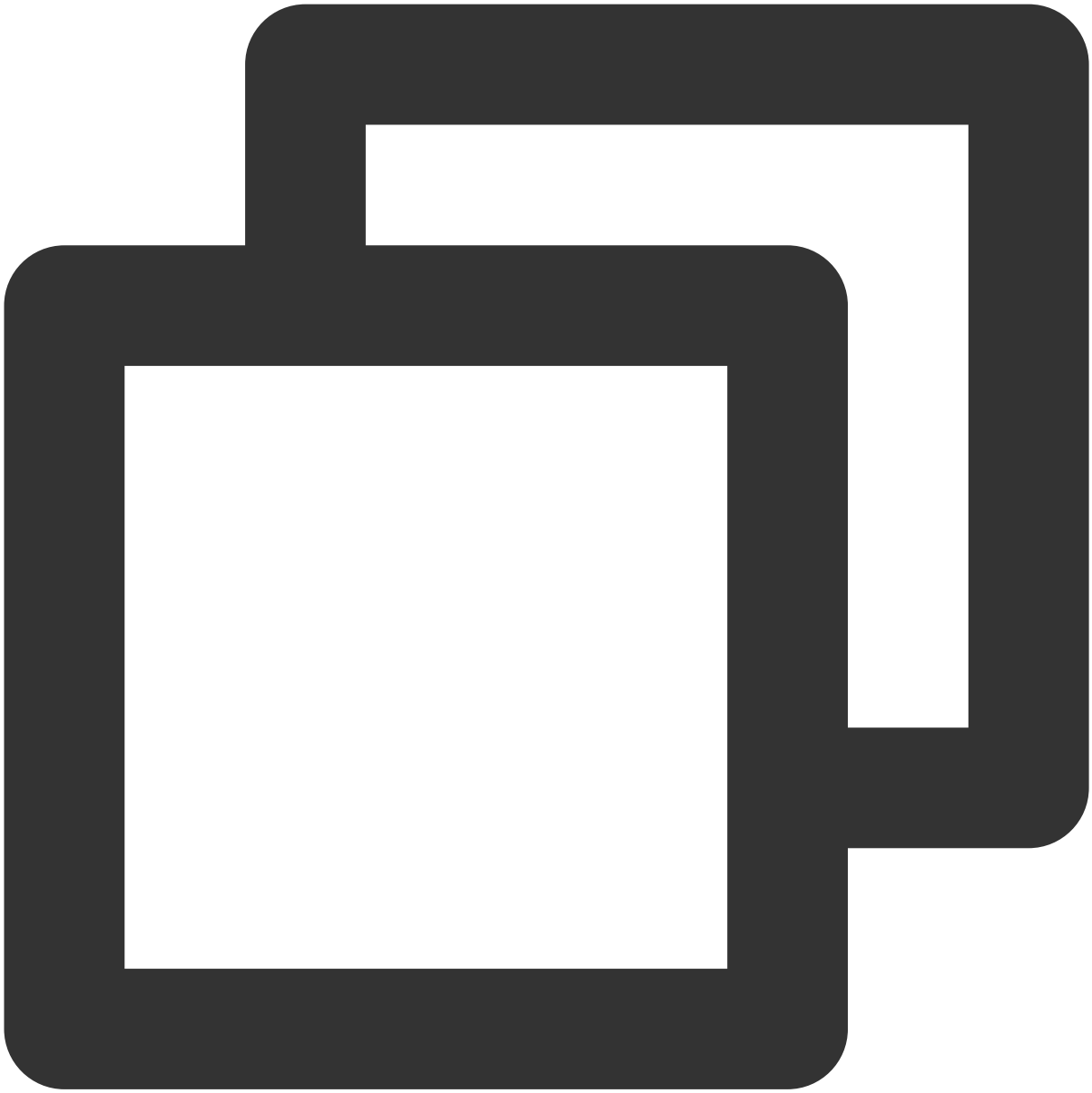


```
POST /ImageSearchBucket HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKID8A0fBVtYFrNm02oY1g1JQQF0c3JO****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 50
Content-Type: application/xml

<Request>
    <MaxCapacity>10000</MaxCapacity>
    <MaxQps>10</MaxQps>
</Request>
```

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Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 0
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****
```

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Adding Images to a Library

Last updated：2024-02-18 15:49:31

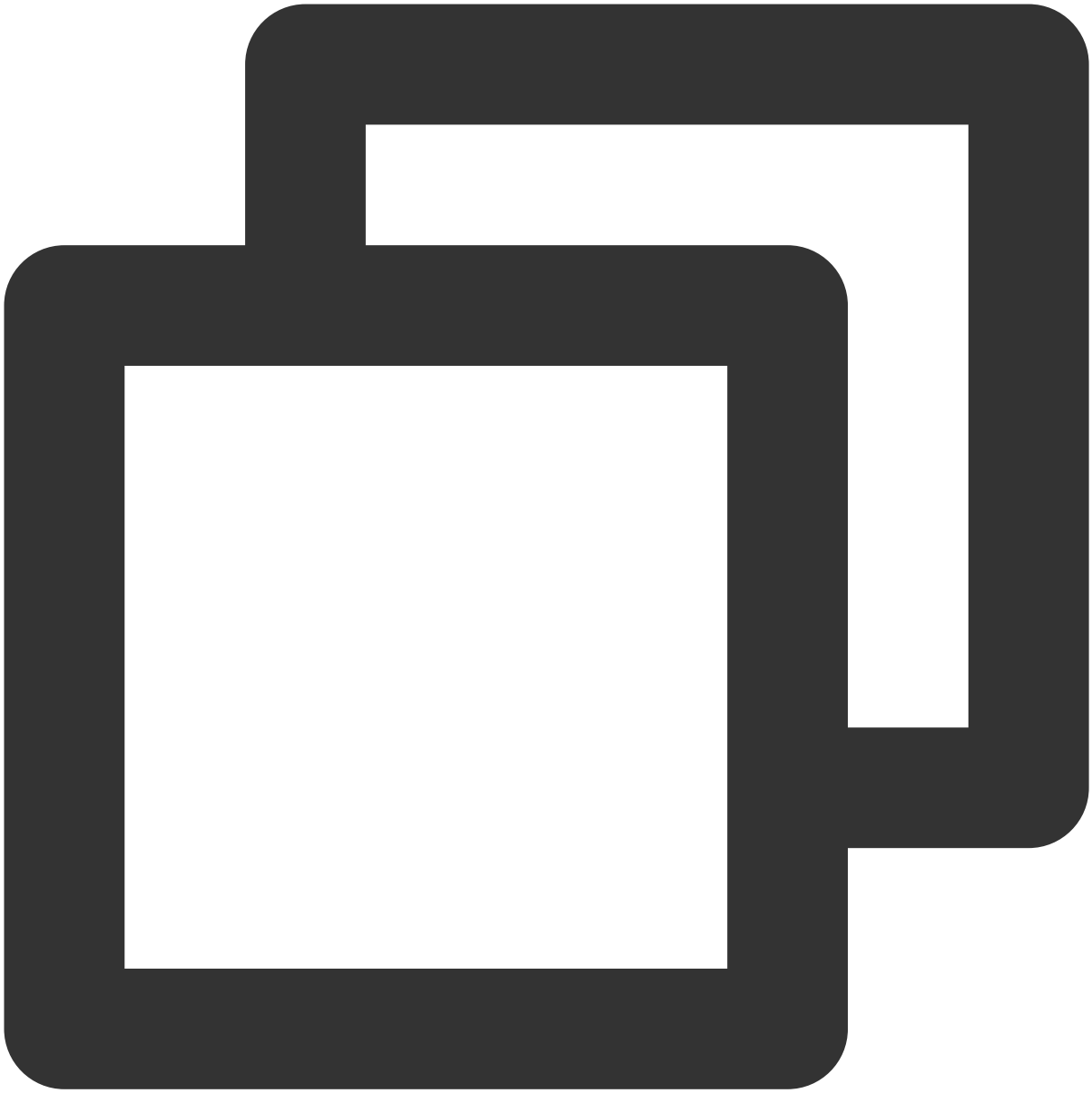
Overview

This API is used to add an image to an image library.

Request

Sample request

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```
POST /<ObjectKey>?ci-process=ImageSearch&action=AddImage HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (For more information, please see Request Signature.)

Request parameters

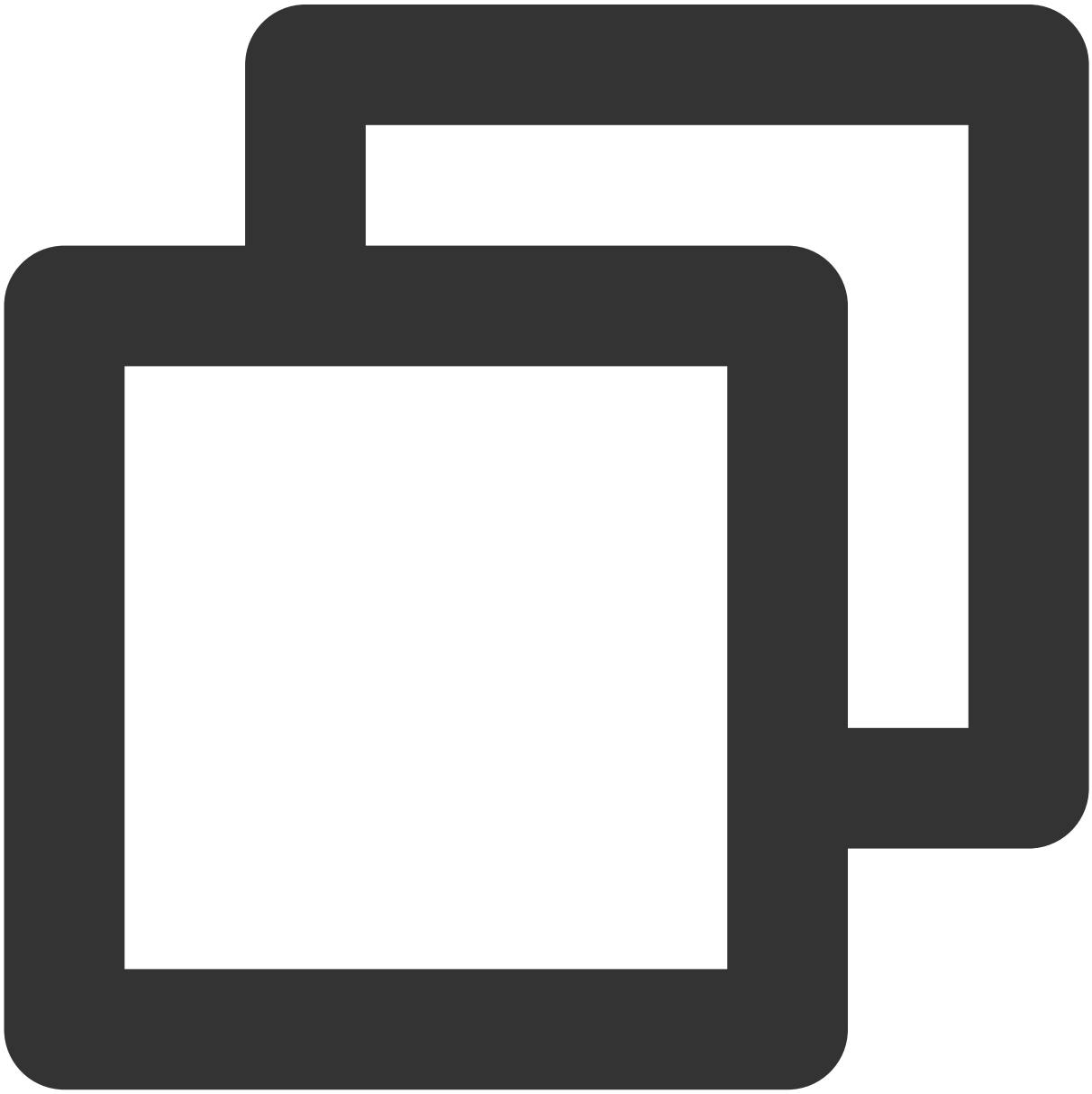
This API has no request parameter.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <EntityId>apple</EntityId>
    <CustomContent>myapple</CustomContent>
    <Tags>{"key1":"val1","key2":"val2"}</Tags>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
EntityId	Request	Entity ID, which can be up to 64 characters. If the `EntityId` already exists, this request adds the image to it.	String	Yes
CustomContent	Request	Custom content, which can be up to 4,096 characters. The content set will be returned when the image is queried.	String	No
Tags	Request	Custom tags. The value is a JSON string containing up to 10 key:value pairs.	String	No

Response

Response headers

This API only returns Common Response Headers.

Response body

This response has no response body.

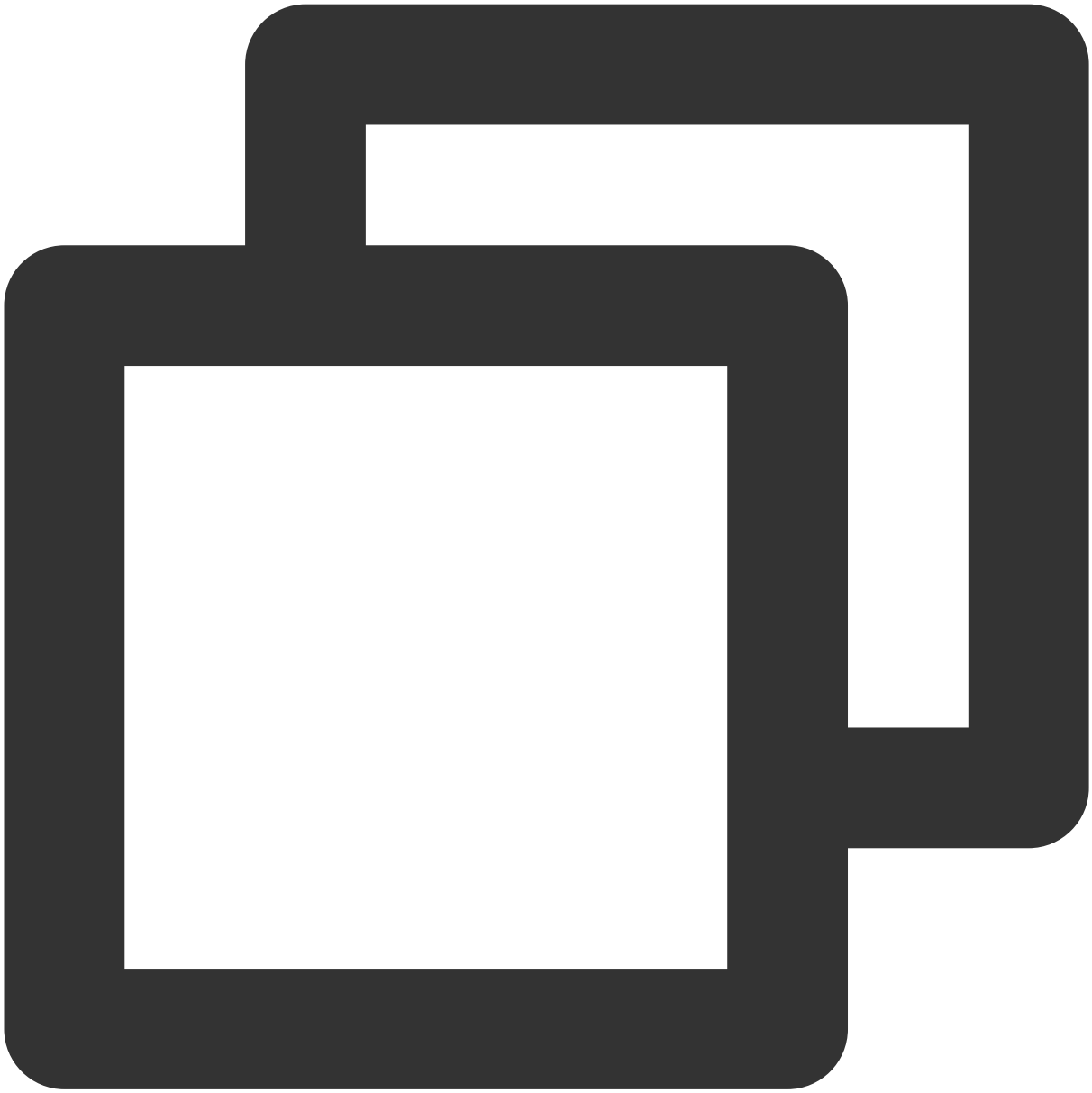
Error codes

This API returns common error responses and error codes. For more information, please see Error Codes.

Samples

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Request



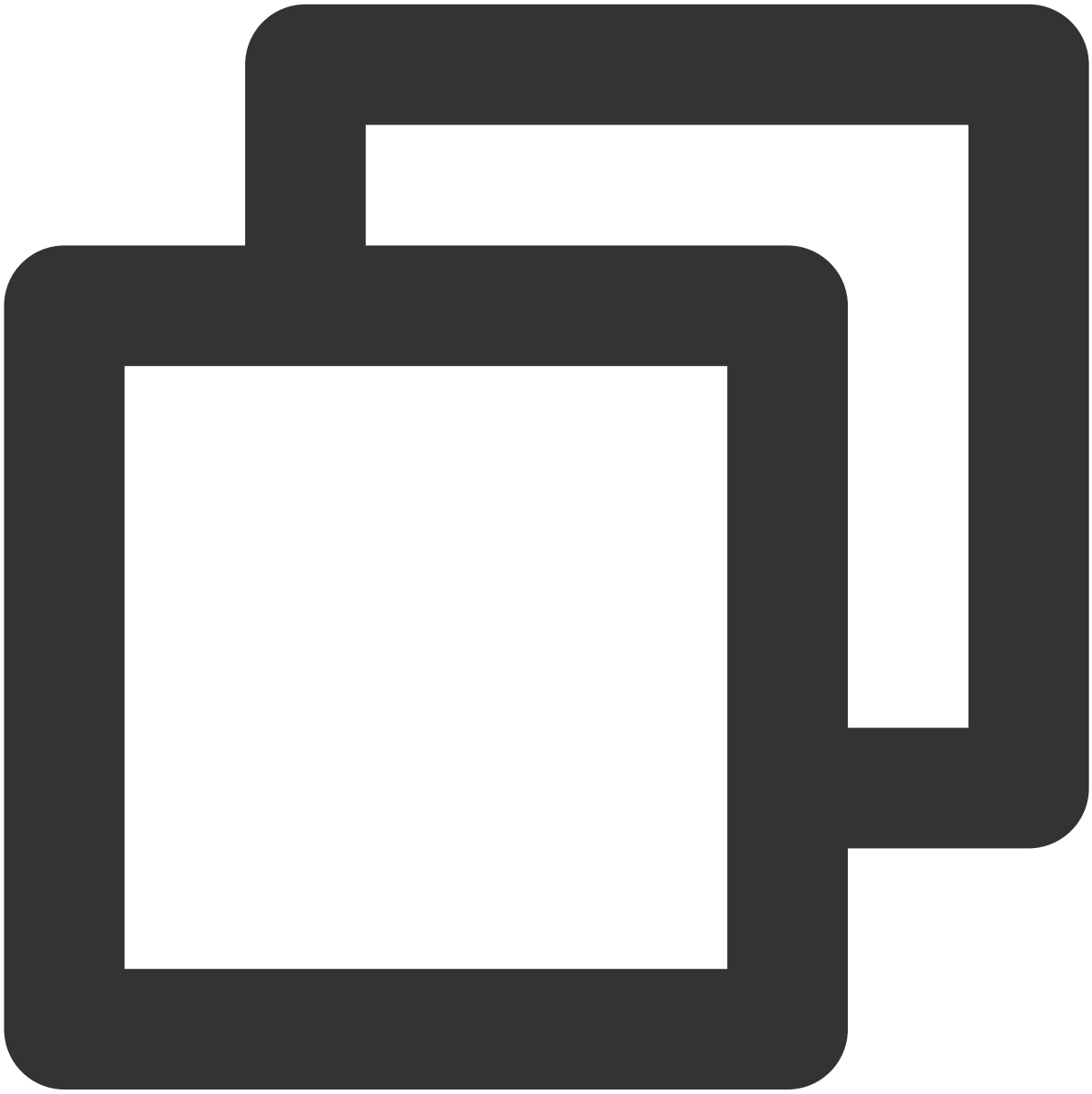
```
POST /<ObjectKey>?ci-process=ImageSearch&action=AddImage HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKID8A0fBVtYFrNm02oY1g1JQQF0c3JO****&q-si
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
Content-Length: 100
Content-Type: application/xml

<Request>
    <EntityId>apple</EntityId>
    <CustomContent>myapple</CustomContent>
```

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```
    <Tags>{"key1":"val1","key2":"val2"}</Tags>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 0
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
```

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```
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****
```

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Search by Image APIs

Last updated：2024-02-18 15:49:30

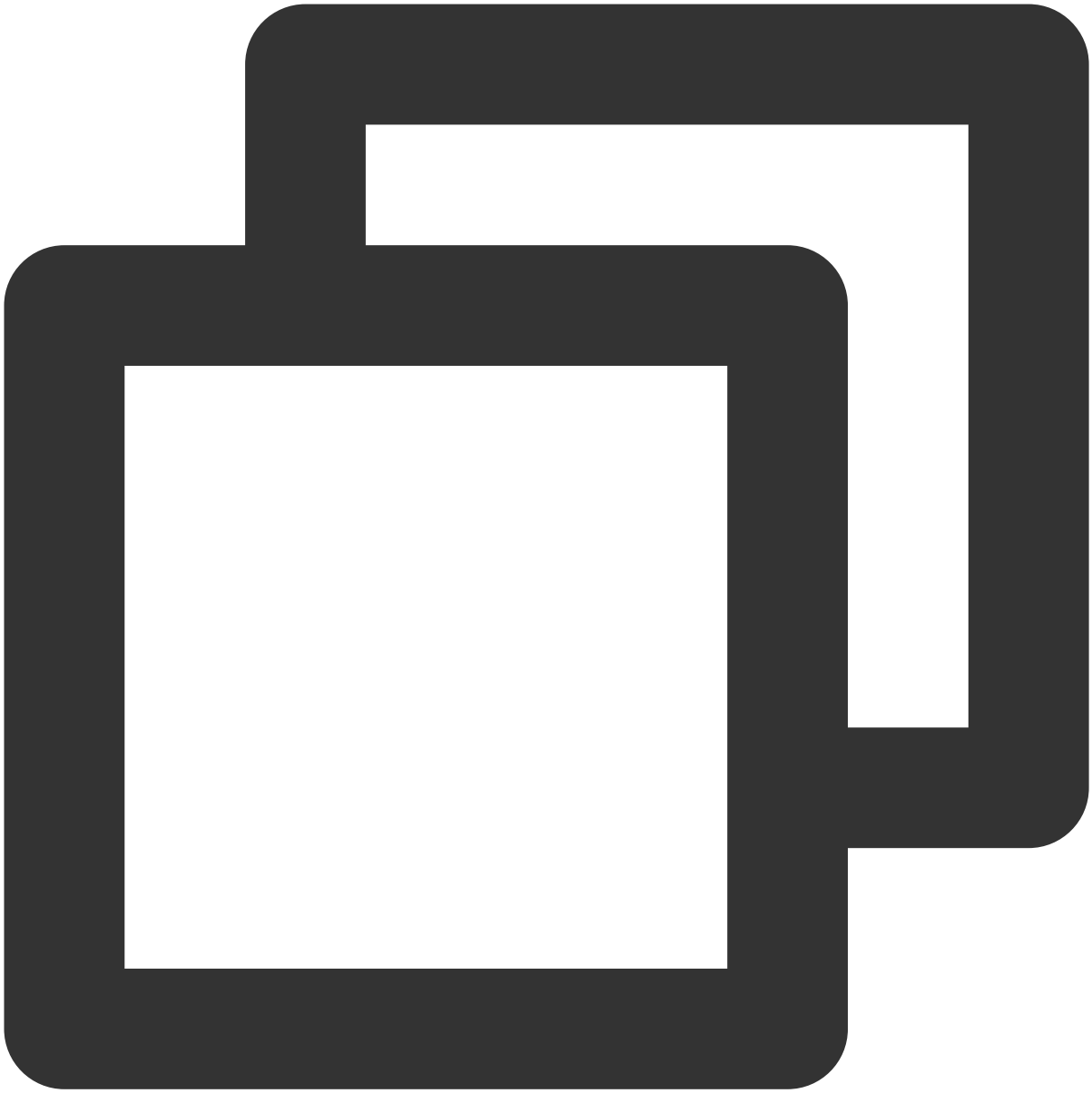
Overview

This API is used to search for images.

Request

Sample request

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```
GET /<ObjectKey>?ci-process=ImageSearch&action=SearchImage&MatchThreshold=&Offset=
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (For more information, please see Request Signature.)

Request parameters

The nodes are described as follows:

Node Name (Keyword)	Description	Type	Required
MatchThreshold	Only images scoring higher than the value of `MatchThreshold` will be returned. Default value: `0`	Int	No
Offset	Starting number. Default value: `0`	Int	No
Limit	Number of images to return. Default value: `10` . Maximum value: `100`	Int	No
Filter	Uses image tags to filter images. You can use AND and OR to set multiple conditions (>, >=, <, <=, =, !=).	String	No

Request headers

This API only uses Common Request Headers.

Request body

This request does not have a request body.

Response

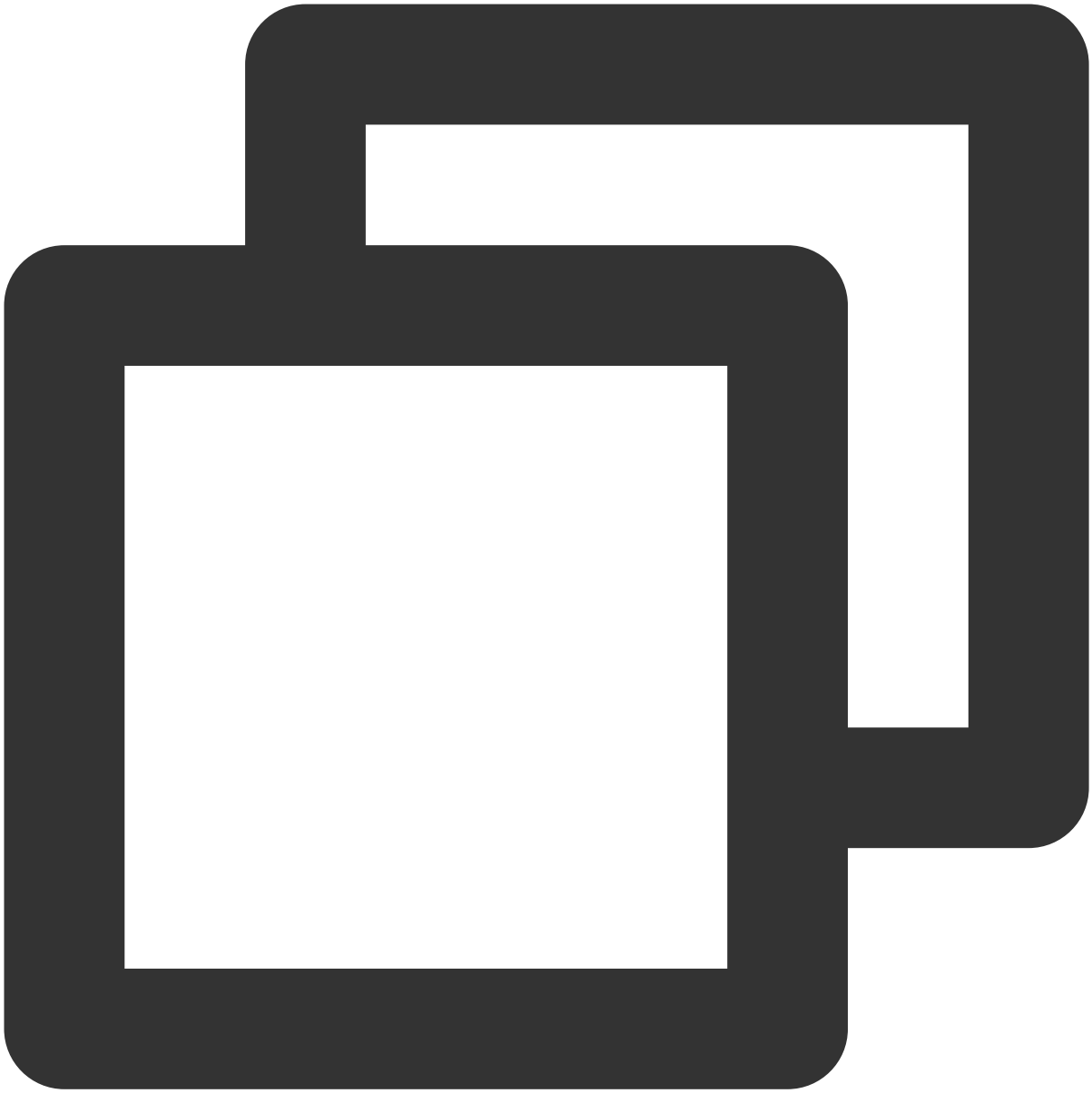
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Count>2</Count>
    <ImageInfos>
        <EntityId>apple</EntityId>
        <PicName>ObjectKey1</PicName>
        <Score>99</Score>
        <CustomContent>XXX</CustomContent>
        <Tags>{"key1":"value1","key2":"value2"}</Tags>
    </ImageInfos>
    <ImageInfos>
        <EntityId>apple</EntityId>
```

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```
        <PicName>ObjectKey2</PicName>
        <Score>90</Score>
        <CustomContent>XXX</CustomContent>
        <Tags>{"key1":"value1","key2":"value2"}</Tags>
    </ImageInfos>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
Count	Response	Number of images returned	Int
ImageInfos	Response	Image information	Container

`ImageInfos` is an array. Each of its items includes the following nodes:

Node Name (Keyword)	Parent Node	Description	Type
EntityId	ImageInfos	Entity ID	String
CustomContent	ImageInfos	Custom content set for the image	String
Tags	ImageInfos	Custom tags. The value is a JSON string.	String
PicName	ImageInfos	Image name	String
Score	ImageInfos	Similarity score	Int

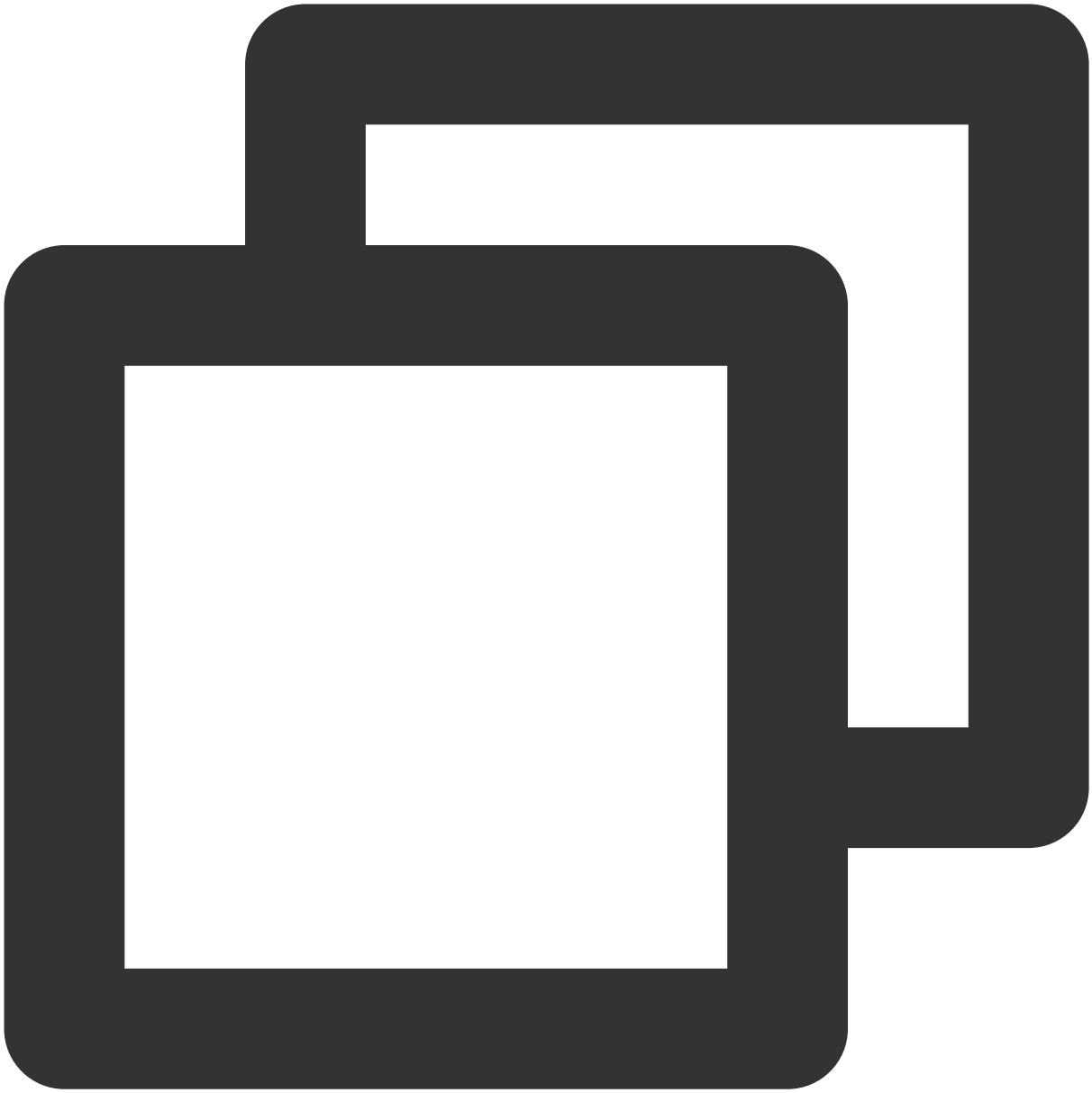
Error codes

This API returns common error responses and error codes. For more information, please see Error Codes.

Samples

Request

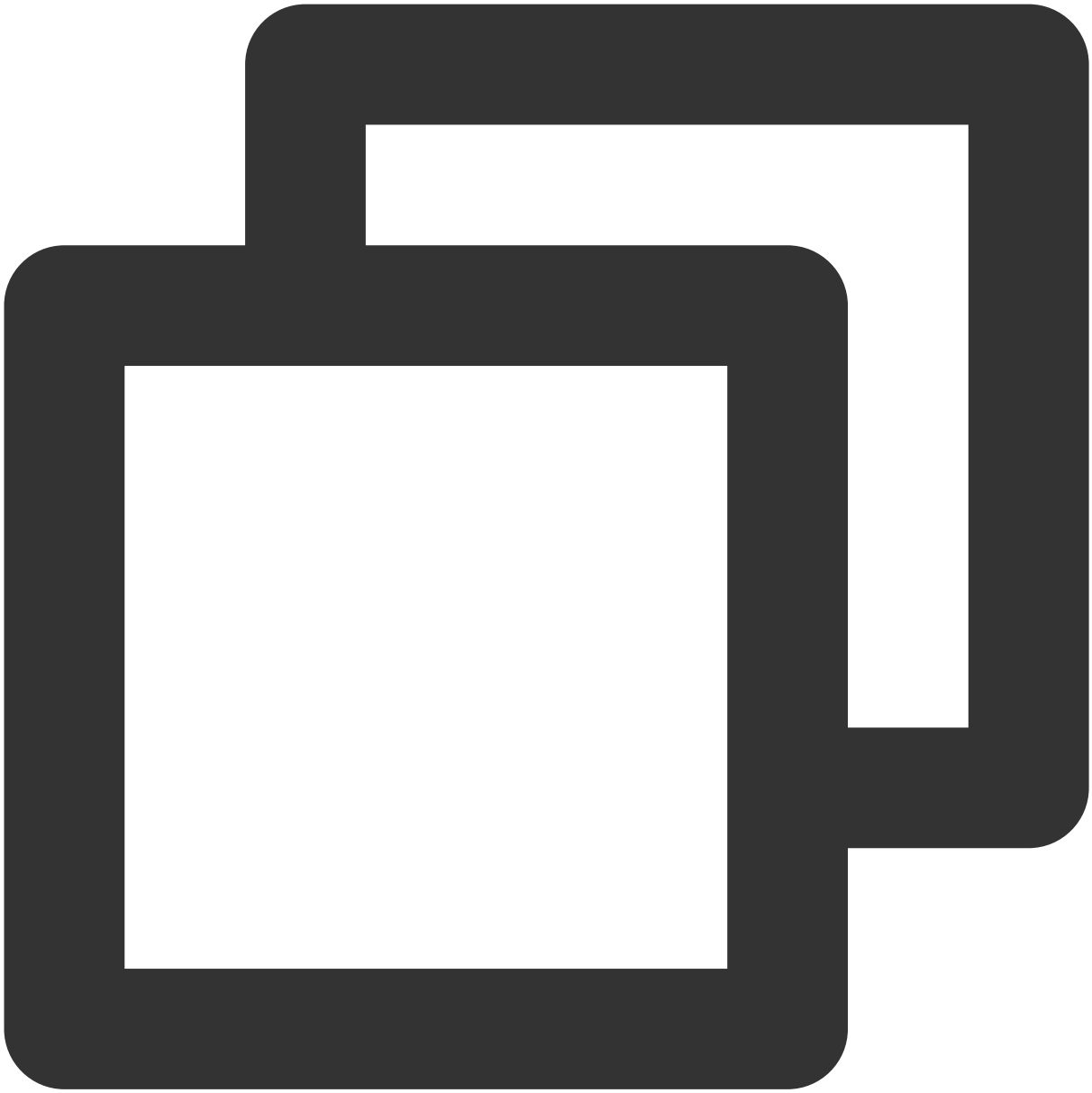
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```
GET /<ObjectKey>?ci-process=ImageSearch&action=SearchImage&MatchThreshold=10&Offset
Authorization: q-sign-algorithm=sha1&q-ak=AKID8A0fBVtYFrNm02oY1g1JQQF0c3JO****&q-si
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 150
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Count>2</Count>
    <ImageInfos>
```

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```
        <EntityId>apple</EntityId>
        <PicName>ObjectKey</PicName>
        <Score>99</Score>
        <CustomContent>XXX</CustomContent>
        <Tags>{"key1":"value1","key2":"value2"}</Tags>
    </ImageInfos>
    <ImageInfos>
        <EntityId>apple</EntityId>
        <PicName>ObjectKey2</PicName>
        <Score>90</Score>
        <CustomContent>XXX</CustomContent>
        <Tags>{"key1":"value1","key2":"value2"}</Tags>
    </ImageInfos>
</Response>
```

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Deleting Library Images

Last updated：2024-02-18 15:49:30

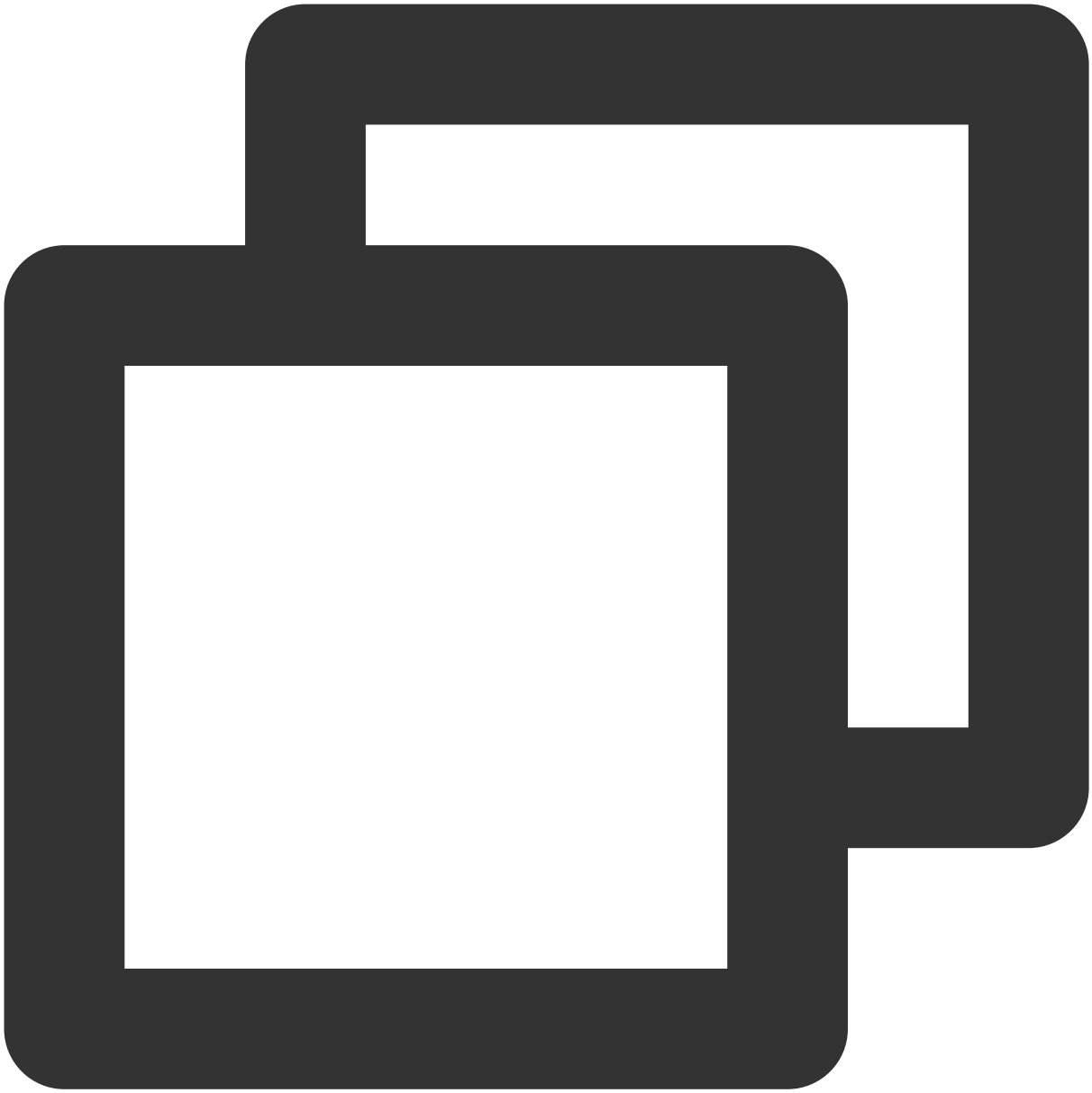
Overview

This API is used to delete images from an image library.

Request

Sample request

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```
POST /<ObjectKey>?ci-process=ImageSearch&action=DeleteImage HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (For more information, please see Request Signature.)

Request parameters

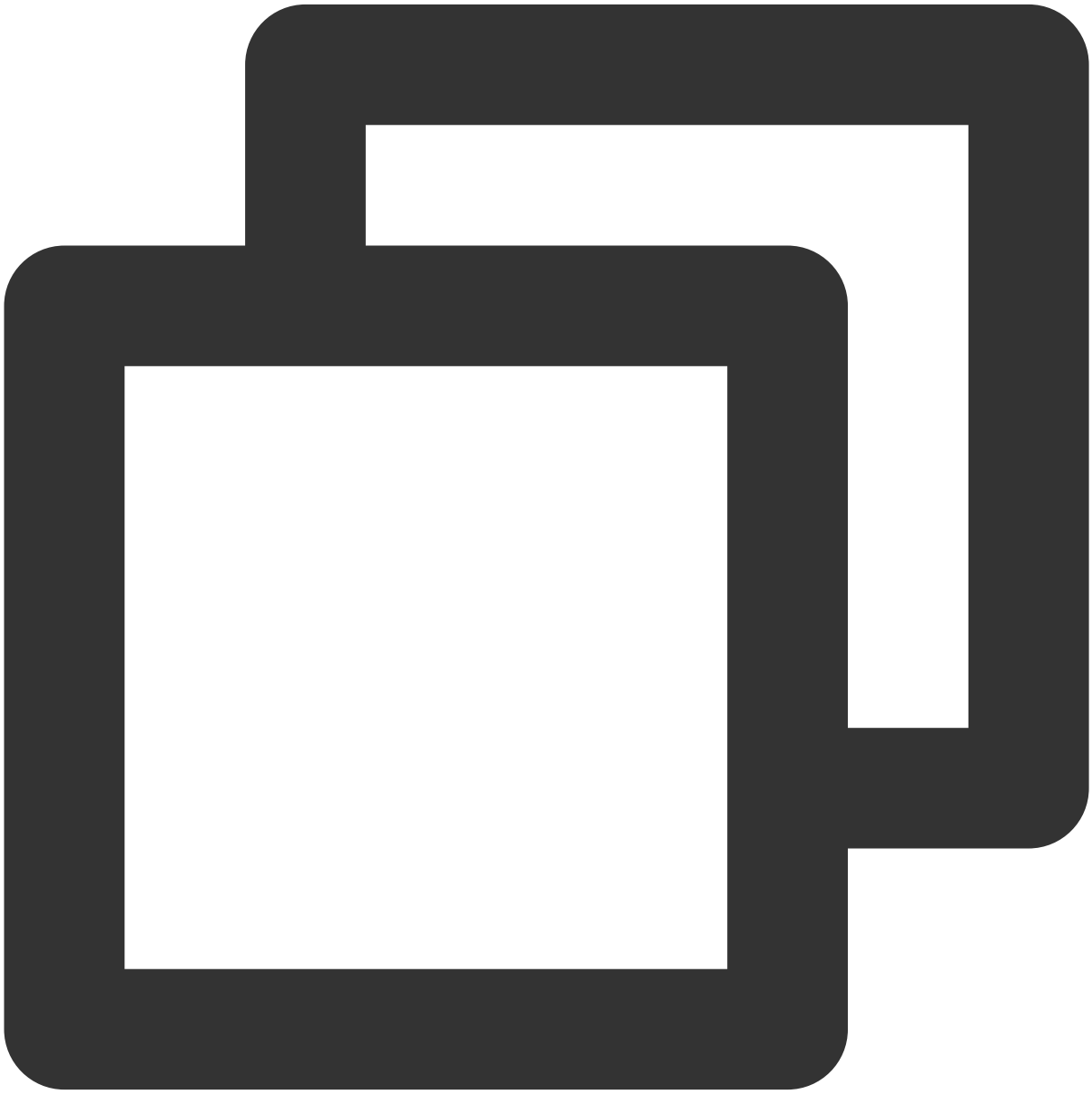
This API has no request parameter.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <EntityId>apple</EntityId>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
EntityId	Request	Entity ID	String	Yes

Response

Response headers

This API only returns Common Response Headers.

Response body

This response has no response body.

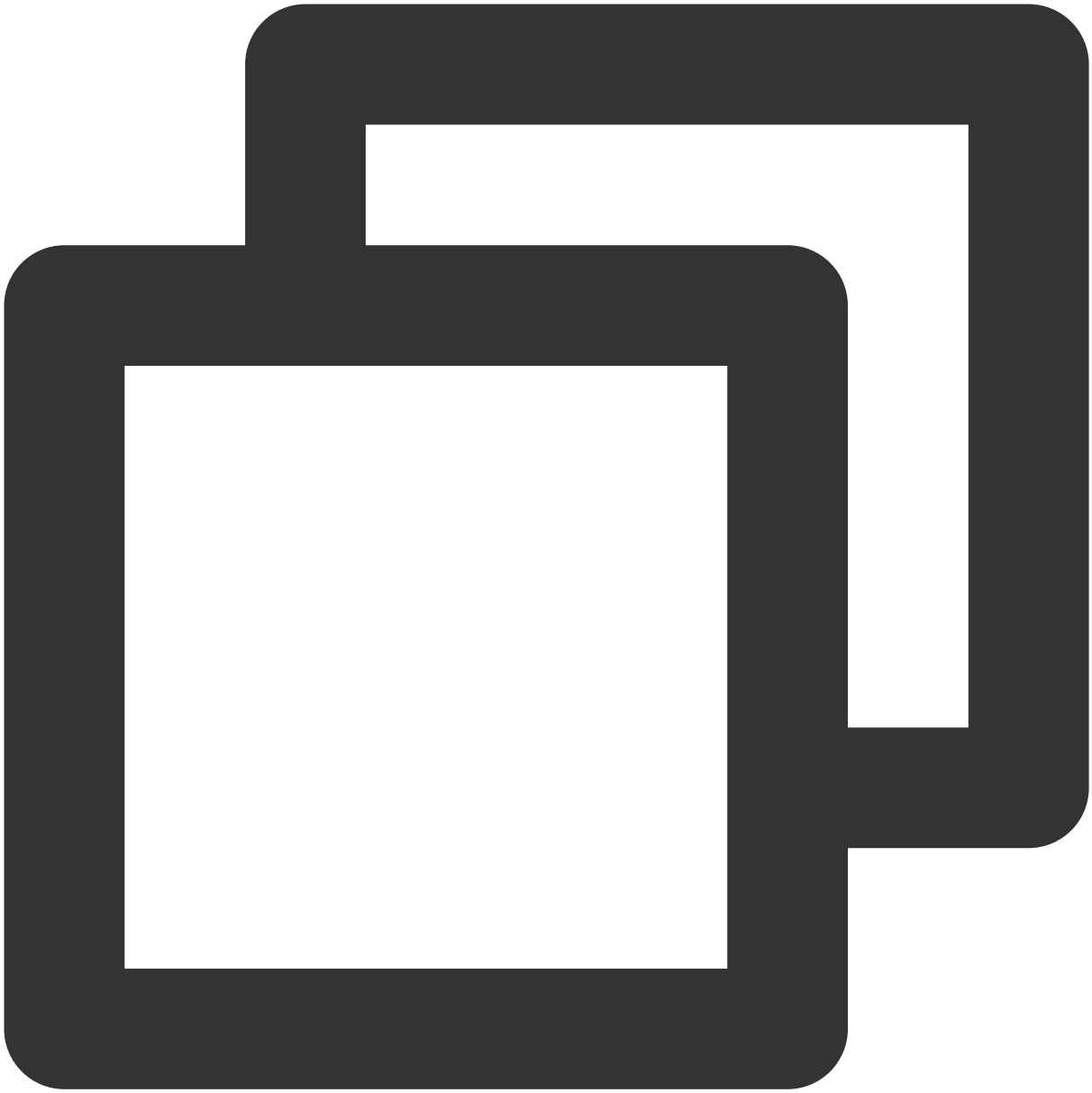
Error codes

This API returns common error responses and error codes. For more information, please see Error Codes.

Samples

Request

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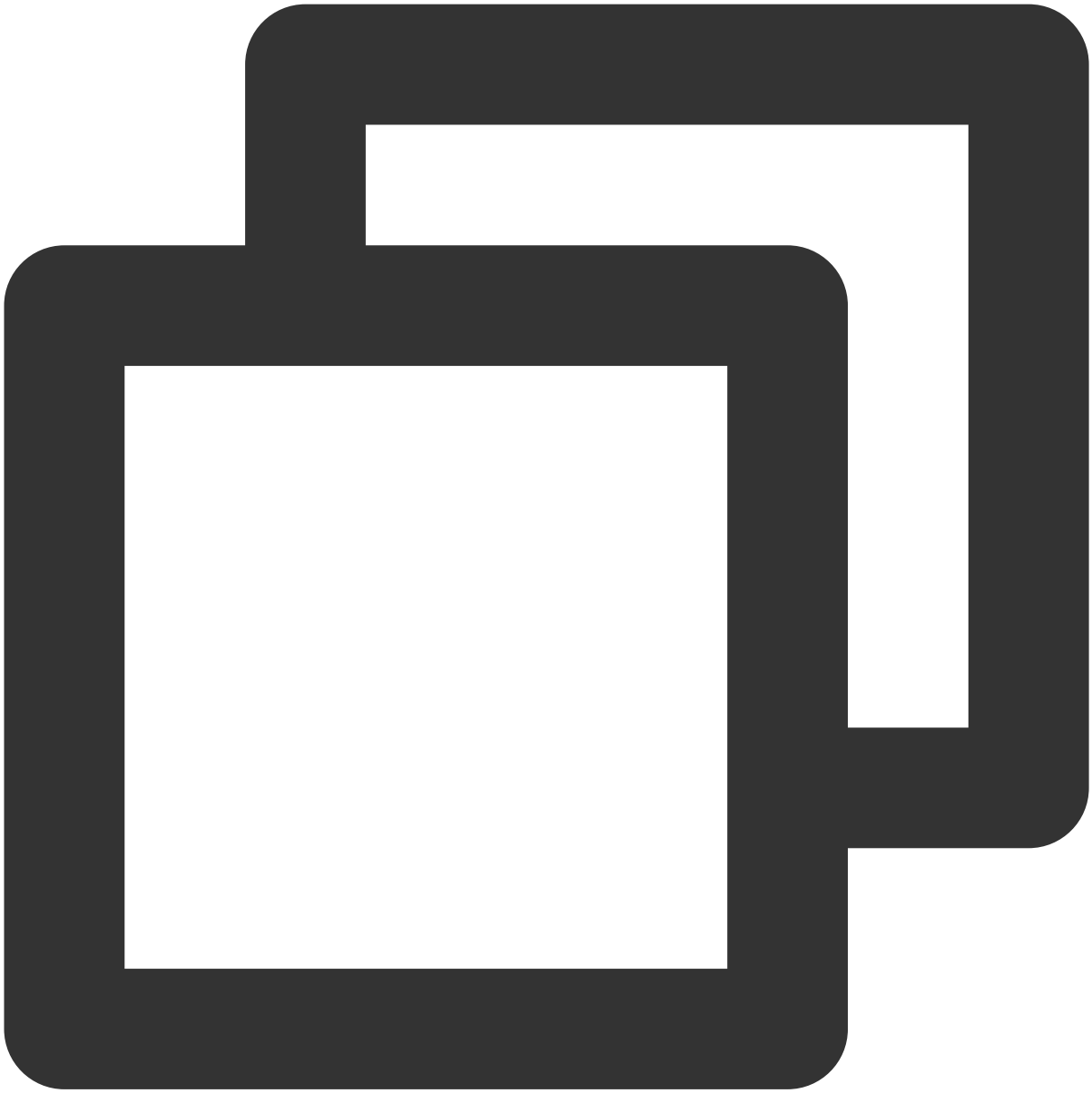


```
POST /<ObjectKey>?ci-process=ImageSearch&action=DeleteImage HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-si
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
Content-Length: 20
Content-Type: application/xml

<Request>
    <EntityId>apple</EntityId>
</Request>
```

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Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 0
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****
```

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Queue APIs
Querying Queue

Last updated：2024-02-18 15:49:30

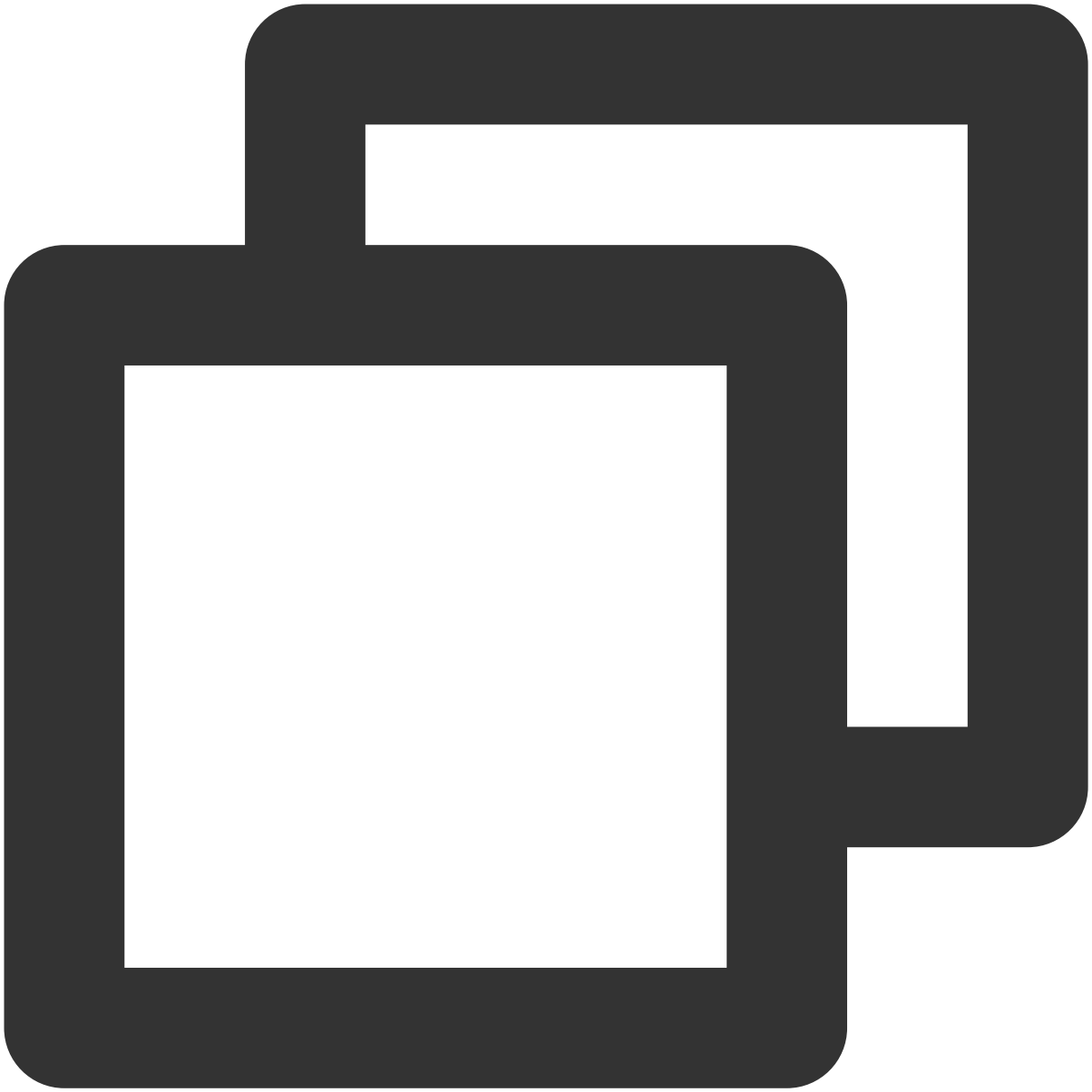
Feature Description

This API is used to search for an AI-based content recognition queue.

Request

Sample request

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```
GET /ai_queue HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter (Keyword)	Description	Type	Required
queueIds	Queue ID. If you enter multiple IDs, separate them by comma.	String	No
state	1. `Active` : Jobs in the queue will be scheduled and executed by the media processing service. 2. `Paused` : The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the `Paused` status, while jobs being executed will not be affected.	String	No
pageNumber	Page number. Default value: `1` .	String	No
pageSize	Number of entries per page. Default value: `10` .	String	No

Response

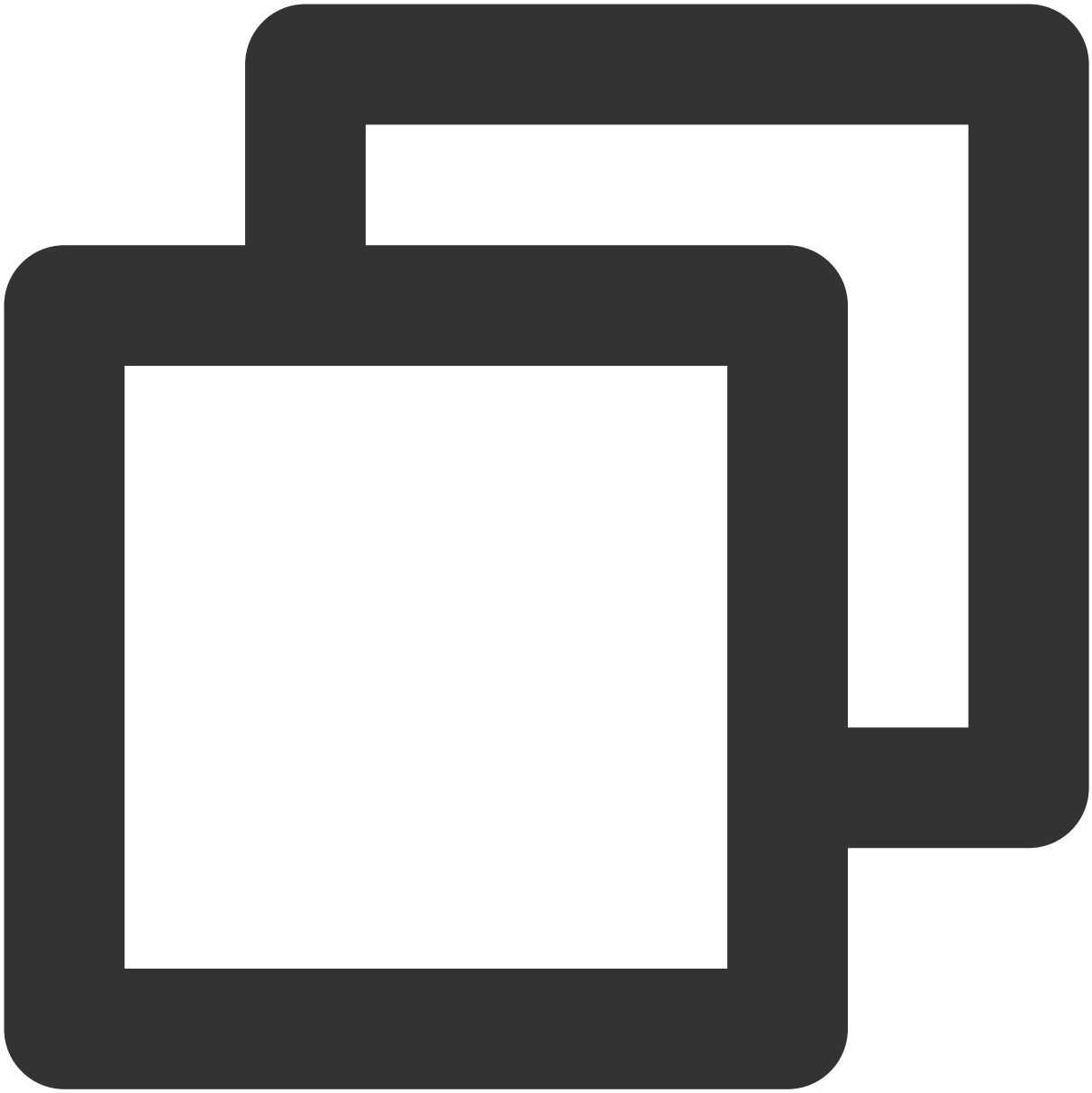
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes when `pageNumber` and `pageSize` are specified:

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```
<Response>
    <RequestId>NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x</RequestId>
    <TotalCount>1</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <QueueList>
        <QueueId>p23f69f4779e64b18aa61e70d5416c071</QueueId>
        <Name>queue-ai-process-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
```

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```
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>AIProcess</Category>
    </QueueList>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of queues	Int
PageNumber	Response	Current page number, which is the same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
QueueList	Response	Queue array	Container array
NonExistPIDs	Response	List of IDs of non-existent queues	String array

`QueueList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueId	Response.QueueList	Queue ID	String
Name	Response.QueueList	Queue name	String

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State	Response.QueueList	Current status: `Active` or `Paused`	String
NotifyConfig	Response.QueueList	Callback configuration	Container
MaxSize	Response.QueueList	Maximum length of the queue	Int
MaxConcurrent	Response.QueueList	Maximum number of concurrent jobs in the current queue	Int
Category	Response.QueueList	Queue type	String
UpdateTime	Response.QueueList	Update time	String
CreateTime	Response.QueueList	Creation time	String

`NotifyConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Url	Response.QueueList.NotifyConfig	Callback address	String
State	Response.QueueList.NotifyConfig	Switch status: `On` or `Off`	String
Type	Response.QueueList.NotifyConfig	Callback type: Url	String
Event	Response.QueueList.NotifyConfig	Job completed: `TaskFinish`; workflow completed: `WorkflowFinish`	String
ResultFormat	Response.QueueList.NotifyConfig	Callback type: `XML` or `JSON`.	String

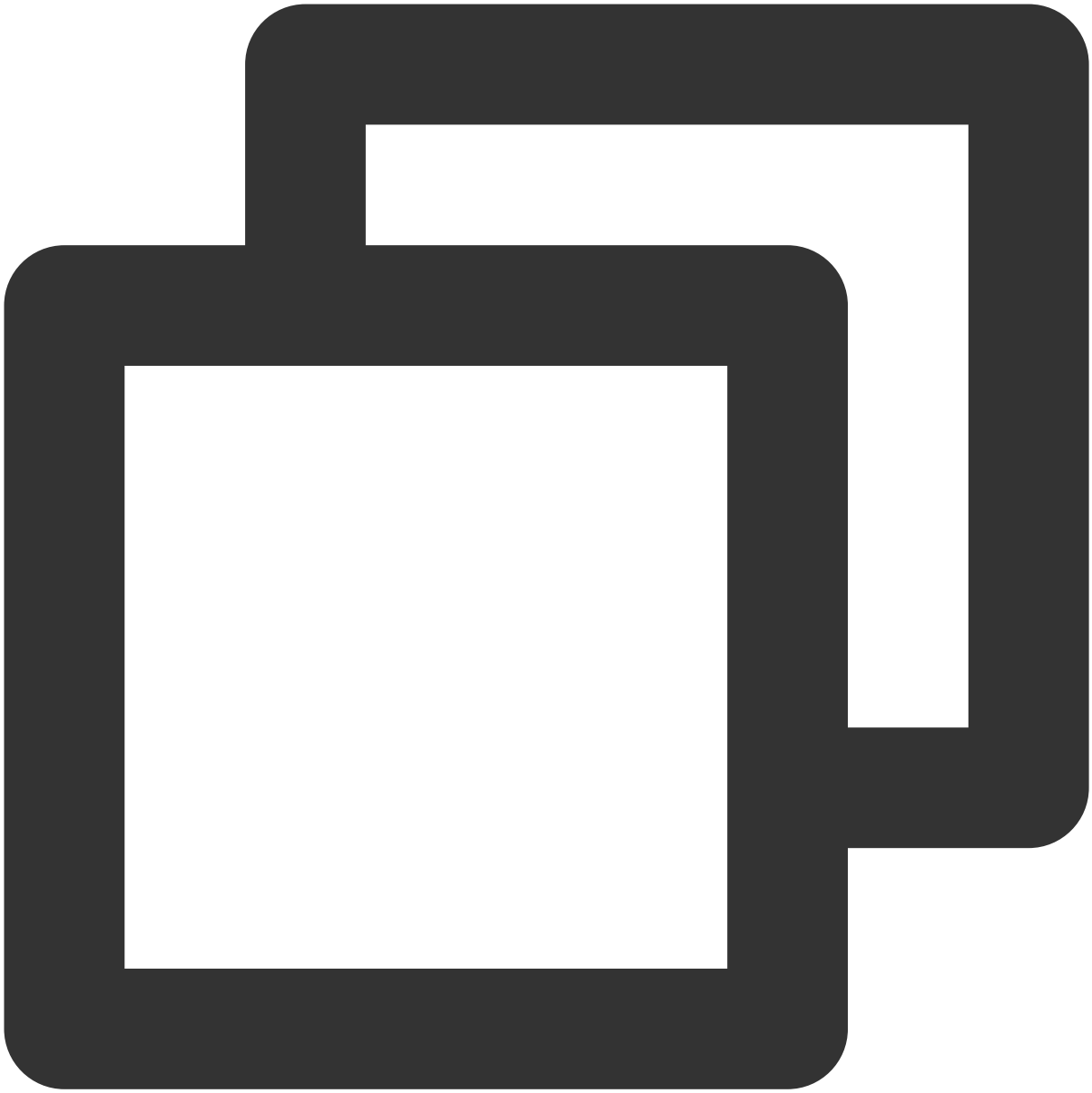
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1: Searching for the specified queue

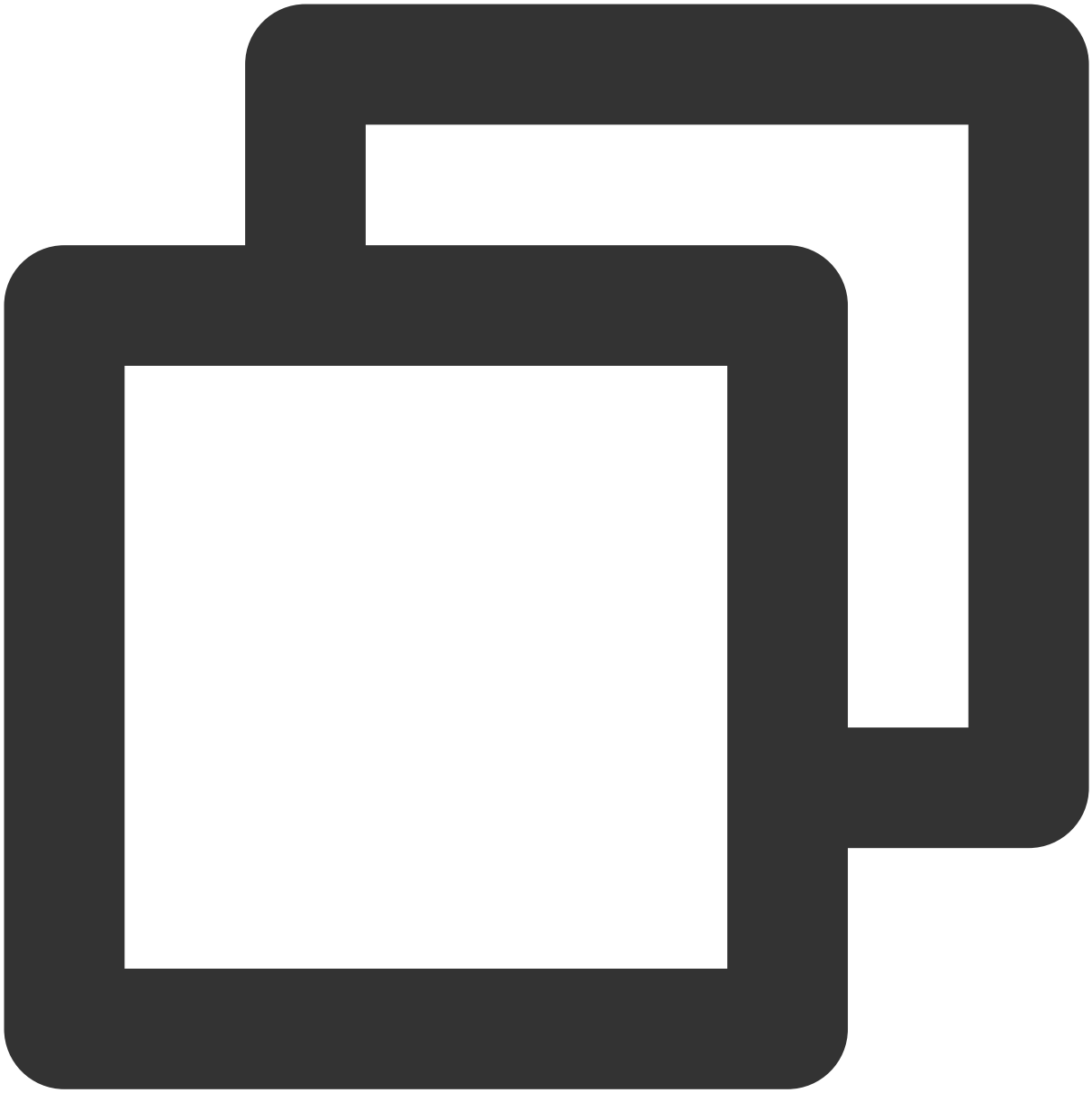
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```
GET /ai_queue?queueIds=p23f69f4779e64b18aa61e70d5416c071,A,B HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response 1

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmMzJjNDFfOTBmYTUwNjRfNjQ5NF8x

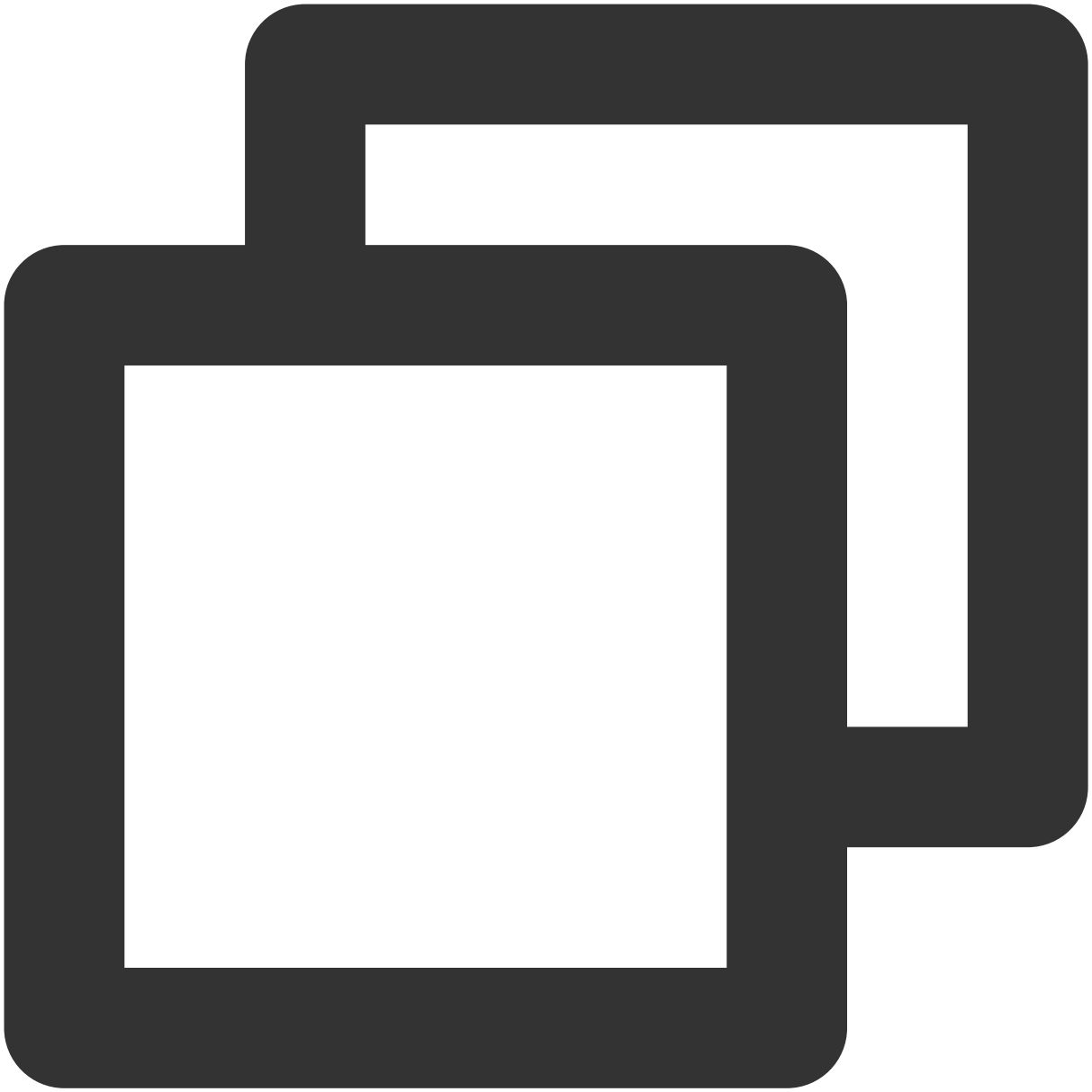
<Response>
    <RequestId>NjJmMzJjNDFfOTBmYTUwNjRfNjQ5NF8x</RequestId>
    <QueueList>
```

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```
        <QueueId>p23f69f4779e64b18aa61e70d5416c071</QueueId>
        <Name>queue-ai-process-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>AIProcess</Category>
    </QueueList>
    <NonExistPIDs>A</NonExistPIDs>
    <NonExistPIDs>B</NonExistPIDs>
</Response>
```

Request 2: Querying the list of queues

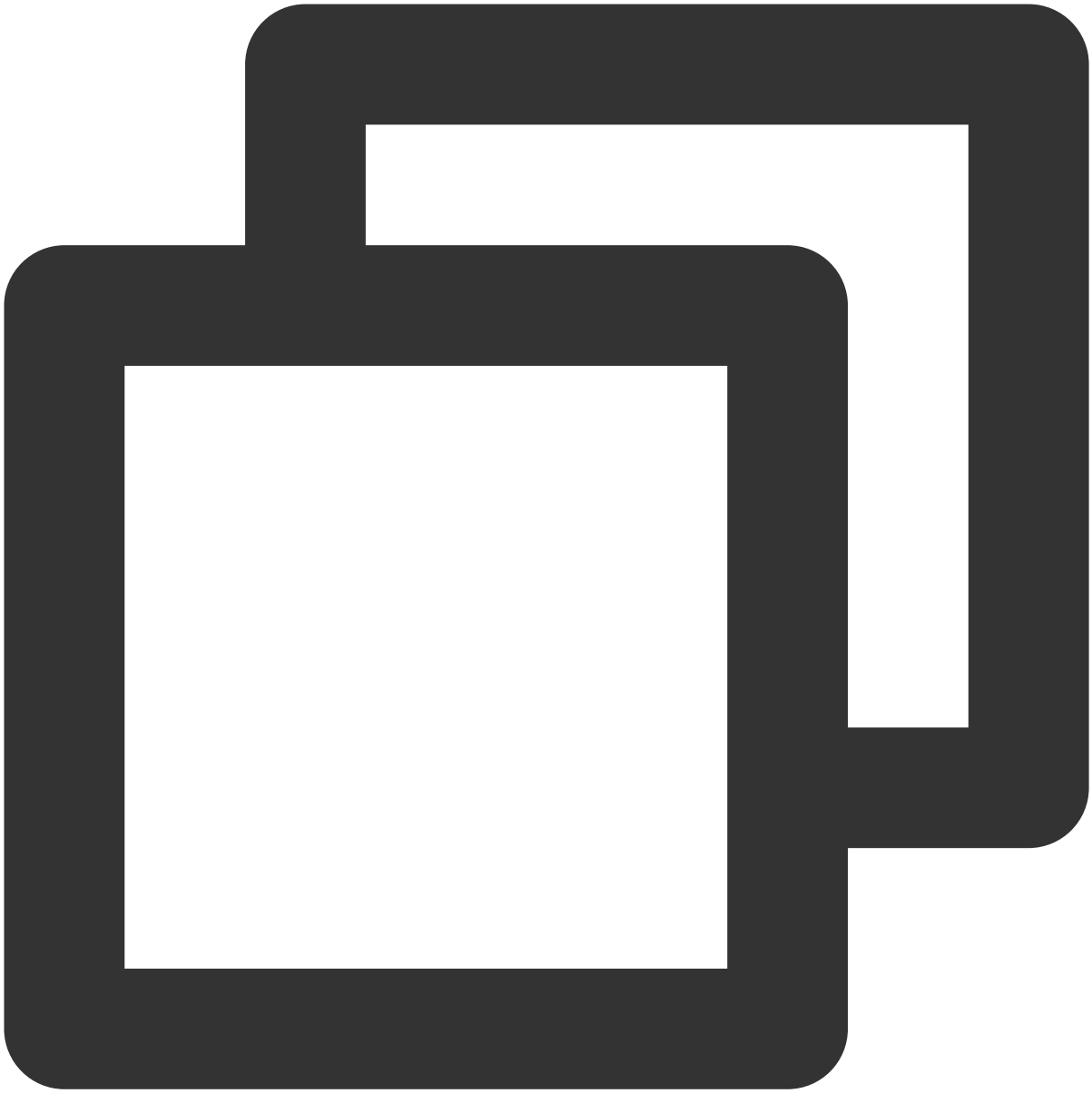
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```
GET /ai_queue?pageSize=10&pageNumber=1&category=CateAll HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response 2

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x

<Response>
    <RequestId>NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x</RequestId>
    <TotalCount>1</TotalCount>
```

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```
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <QueueList>
        <QueueId>p23f69f4779e64b18aa61e70d5416c071</QueueId>
        <Name>queue-ai-process-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>AIProcess</Category>
    </QueueList>
</Response>
```

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Updating Queue

Last updated：2024-02-18 15:49:31

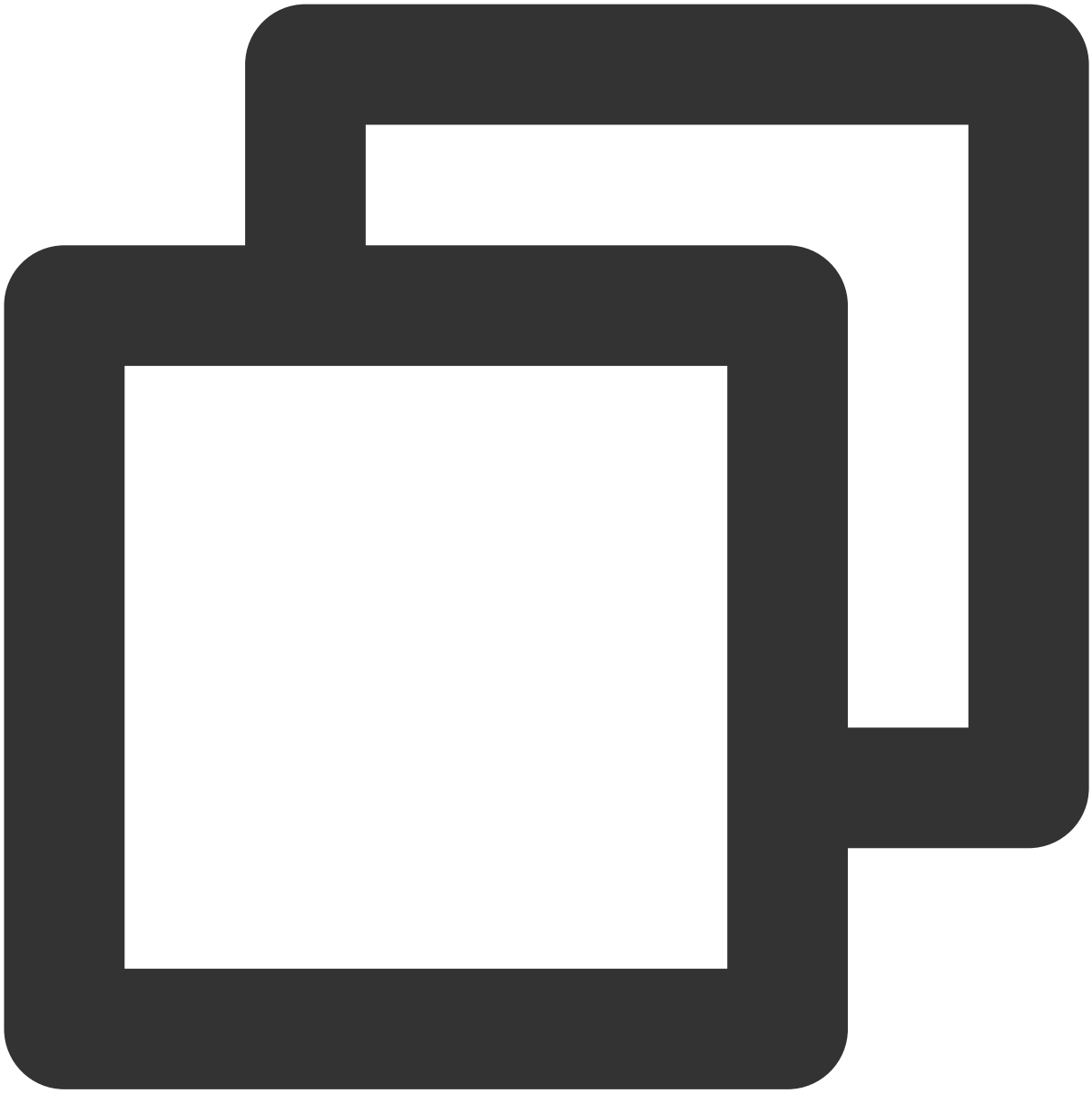
Feature Description

This API is used to update the AI-based content recognition queue.

Request

Sample request

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```
PUT /ai_queue/<queueId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

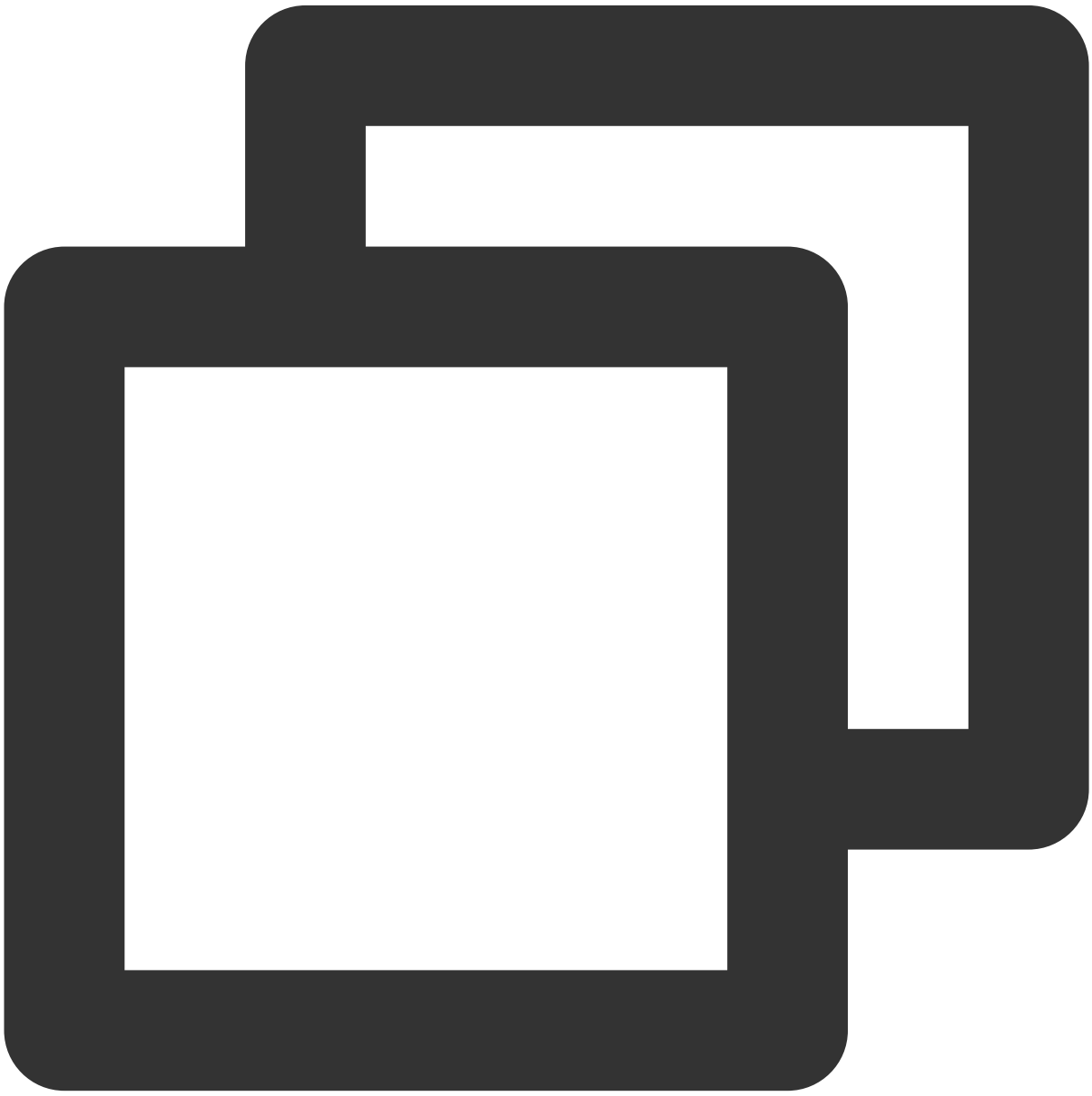
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Name>My-Queue-AI</Name>
    <State>Active</State>
    <NotifyConfig>
        <State>On</State>
        <Url>http://callback.demo.com</Url>
        <Type>Url</Type>
        <Event>TaskFinish,WorkflowFinish</Event>
        <ResultFormat>JSON</ResultFormat>
    </NotifyConfig>
</Request>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Request	None	Response container	Container	Yes	None	None

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Name	Request	Queue name, which can contain up to 128 bytes.	String	Yes	None	None
State	Request	1. Active: Jobs in the queue will be scheduled and executed by the media processing service. 2. `Paused` : The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the `Paused` status, while jobs being executed will not be affected.	String	Yes	None	None
NotifyConfig	Request	Callback configuration	Container	Yes	None	None

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`NotifyConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
State	Request.NotifyConfig	Callback status: `Off` or `On`.	String	No	Off	On/Off
Event	Request.NotifyConfig	Callback event	String	Yes if `State` is `On`	None	Job completion: `TaskFinish`; workflow completio `WorkflowFinis`
ResultFormat	Request.NotifyConfig	Callback format	String	No	XML	JSON/XML
Type	Request.NotifyConfig	Callback type	String	Yes if `State` is `On`	None	`Url` or `TDMQ`
Url	Request.NotifyConfig	Callback address	String	Yes if `State` is `On` and `Type` is `Url`	None	The callback addre cannot be a private network address.
MqMode	Request.NotifyConfig	TDMQ queue mode	String	Yes if `State` is `On` and `Type` is `TDMQ`	Queue	Topic: Topic subscription Queue: Queue serv
MqRegion	Request.NotifyConfig	TDMQ region	String	Yes if `State` is `On` and `Type` is `TDMQ`	None	Valid values: `sh` (Shanghai), `bj` (Beijing), `gz` (Guangzhou), `cd` (Chengdu), `hk` (Hong Kong, China
MqName	Request.NotifyConfig	TDMQ	String	Yes if	None	None

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		topic name		`State` is `On` and `Type` is `TDMQ`		

Response

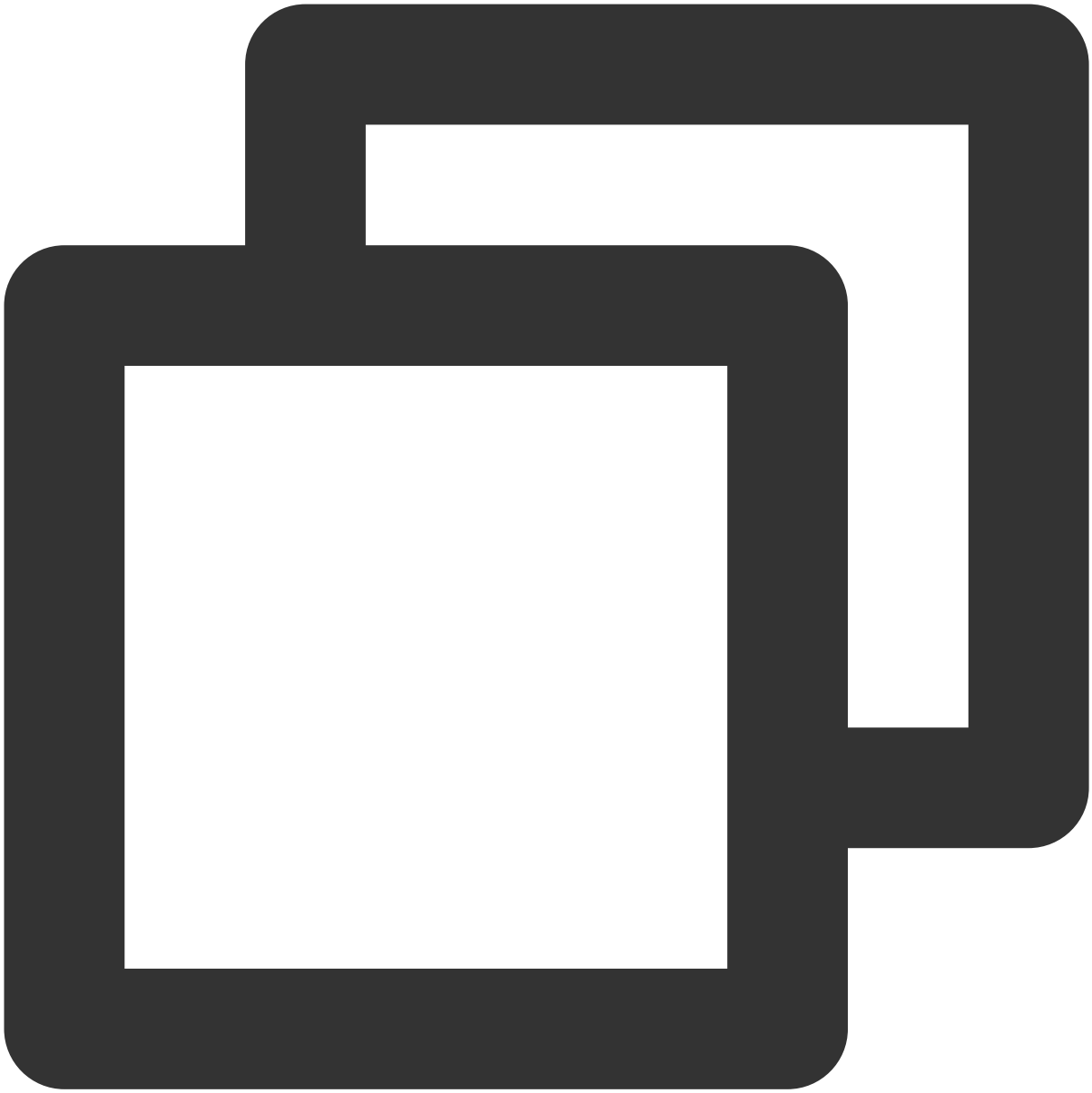
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85</RequestId>
    <Queue>
        <QueueId>p23f69f4779e64b18aa61e70d5416c071</QueueId>
        <Name>My-Queue-AI</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
```

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```
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:13:05+0800</CreateTime>
    </Queue>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
Queue	Response	Queue information	Container

`Queue` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueId	Response.Queue	Queue ID	String
Name	Response.Queue	Queue name	String
State	Response.Queue	Current status: `Active` or `Paused`.	String
NotifyConfig	Response.Queue	Callback configuration, which is the same as `Request.NotifyConfig`.	Container
MaxSize	Response.Queue	Maximum length of the queue	Int
MaxConcurrent	Response.Queue	Maximum number of concurrent jobs in the current queue	Int
Category	Response.Queue	Queue type	String
UpdateTime	Response.Queue	Update time	String
CreateTime	Response.Queue	Creation time	String

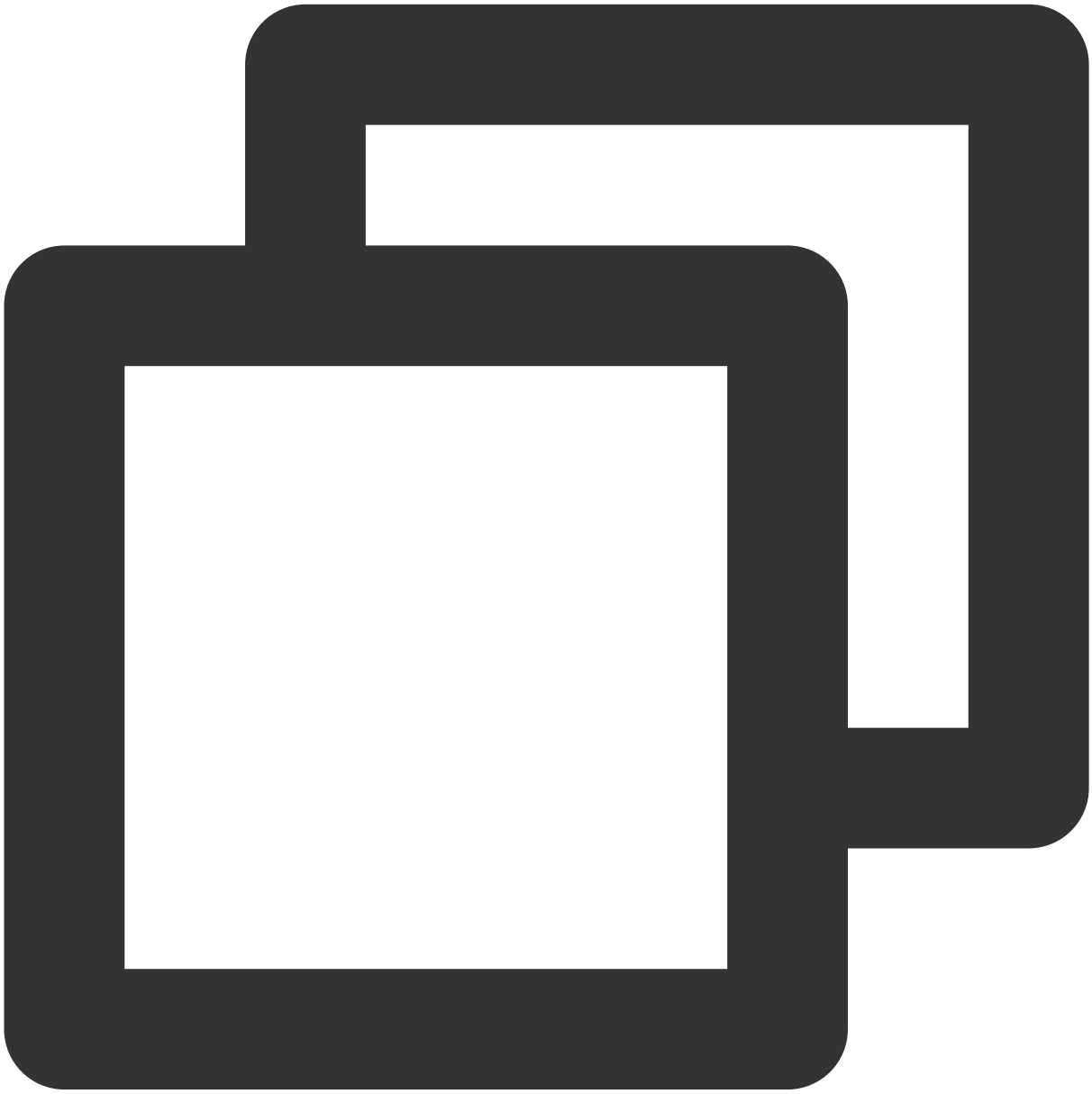
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



```
PUT /ai_queue/p23f69f4779e64b18aa61e70d5416c071 HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

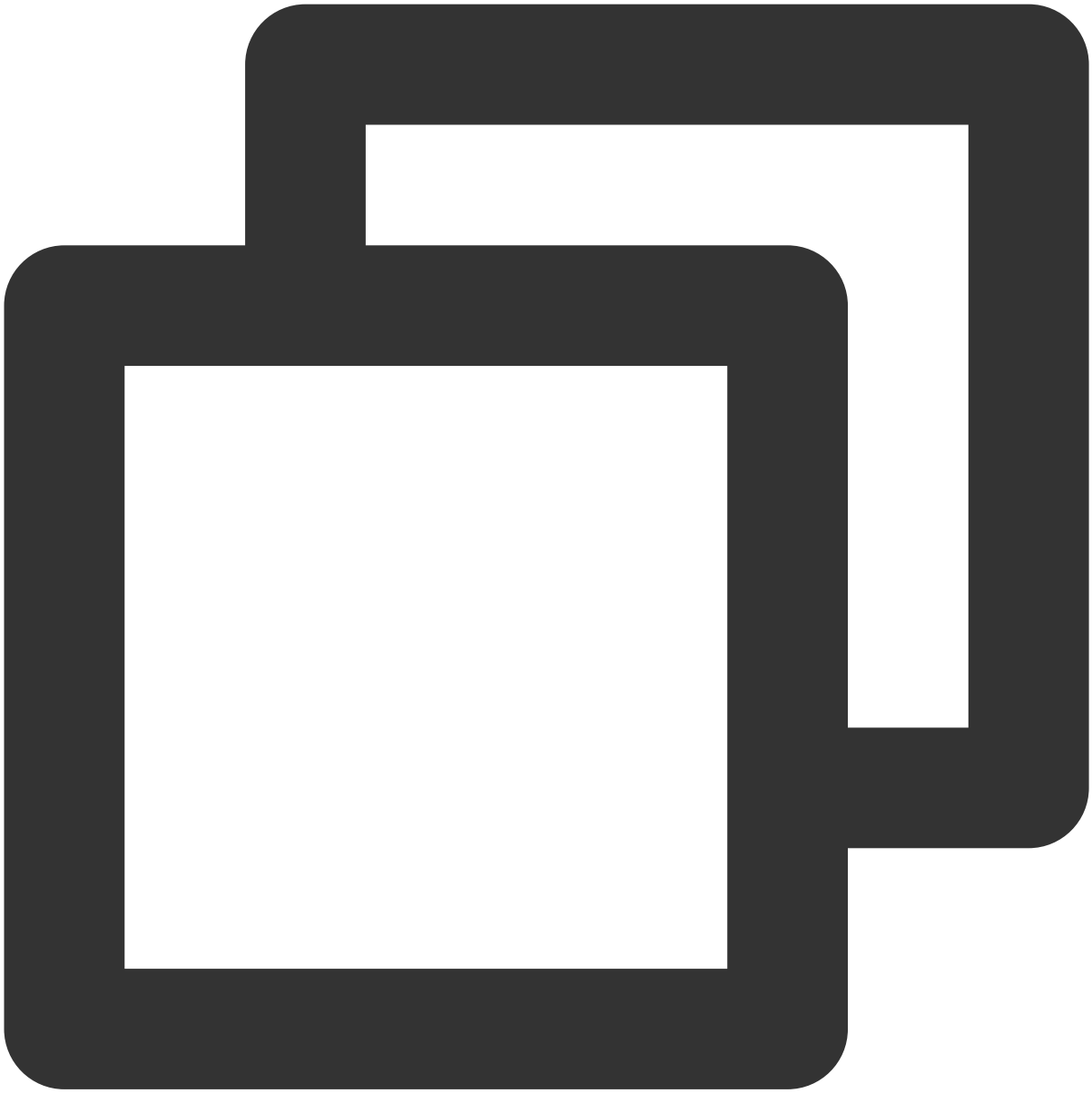
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```
Content-Length: 162
Content-Type: application/xml

<Request>
    <Name>My-Queue-AI</Name>
    <State>Active</State>
    <NotifyConfig>
        <State>On</State>
        <Url>http://callback.demo.com</Url>
        <Type>Url</Type>
        <Event>TaskFinish,WorkflowFinish</Event>
        <ResultFormat>JSON</ResultFormat>
    </NotifyConfig>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85

<Response>
    <RequestId>NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85</RequestId>
    <Queue>
```

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```
        <QueueId>p23f69f4779e64b18aa61e70d5416c071</QueueId>
        <Name>My-Queue-AI</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:13:05+0800</CreateTime>
    </Queue>
</Response>
```

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Service Configuration
Enabling AI-Based Content Recognition

Last updated：2024-02-18 15:49:30

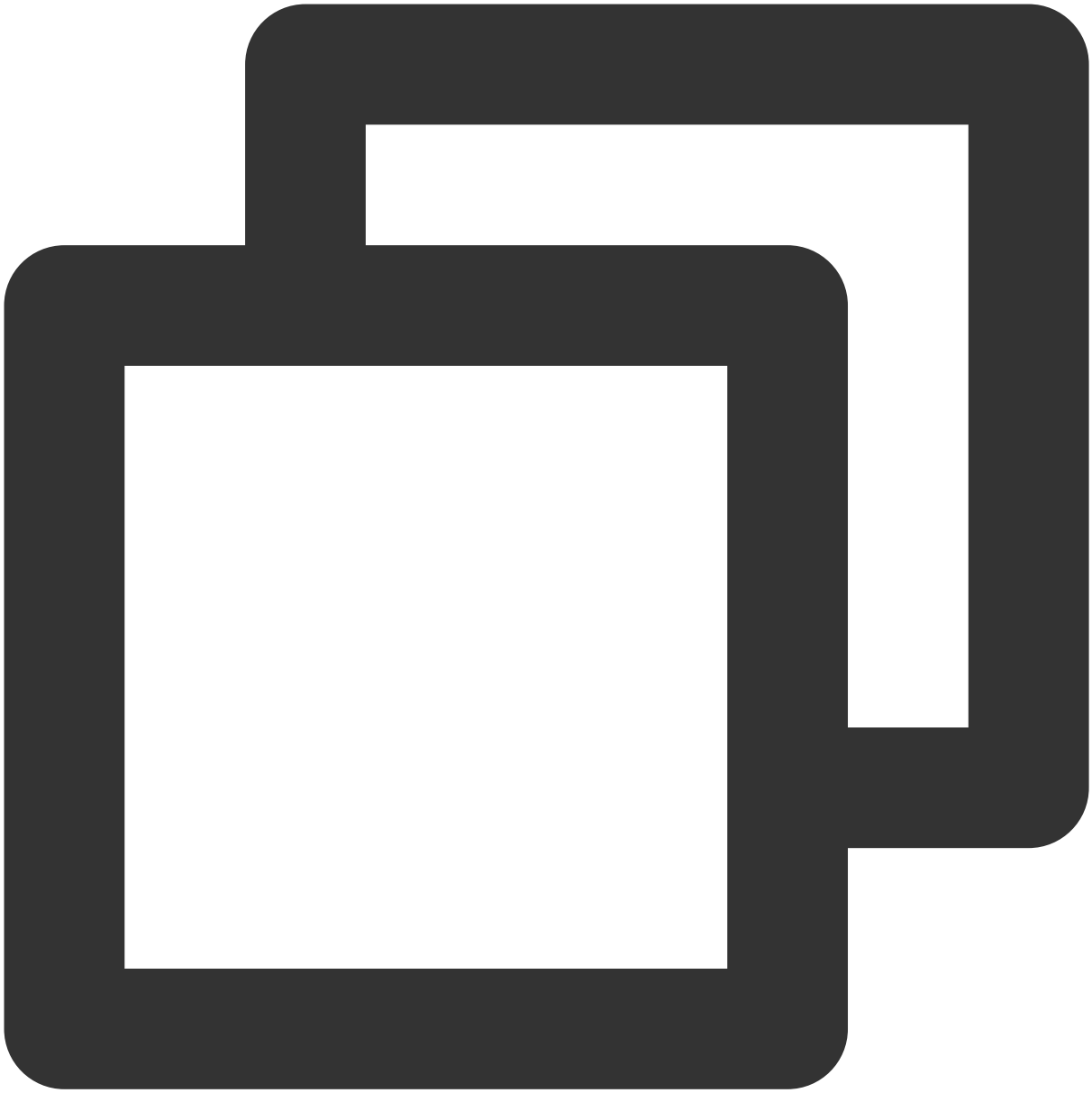
Feature Description

This API is used to activate the AI-based content recognition service and generate a queue.

Request

Sample request

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```
POST /ai_bucket HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

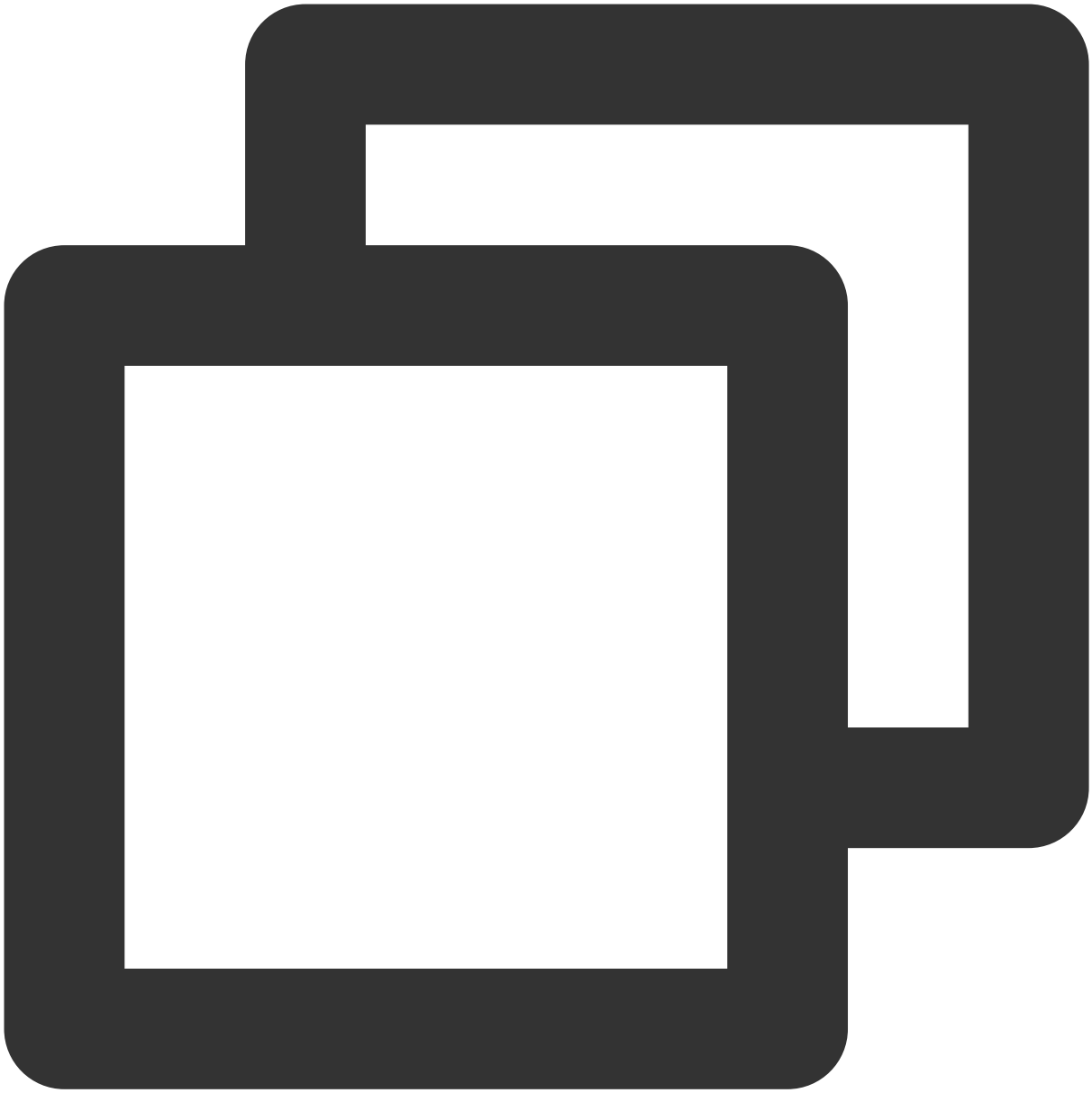
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmMzRlZGZfOTBmYTUwNjRfNzI0MV8x</RequestId>
    <AiBucket>
        <BucketId>test-1234567890</BucketId>
        <Name>test-1234567890</Name>
        <Region>ap-chongqing</Region>
        <CreateTime2022-08-09T16:23:11+0800></CreateTime>
    </AiBucket>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
AiBucket	Response	Bucket information	Container

`AiBucket` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
BucketId	Response.AiBucket	Bucket ID.	String
Name	Response.AiBucket	Bucket name, which is the same as `BucketId` .	String
Region	Response.AiBucket	Region.	String
CreateTime	Response.AiBucket	Creation time.	String

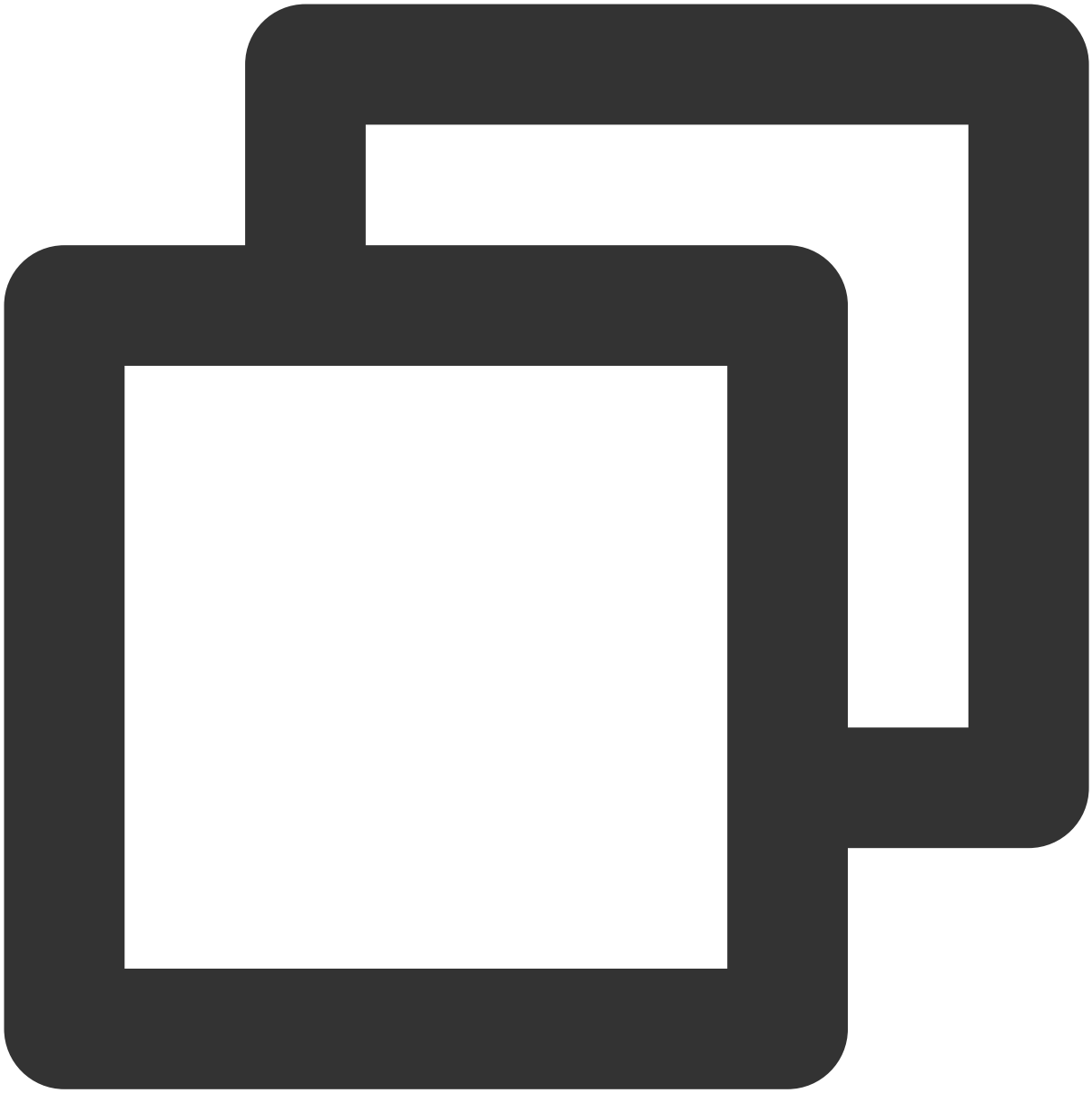
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

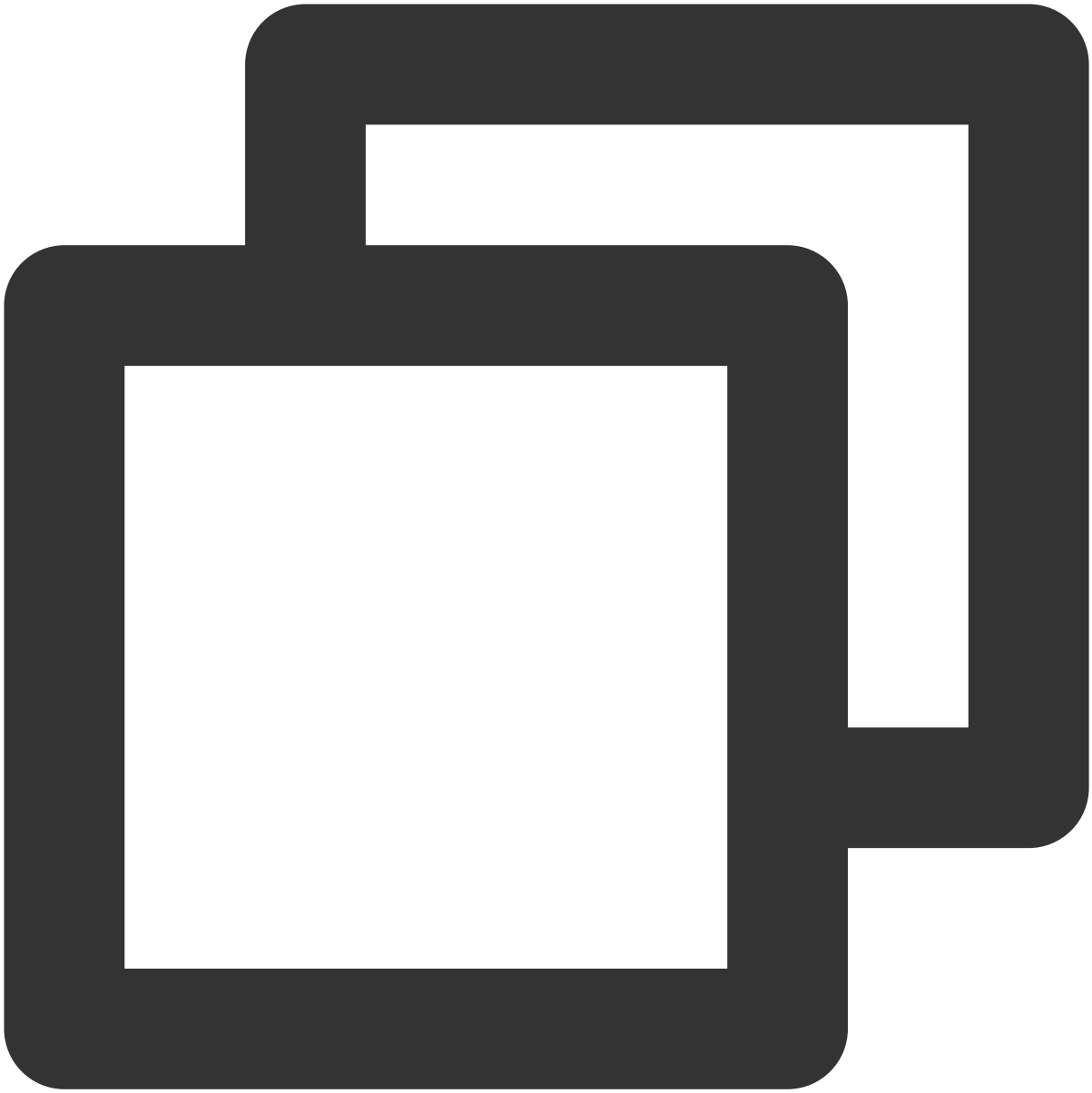
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```
POST /ai_bucket HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmMzRlZGZfOTBmYTUwNjRfNzI0MV8x

<Response>
    <RequestId>NjJmMzRlZGZfOTBmYTUwNjRfNzI0MV8x</RequestId>
    <AiBucket>
```

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```
        <BucketId>test-1234567890</BucketId>
        <Name>test-1234567890</Name>
        <Region>ap-chongqing</Region>
        <CreateTime2022-08-09T16:23:11+0800></CreateTime>
    </AiBucket>
</Response>
```

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Querying AI-Based Content Recognition

Last updated：2024-02-18 15:49:31

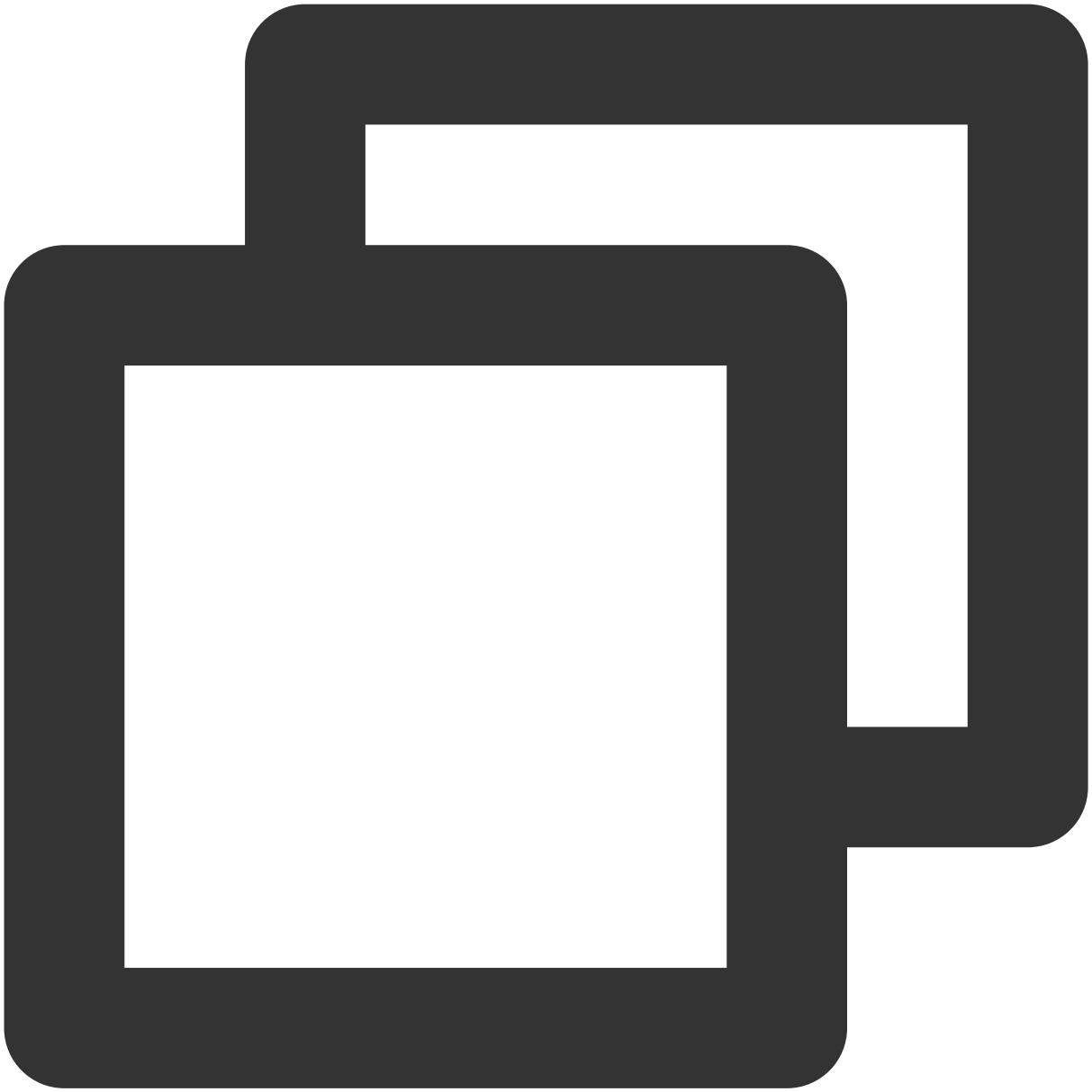
Feature Description

This API is used to query the status of the AI-based content recognition service.

Request

Sample request

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```
GET /ai_bucket HTTP/1.1
Host: ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter	Description	Type	Required
regions	Region information, such as `ap-shanghai` and `ap-beijing`. To specify multiple regions, separate them by comma. For more information, see Regions and Domain Names.	string	No
bucketNames	Bucket name. To specify multiple bucket names, separate them by comma. Exact search is supported.	string	No
bucketName	Bucket name prefix for prefix search.	string	No
pageNumber	Page number. Default value: `1`.	String	No
pageSize	Number of entries per page. Default value: `10`.	String	No

Response

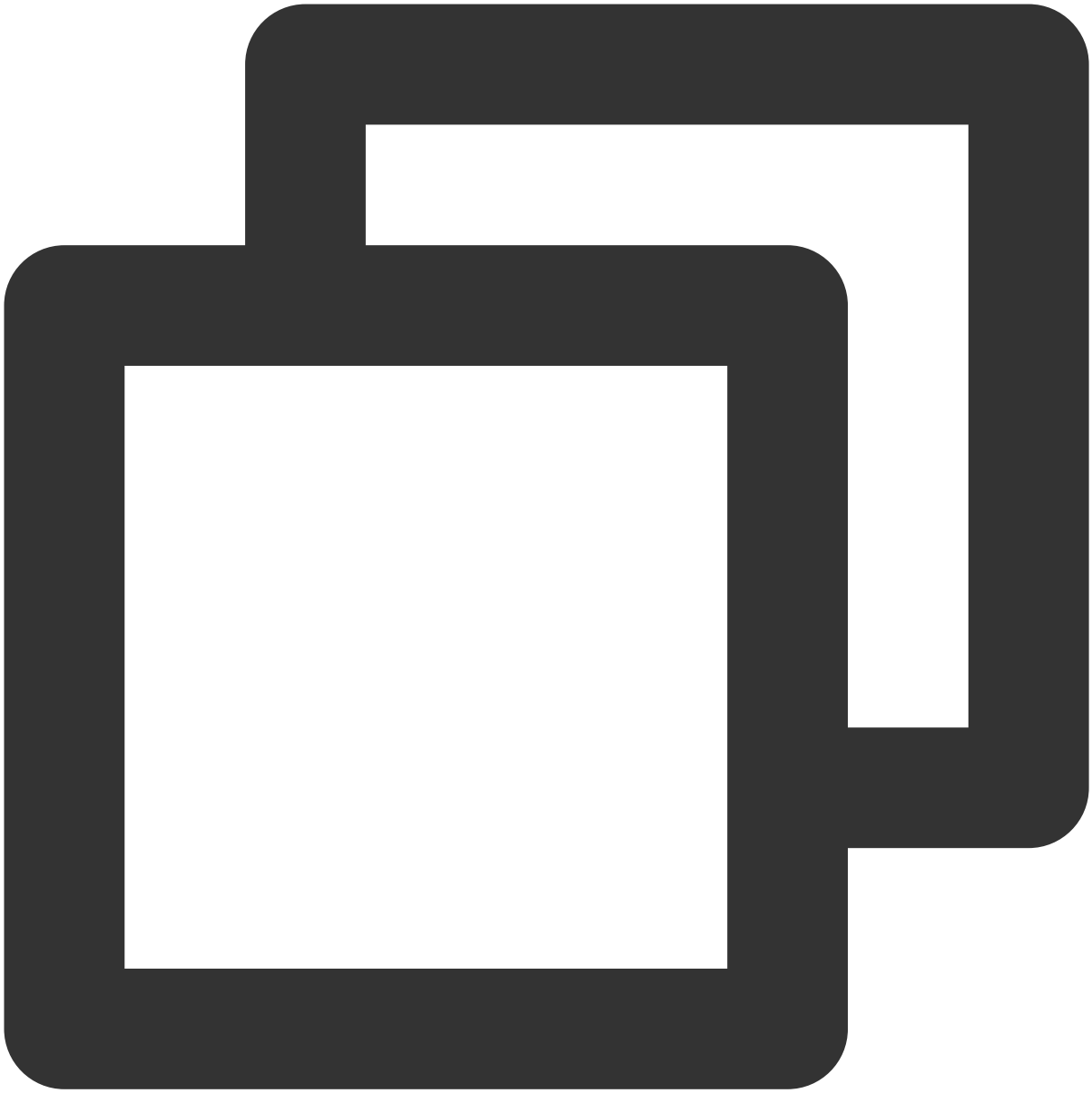
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmMzY1Y2NfOTBmYTUwNjRfNTA5YV8y</RequestId>
    <TotalCount>2</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>5</PageSize>
    <AiBucketList>
        <BucketId>test-1234567890</BucketId>
        <Name>test-1234567890</Name>
        <Region>ap-chongqing</Region>
        <CreateTime2022-08-08T16:23:11+0800></CreateTime>
    </AiBucketList>
```

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```
    <AiBucketList>
        <BucketId>test-1-1234567890</BucketId>
        <Name>test-1-1234567890</Name>
        <Region>ap-chongqing</Region>
        <CreateTime2022-08-09T16:23:11+0800></CreateTime>
    </AiBucketList>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of media buckets.	Int
PageNumber	Response	Current page number, which is the same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
AiBucketList	Response	Media bucket list.	Container

`AiBucketList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
BucketId	Response.AiBucketList	Bucket ID.	String
Name	Response.AiBucketList	Bucket name, which is the same as `BucketId` .	String
Region	Response.AiBucketList	Region.	String
CreateTime	Response.AiBucketList	Creation time.	String

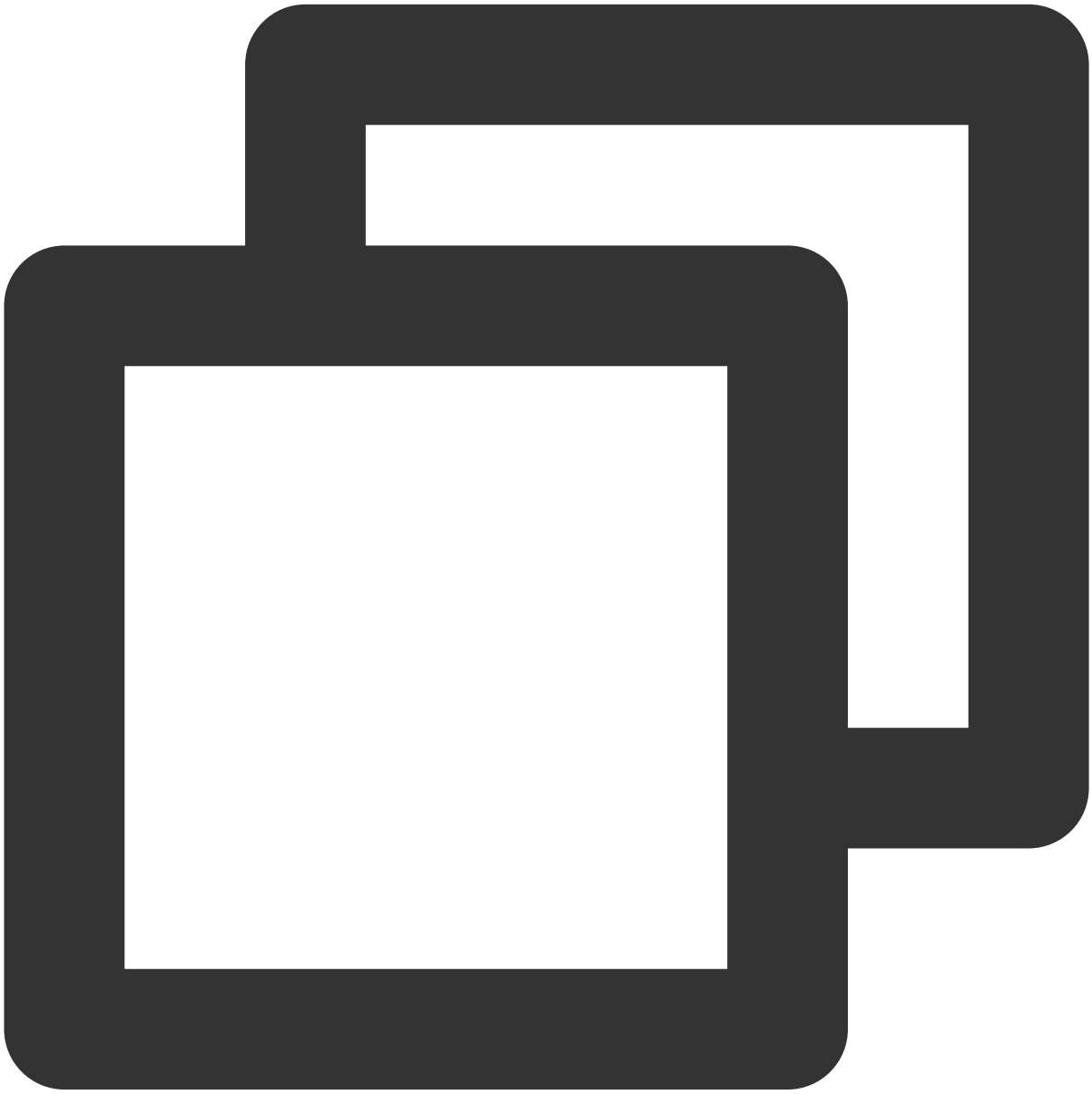
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

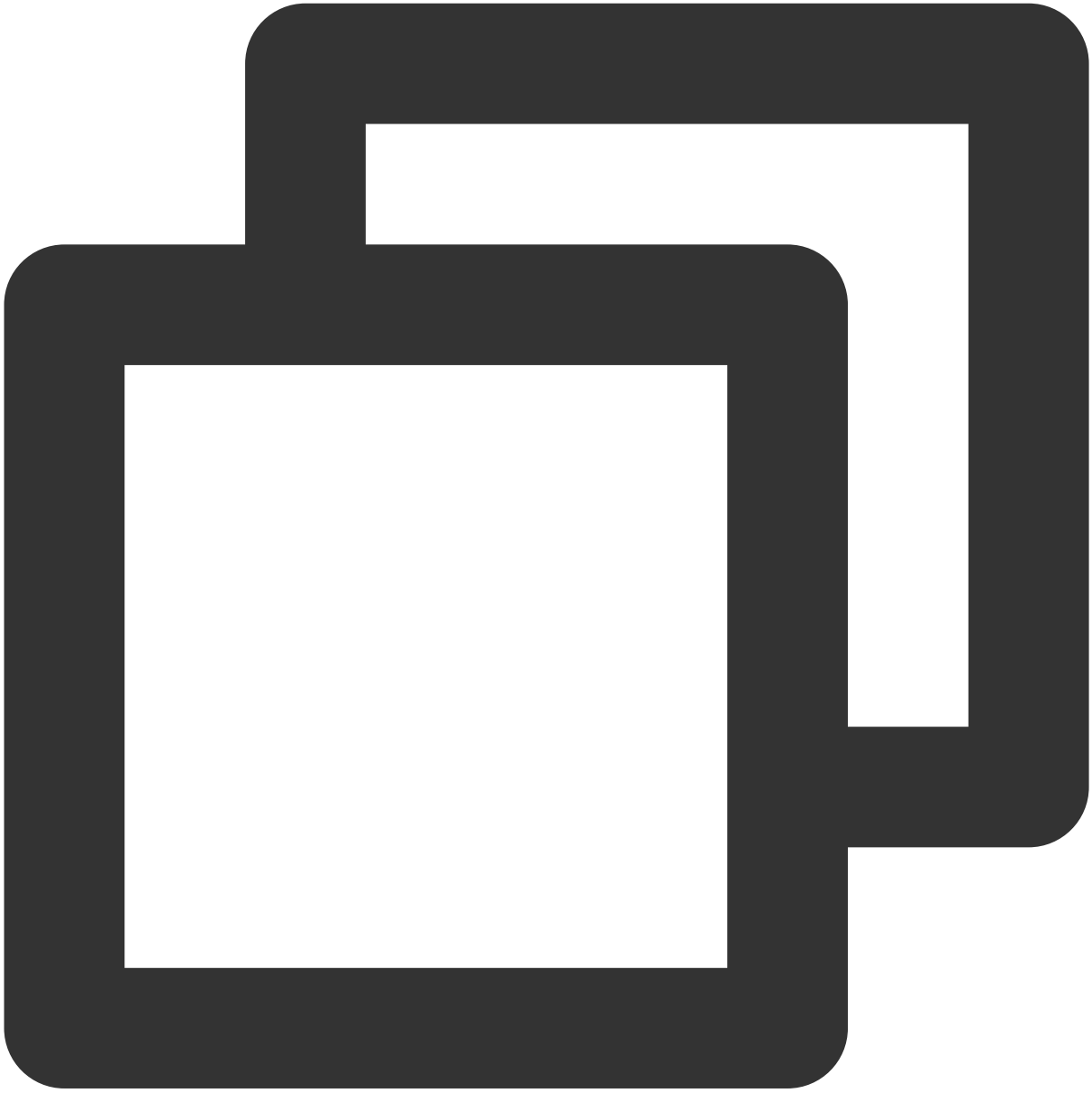


```
GET /ai_bucket?regions=ap-chongqing&pageSize=5&bucketName=t HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

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```
Content-Length: 0
Content-Type: application/xml
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
```

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```
Server: tencent-ci
x-ci-request-id: NjJmMzY1Y2NfOTBmYTUwNjRfNTA5YV8y

<Response>
    <RequestId>NjJmMzY1Y2NfOTBmYTUwNjRfNTA5YV8y</RequestId>
    <TotalCount>2</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>5</PageSize>
    <AiBucketList>
        <BucketId>test-1234567890</BucketId>
        <Name>test-1234567890</Name>
        <Region>ap-chongqing</Region>
        <CreateTime2022-08-08T16:23:11+0800></CreateTime>
    </AiBucketList>
    <AiBucketList>
        <BucketId>test-1-1234567890</BucketId>
        <Name>test-1-1234567890</Name>
        <Region>ap-chongqing</Region>
        <CreateTime2022-08-09T16:23:11+0800></CreateTime>
    </AiBucketList>
</Response>
```

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Smart Audio
Smart Audio API List

Last updated：2024-02-18 17:02:09

Job APIs

Job is an abstract concept. Smart voice has many types of jobs, such as text to speech and audio noise cancellation. A job contains three key pieces of information: input, output, and parameters. Input and output control the input file when the job is executed and the target file after the job is executed, and parameters control the detailed configurations for executing specific features.

Workflow APIs

A workflow in smart voice refers to the process of automatically processing the specified uploaded file by configuring multiple job operations. For more information on calls, see Workflow APIs.

Batch Operation APIs

A batch operation is to execute a single job or automatically perform operations configured in a workflow on the specified existing file. For more information on calls, see Triggering Batch Data Processing Job.

Features		Job API
Smart voice	Audio noise cancellation	Submitting Audio Noise Cancellation Job
	Voice/Sound separation	Submitting Voice/Sound Separation Job
	Text to speech	Submitting Text-to-Speech Job
	Speech recognition	Submitting Speech Recognition Job

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Speech Bucket APIs
Querying Speech Recognition Activation Status

Last updated：2024-02-18 17:02:09

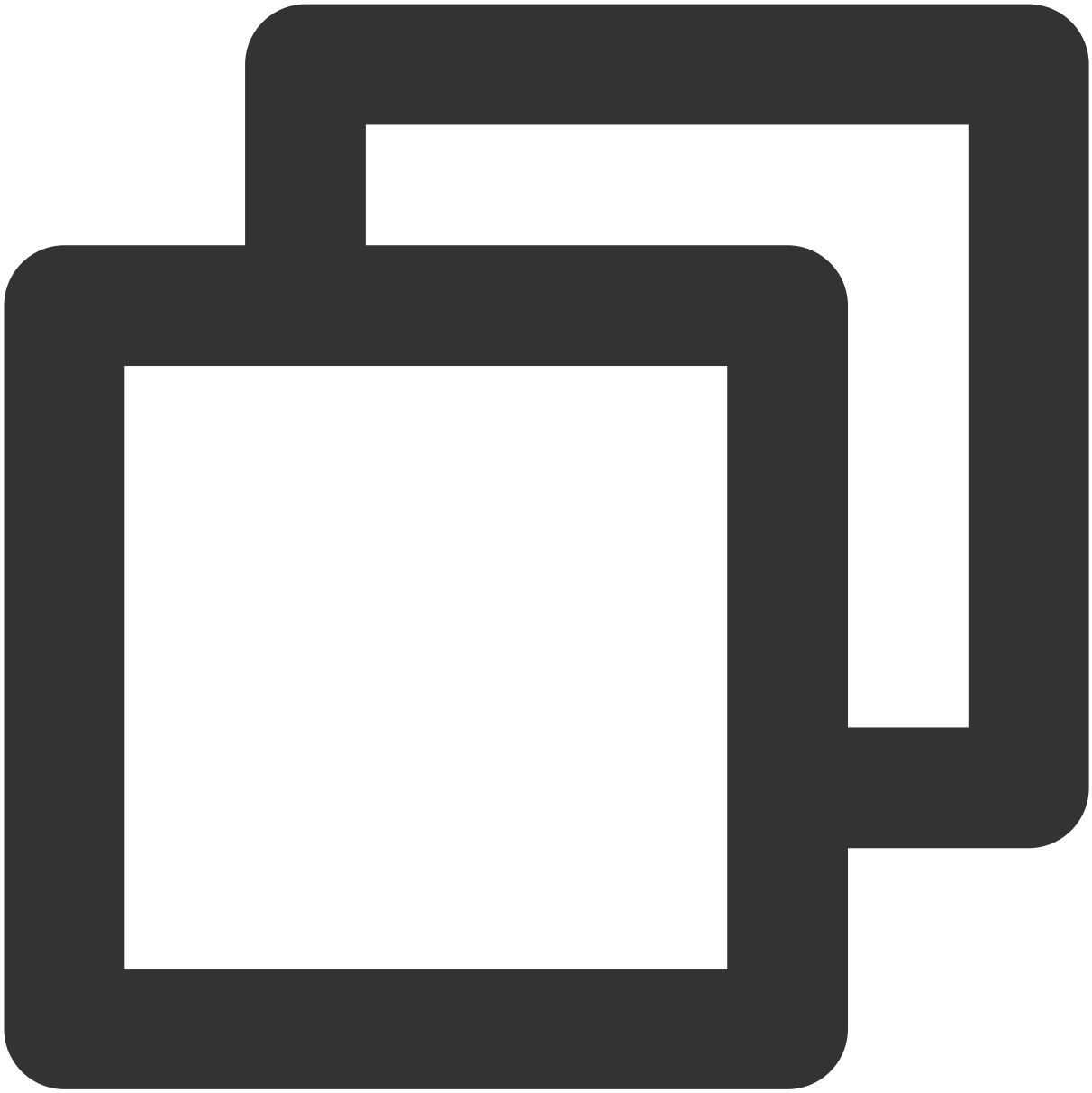
Feature Description

This API (`DescribeSpeechBuckets`) is used to query whether the speech recognition feature is enabled for a bucket.

Request

Sample request

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```
GET /asrbucket HTTP/1.1
Host: ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity .

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Name	Type	Description	Required
regions	string	Region. To specify multiple regions, separate them by comma. Valid values: All, ap-shanghai, ap-beijing.	No
bucketNames	string	Bucket name. To specify multiple bucket names, separate them by comma. Exact search is supported.	No
bucketName	string	Bucket name prefix for prefix search.	No
pageNumber	string	Page number	No
pageSize	string	Number of entries per page	No

Response

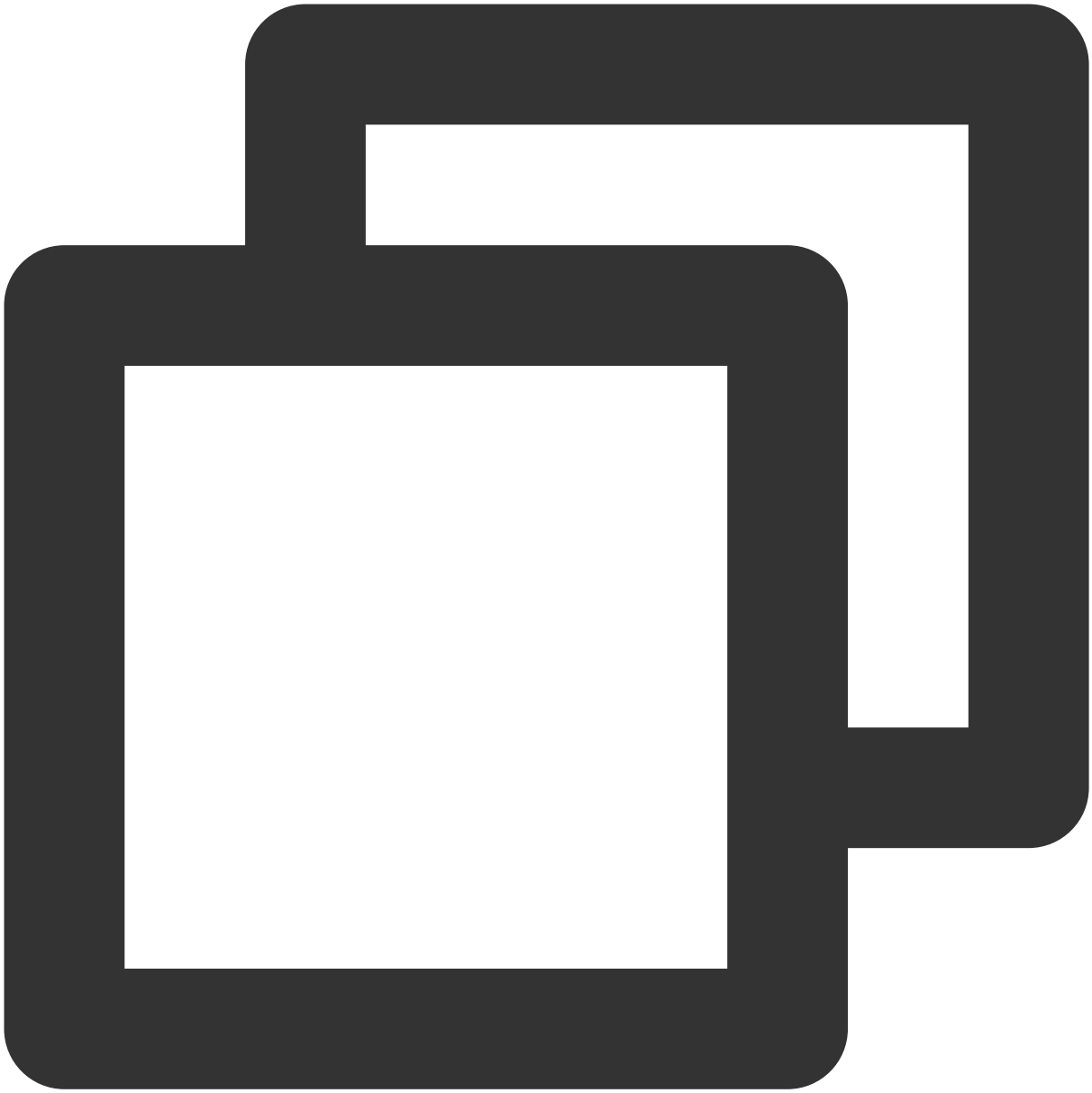
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TotalCount>1</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <AsrBucketList>
        <BucketId></BucketId>
        <Region></Region>
        <CreateTime></CreateTime>
    </AsrBucketList>
</Response>
```

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The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of media buckets.	Int
PageNumber	Response	Current page number. Same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page. Same as `pageSize` in the request.	Int
AsrBucketList	Response	Speech bucket list	Container

`AsrBucketList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
BucketId	Response.AsrBucketList	Bucket ID.	String
Name	Response.AsrBucketList	Bucket name. Same as `BucketId`.	String
Region	Response.AsrBucketList	Bucket region.	String
CreateTime	Response.AsrBucketList	Creation time.	String

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Media Processing
Media Processing API List

Last updated：2024-02-18 17:02:09

Job APIs

Job is an abstract concept. Media processing includes many types of jobs, such as transcoding, screenshot, and media information query.
A job contains three key pieces of information: input, output, and parameters. Input and output control the input file when the job is executed and the target file after the job is executed, and parameters control the detailed configurations for executing specific features.
A job can be either sync or async:
Sync job: Jobs can be submitted synchronously for execution.
Async job: Jobs are queued in the media processing queue in order of submission and priority.

Feature		Job API
Basic processing	Audio/Video transcoding	Submitting Audio/Video Transcoding Job
	Top speed codec transcoding	Submitting Top Speed Codec Transcoding Job
	Video-to-animated image conversion	Submitting Video-to-Animated Image Conversion Job
	Video frame capturing	Submitting Video Frame Capturing Job
	Audio/Video remuxing	Submitting Remuxing Job
	Audio/Video splicing	Submitting Video Splicing Job
	Media information query	Submitting Media Information Query Job
	Image quality enhancement (including functions such as hyper-differentiation rate, interpolation, color enhancement, etc.)	Submitting Image quality enhancement Job
	Video quality scoring	Submitting Video Quality Scoring Job
Copyright protection	Digital watermark	Submitting Digital Watermark Adding Job

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Smart editing	Video tagging	Submitting Video Tagging Job
	Video montage	Submitting Video Montage Job
	Intelligent thumbnail	Submitting Intelligent Thumbnail Job
Smart voice	Audio noise cancellation	Submitting Audio Noise Cancellation Job
	Voice/Sound separation	Submitting Voice/Sound Separation Job
	Text to speech	Submitting Text-to-Speech Job
	Speech recognition	Submitting Speech Recognition Job
Sync jobs	Video frame capturing	Getting Media File Screenshot
	Media information query	Getting Media File Information
	Private M3U8	GetPrivateM3U8

Template APIs

For media processing features such as audio/video transcoding, audio/video splicing, video frame capturing, and video-to-animated image conversion, you need to specify a template when creating a **job** or **workflow** in CI. The template page provides preset templates, and you can also customize templates based on your business needs. For more information on media processing templates, see Media Processing.

Workflow APIs

A workflow in media processing refers to the process of automatically processing the specified uploaded file by configuring multiple job operations. For more information on calls, see Workflow APIs.

Batch Operation APIs

A batch operation is to execute a single job or automatically perform operations configured in a workflow on the specified existing file. For more information on calls, see Batch Job APIs.

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Media Processing Service Configuration APIs
Querying Media Processing Service

Last updated：2024-02-18 17:02:09

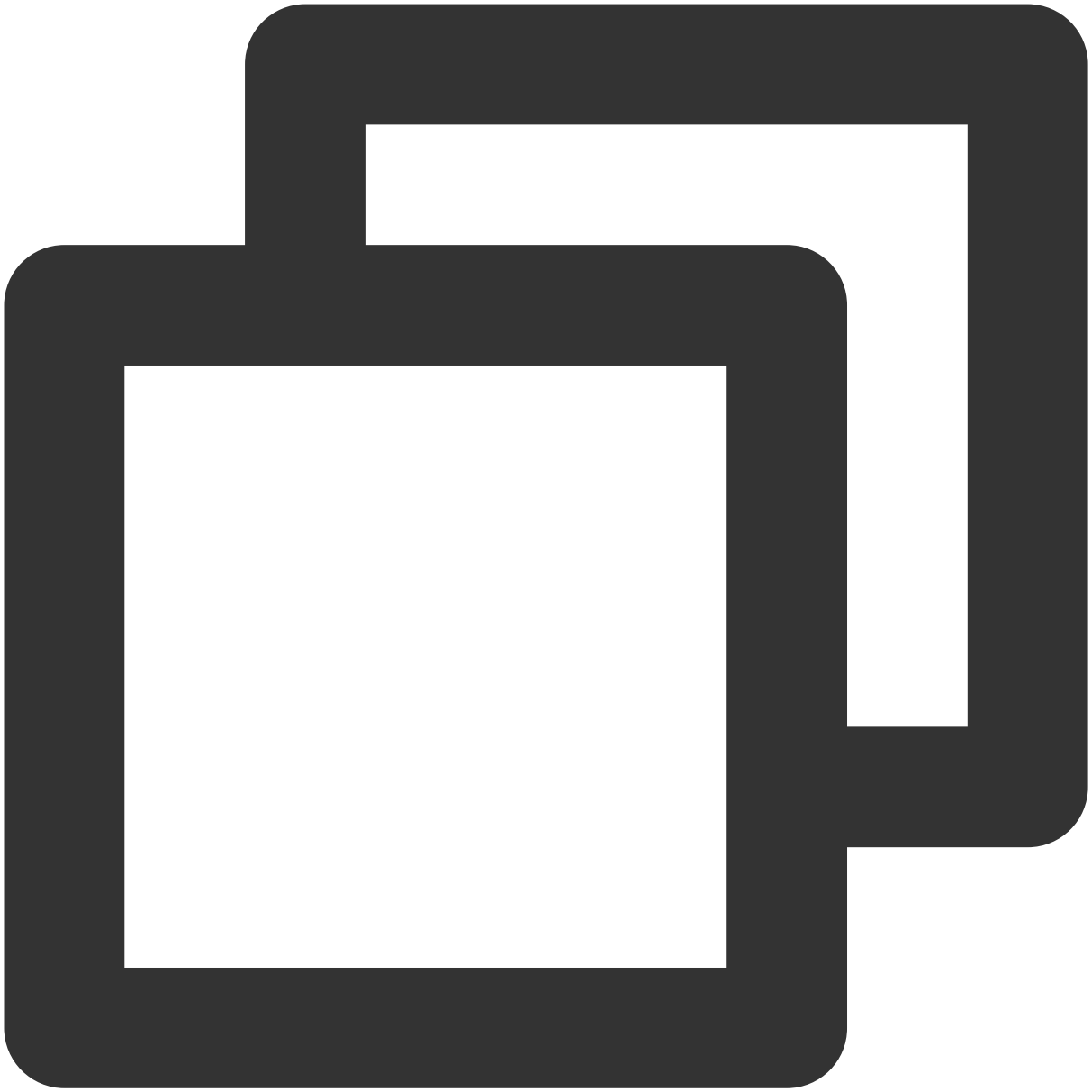
Feature Description

This API (`DescribeMediaBuckets`) is used to query buckets with media processing enabled.

Request

Sample request

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```
GET /mediabucket HTTP/1.1
Host: ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter	Description	Type	Required
regions	Region information, such as `ap-shanghai` and `ap-beijing`. To specify multiple regions, separate them by comma. For more information, see Regions and Domain Names.	string	No
bucketNames	Bucket name. To specify multiple bucket names, separate them by comma. Exact search is supported.	string	No
bucketName	Bucket name prefix for prefix search.	string	No
pageNumber	Page number.	string	No
pageSize	Number of entries per page.	string	No

Response

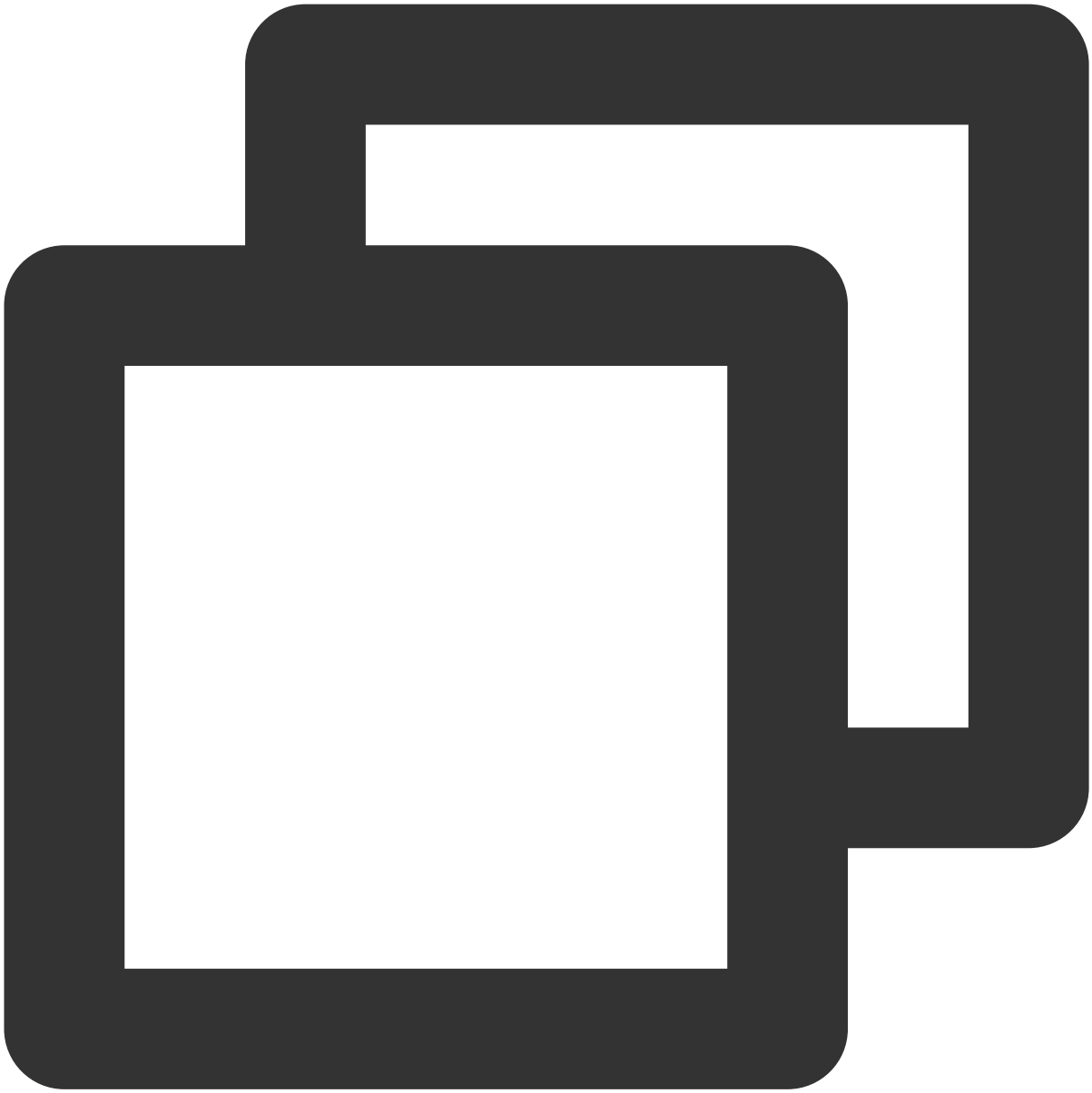
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TotalCount>1</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <MediaBucketList>
        <BucketId></BucketId>
        <Region></Region>
        <CreateTime></CreateTime>
    </MediaBucketList>
</Response>
```

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The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of media buckets.	Int
PageNumber	Response	Current page number, which is the same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
MediaBucketList	Response	Media bucket list.	Container

`MediaBucketList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
BucketId	Response.MediaBucketList	Bucket ID.	String
Name	Response.MediaBucketList	Bucket name, which is the same as `BucketId`.	String
Region	Response.MediaBucketList	Bucket region.	String
CreateTime	Response.MediaBucketList	Creation time.	String

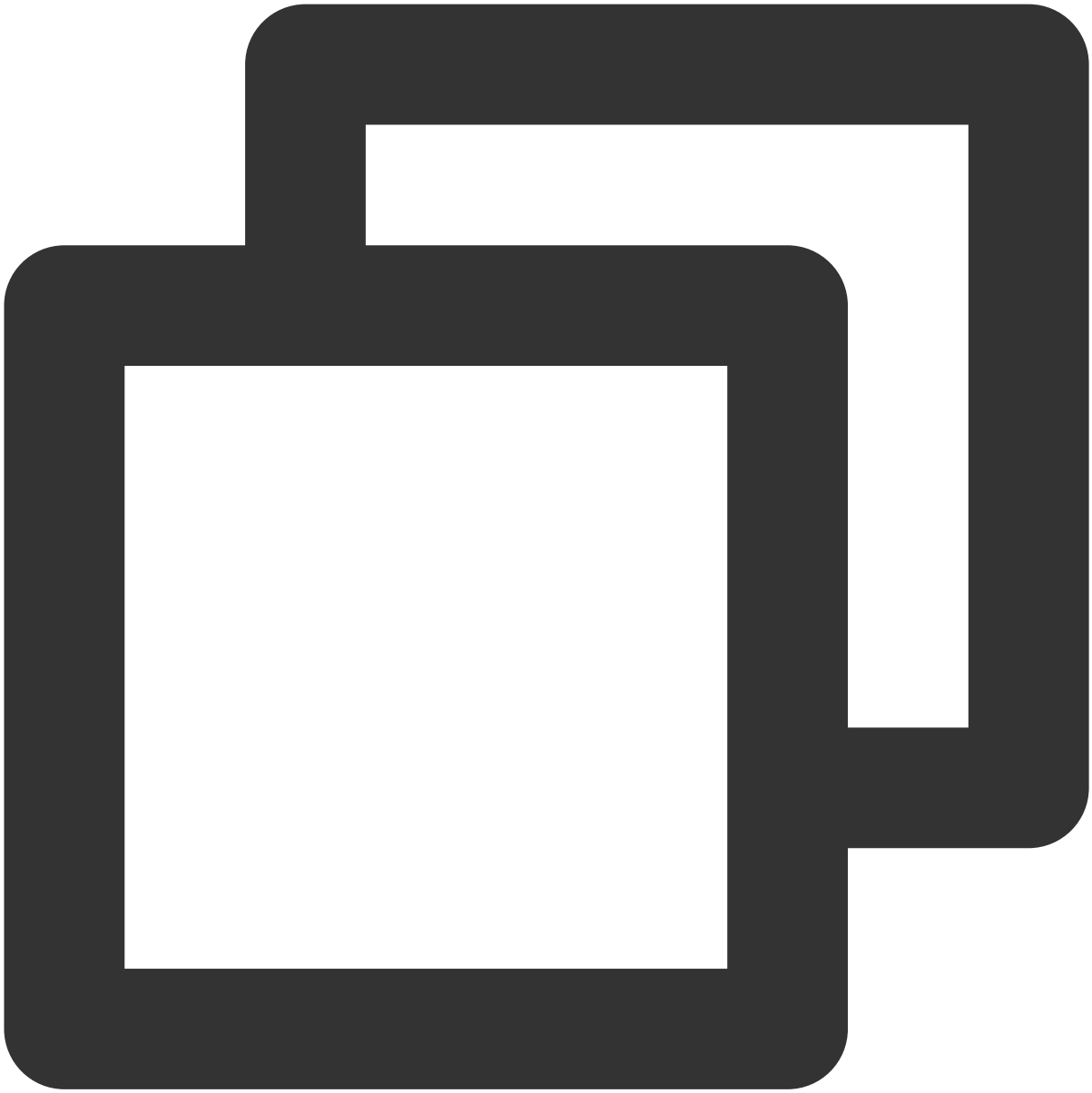
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

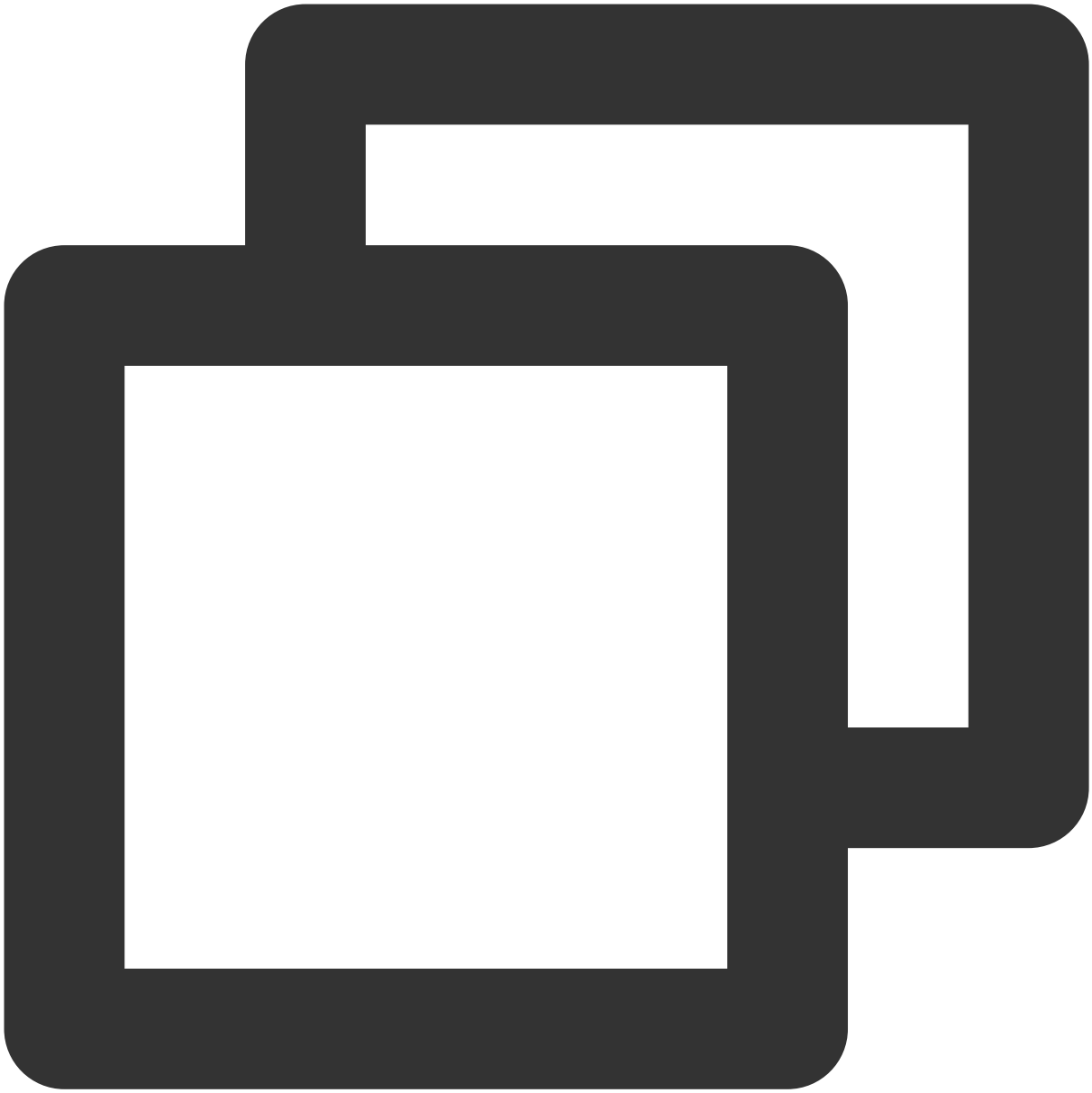
©2013-2022 Tencent Cloud. All rights reserved.



```
GET /mediabucket HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host: ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****



<Response>
```

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```
        <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
        <TotalCount>1</TotalCount>
        <PageNumber>1</PageNumber>
        <PageSize>10</PageSize>
        <MediaBucketList>
              <BucketId></BucketId>
              <Region></Region>
              <CreateTime></CreateTime>
        </MediaBucketList>
        <MediaBucketList>
              <BucketId></BucketId>
              <Region></Region>
              <CreateTime></CreateTime>
        </MediaBucketList>
</Response>
```

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Binding Media Processing Service

Last updated：2024-02-18 17:02:09

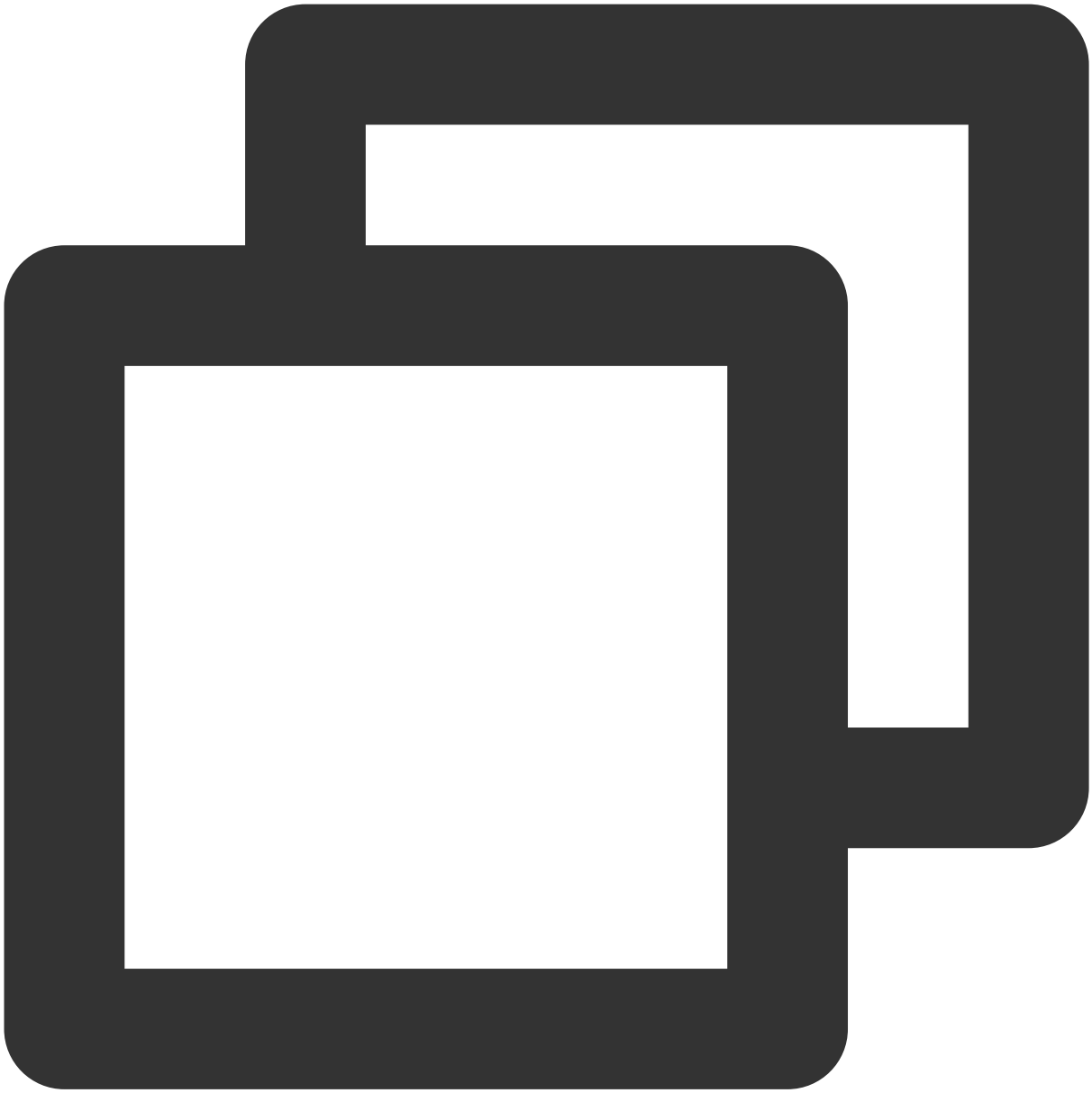
Feature Description

This API (`CreateMediaBucket`) is used to bind a media bucket (i.e., authorizing the media processing service role to access the bucket).

Request

Sample request

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```
POST /mediabucket HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

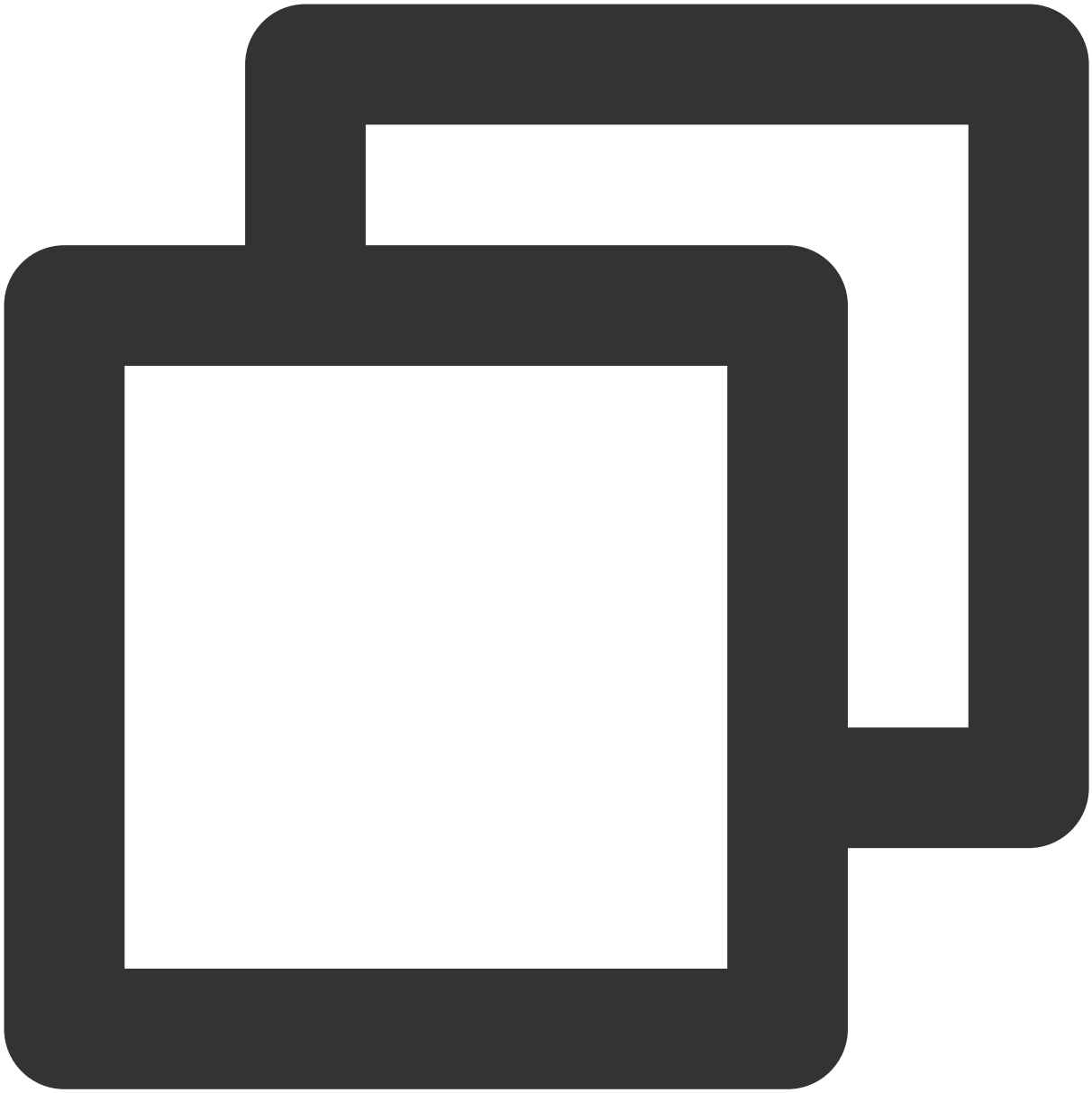
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <MediaBucket>
        <BucketId></BucketId>
        <Region></Region>
        <CreateTime></CreateTime>
    </MediaBucket>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
MediaBucket	Response	Media bucket details, which are the same as `Response.MediaBucketList` in DescribeMediaBuckets.	Container

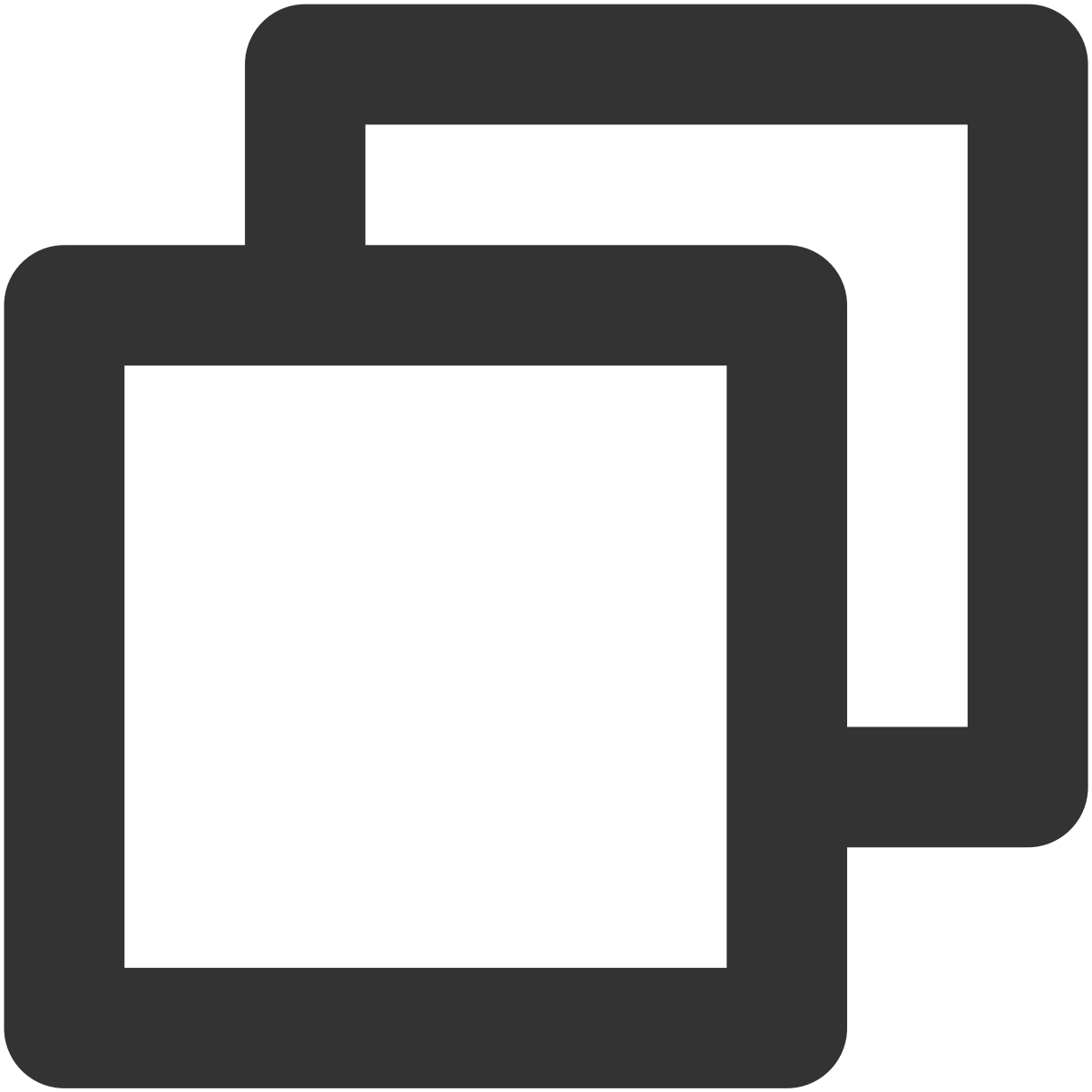
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

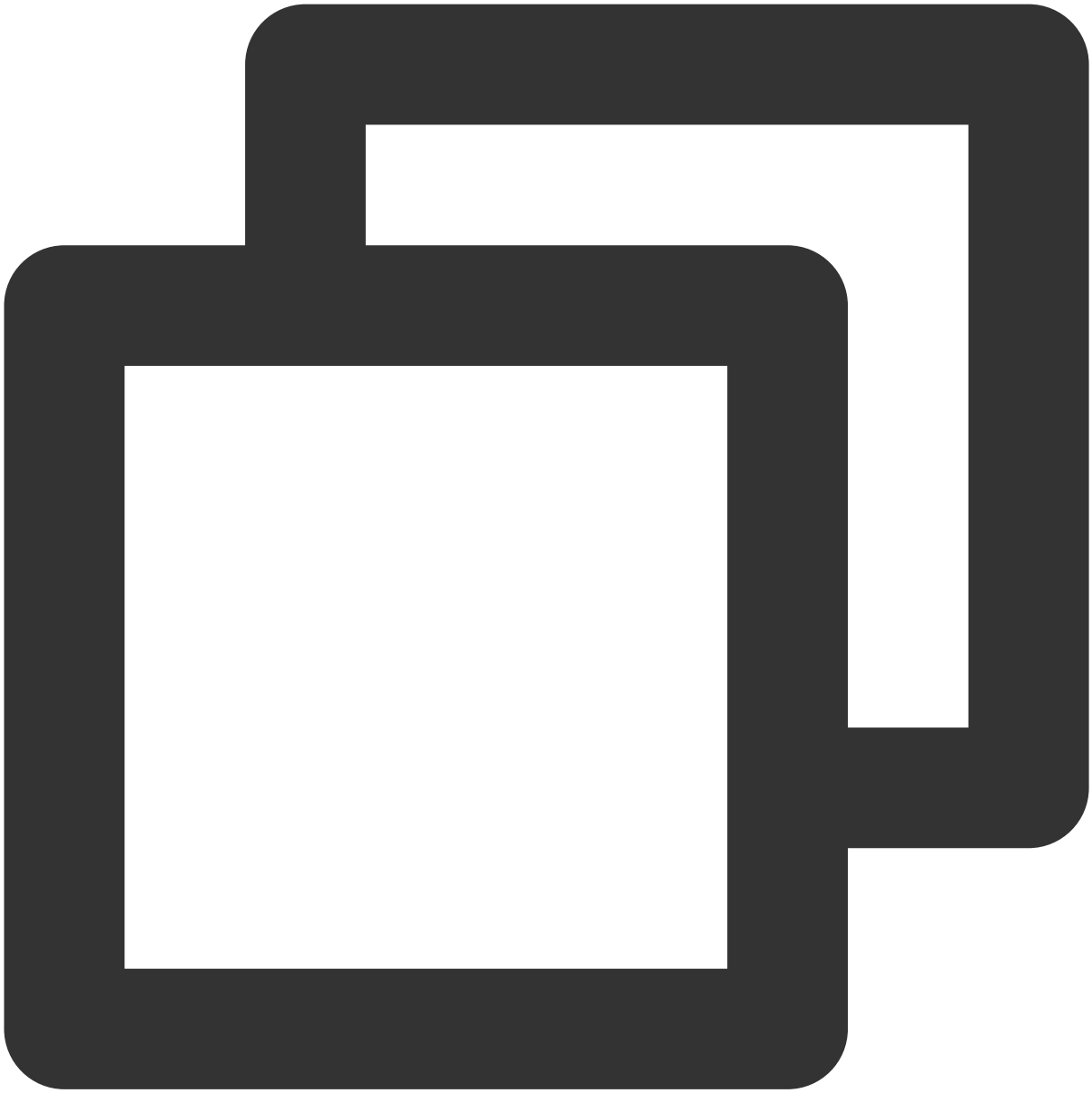
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```
POST /mediabucket HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <MediaBucket>
```

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```
        <BucketId>examplebucket-1250000000</BucketId>
        <Region>ap-beijing</Region>
        <CreateTime>2019-11-15T12:12:12+0800</CreateTime>
    </MediaBucket>
</Response>
```

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Unbinding Media Processing Service

Last updated：2024-02-18 17:02:09

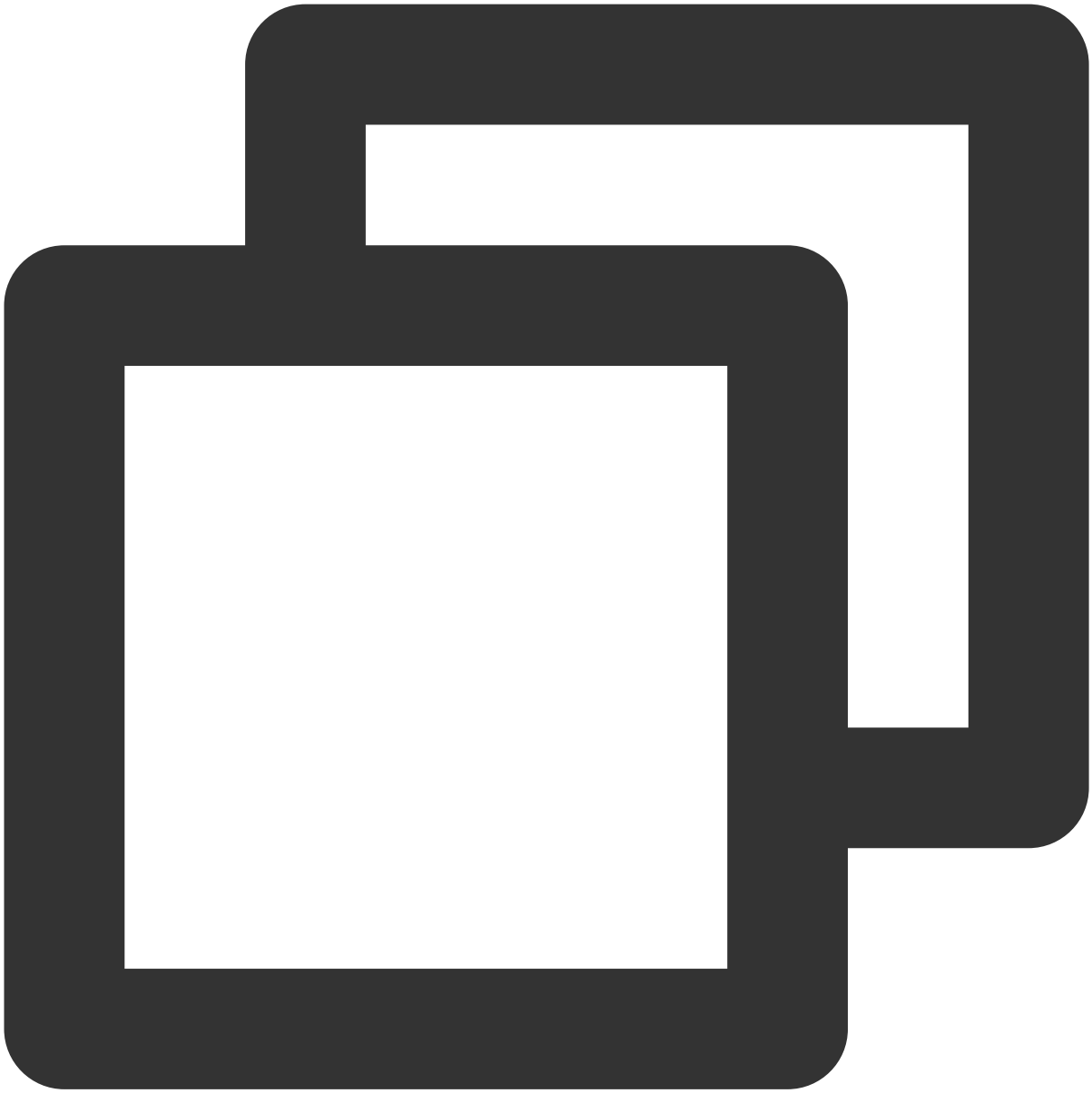
Feature Description

This API (`DELETEMediaBucket`) is used to unbind a media bucket (objects in the bucket will not be deleted).

Request

Sample request

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```
DELETE /mediabucket HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

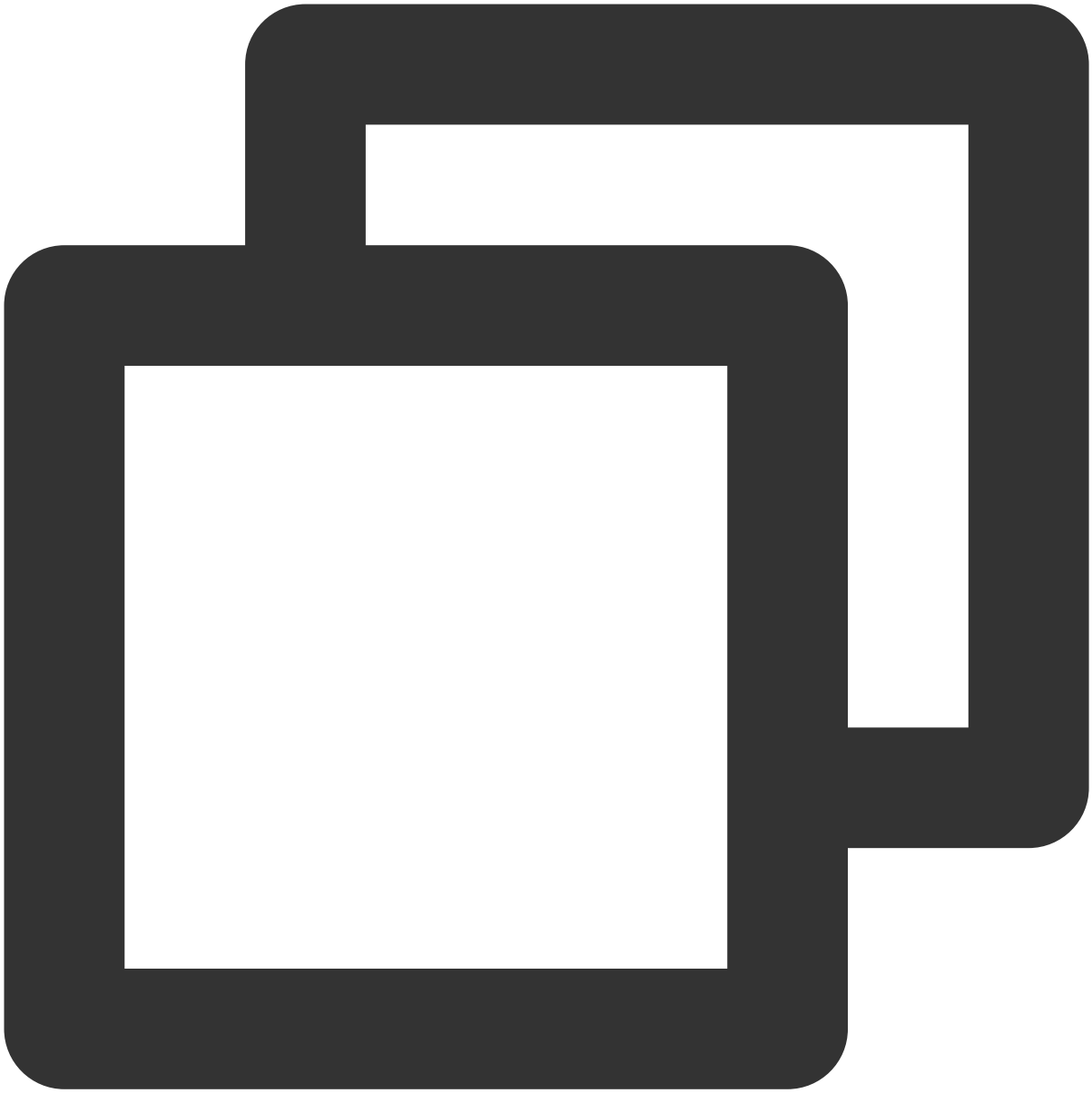
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
</Response>
```

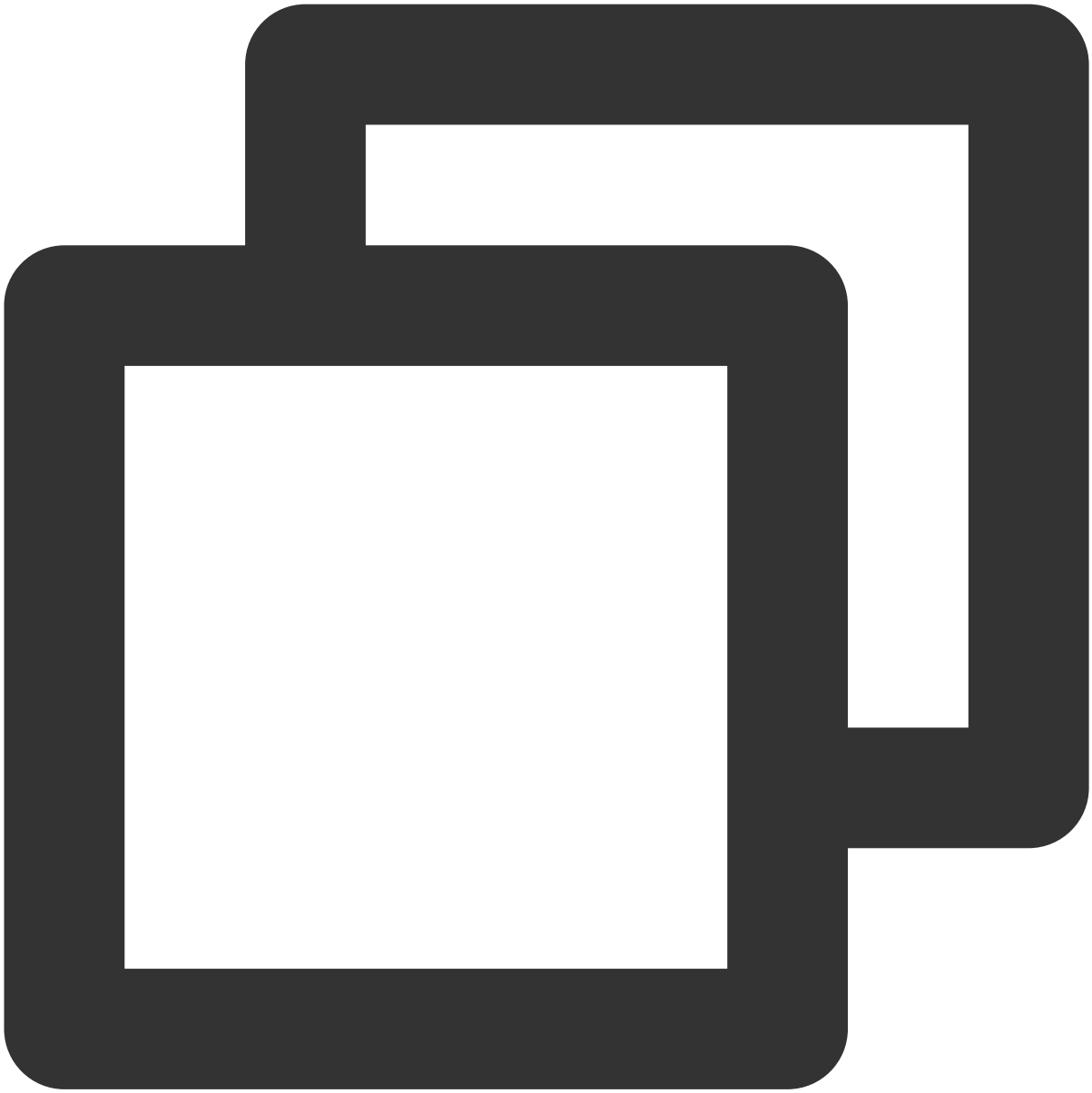
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

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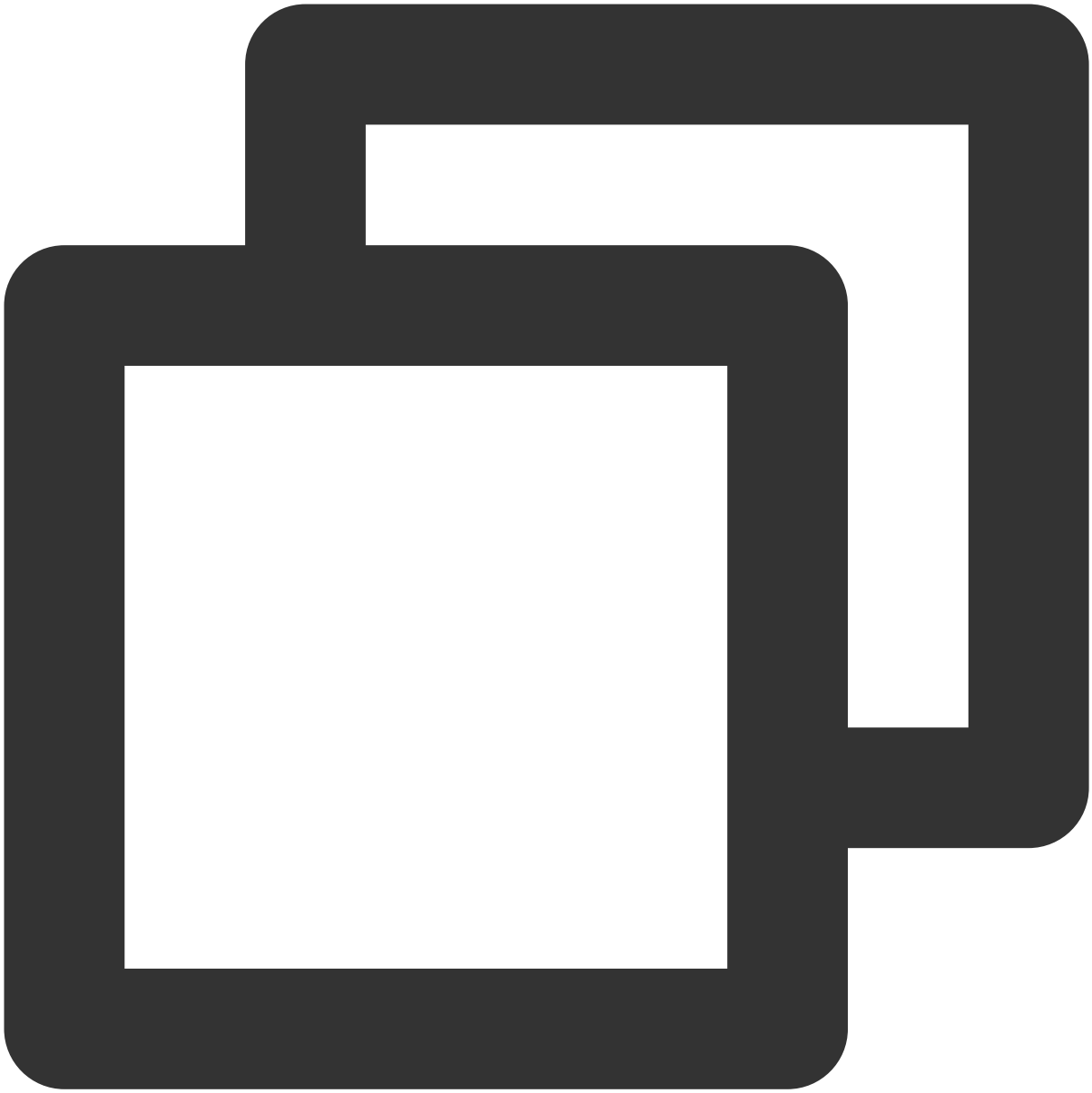
Request



```
DELETE /mediabucket HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
</Response>
```

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Media Bucket APIs
Querying Media Processing Activation Status

Last updated：2024-02-18 17:02:09

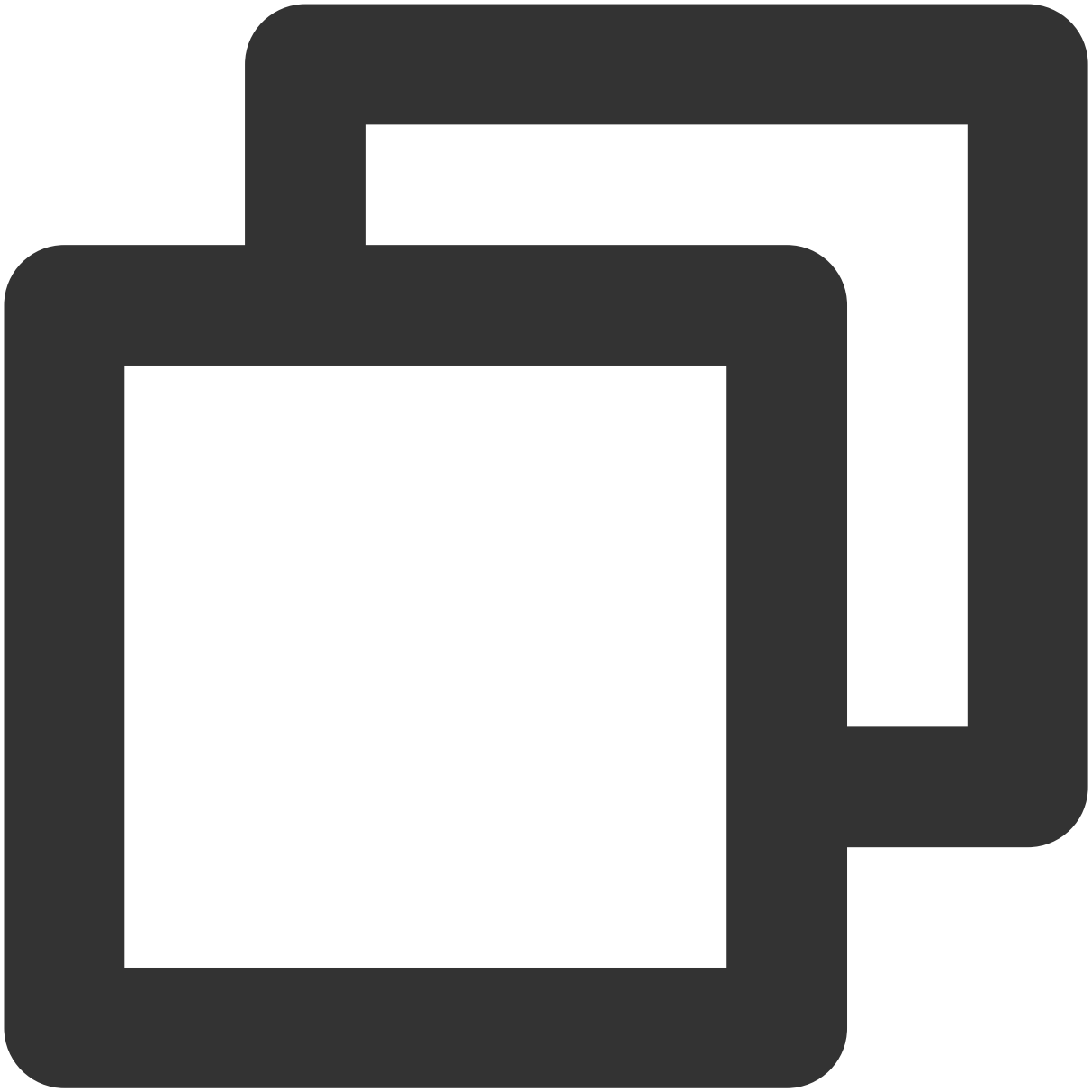
Feature Description

This API is used to query buckets with media processing enabled.

Request

Sample request

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```
GET /mediabucket HTTP/1.1
Host: ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter	Description	Type	Required
regions	Region information, such as `ap-shanghai` and `ap-beijing`. To specify multiple regions, separate them with commas. For more information, see Regions and Domain Names.	string	No
bucketNames	Bucket name. To specify multiple bucket names, separate them with commas. Exact search is supported.	string	No
bucketName	Bucket name prefix for prefix search.	string	No
pageNumber	Page number.	string	No
pageSize	Number of entries per page.	string	No

Response

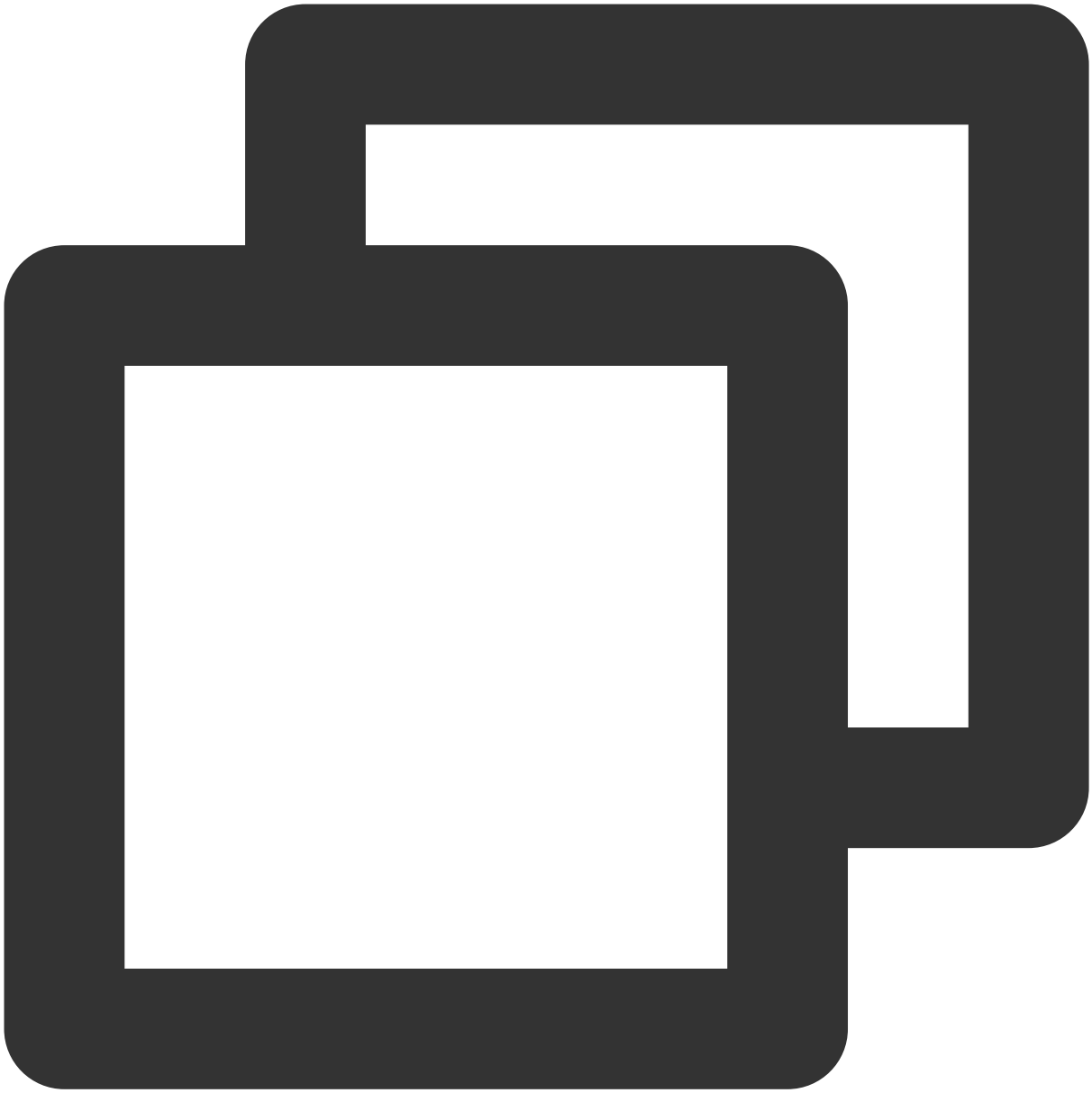
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TotalCount>1</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <MediaBucketList>
        <BucketId></BucketId>
        <Region></Region>
        <CreateTime></CreateTime>
    </MediaBucketList>
</Response>
```

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The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of media buckets.	Int
PageNumber	Response	Current page number, which is the same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
MediaBucketList	Response	Media bucket list.	Container

`MediaBucketList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
BucketId	Response.MediaBucketList	Bucket ID.	String
Name	Response.MediaBucketList	Bucket name, which is the same as `BucketId`.	String
Region	Response.MediaBucketList	Bucket region.	String
CreateTime	Response.MediaBucketList	Creation time.	String

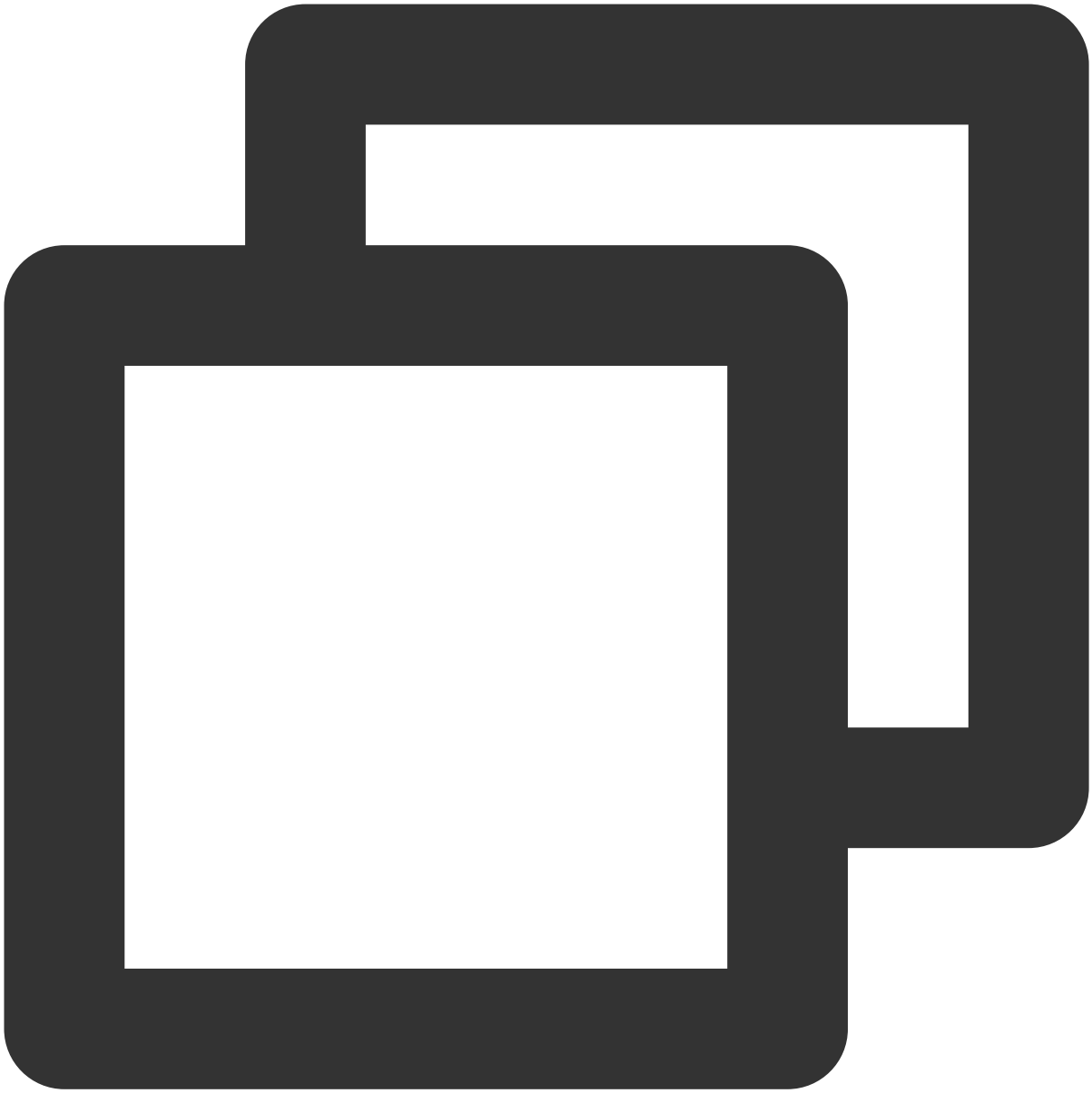
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

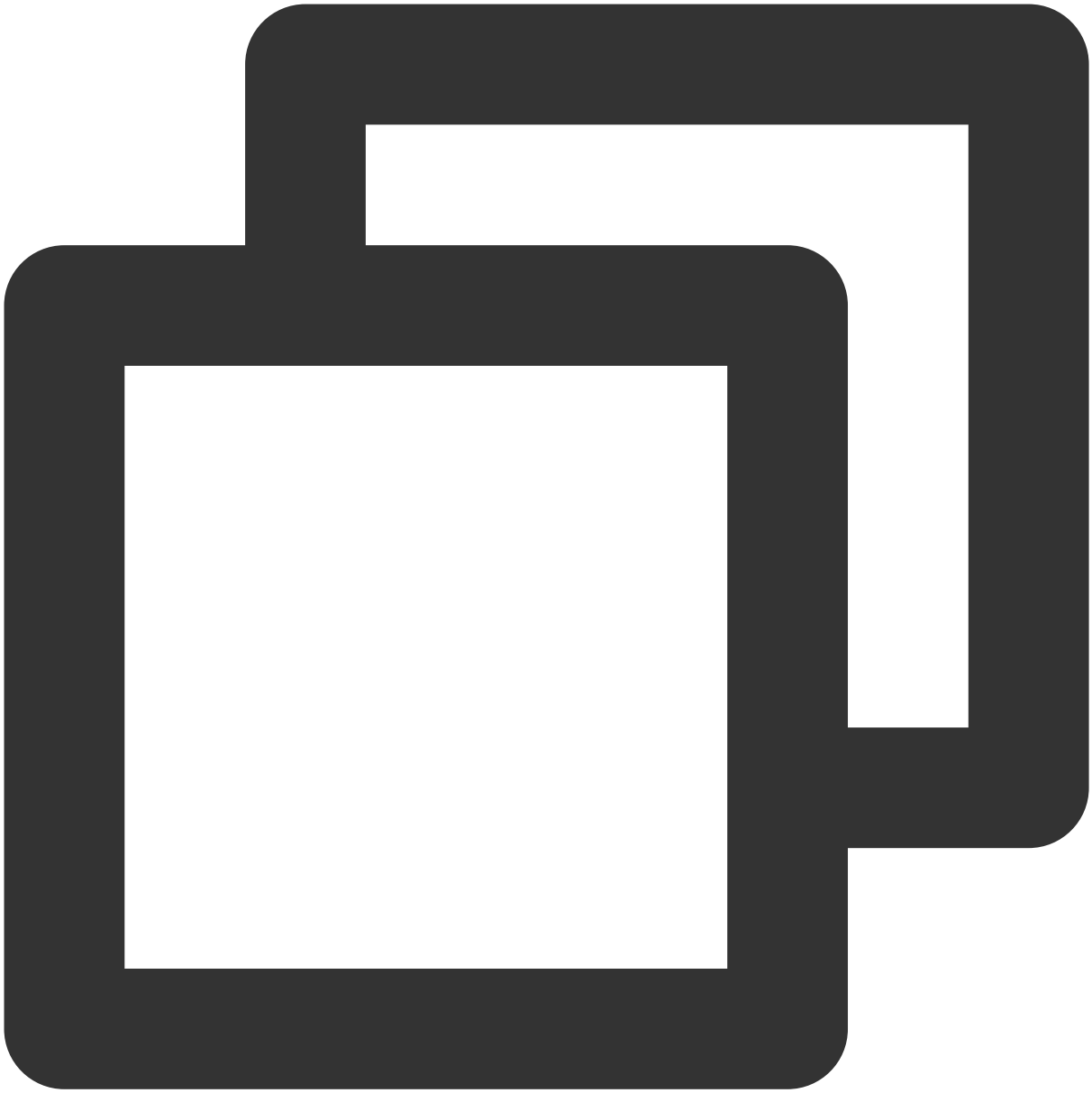
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```
GET /mediabucket HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host: ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****



<Response>
```

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```
        <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
        <TotalCount>1</TotalCount>
        <PageNumber>1</PageNumber>
        <PageSize>10</PageSize>
        <MediaBucketList>
              <BucketId></BucketId>
              <Region></Region>
              <CreateTime></CreateTime>
        </MediaBucketList>
        <MediaBucketList>
              <BucketId></BucketId>
              <Region></Region>
              <CreateTime></CreateTime>
        </MediaBucketList>
</Response>
```

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Activating Media Processing

Last updated：2024-02-18 17:02:09

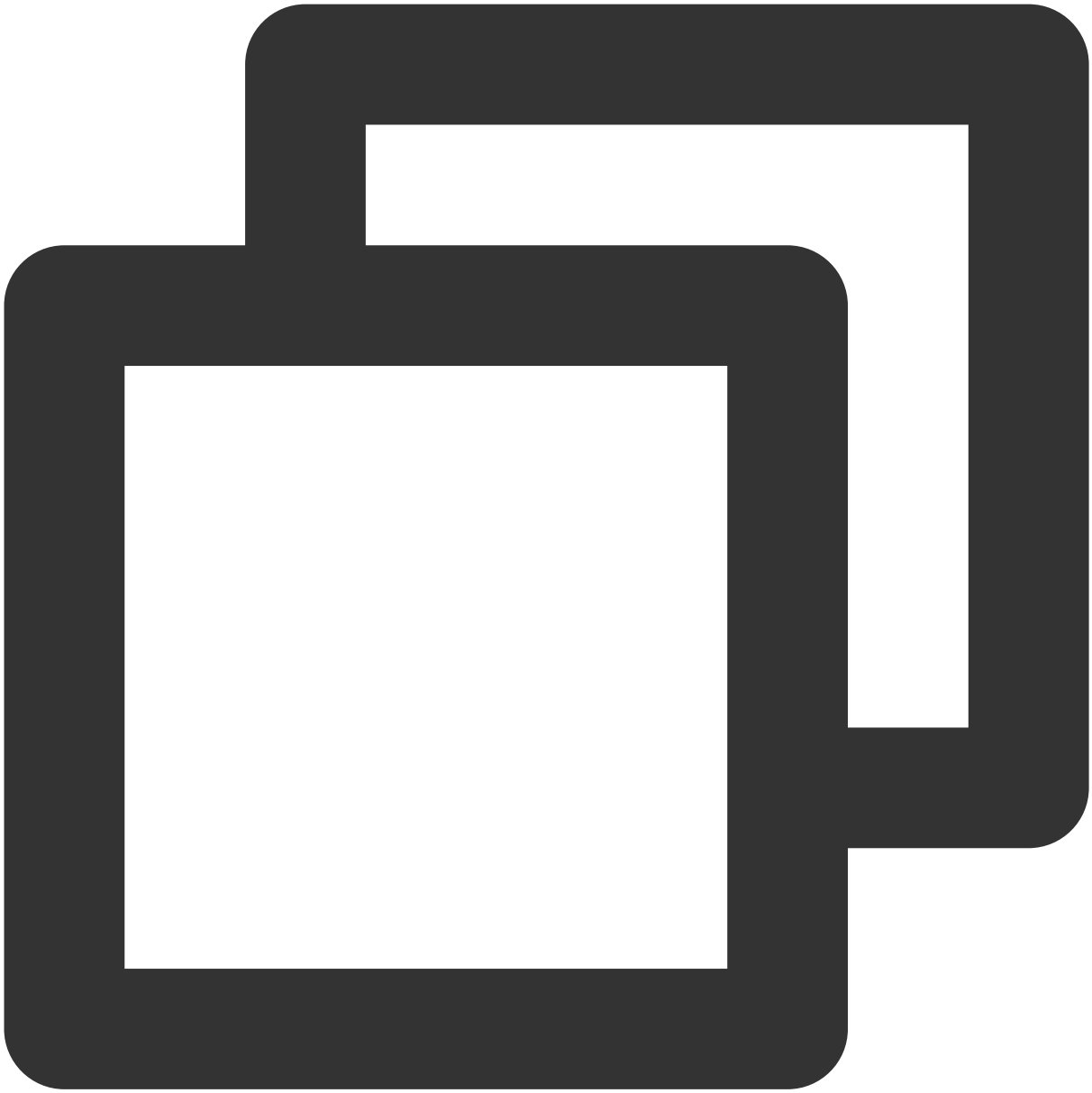
Feature Description

This API (`CreateMediaBucket`) is used to bind a media bucket (i.e., authorizing the media processing service role to access the bucket).

Request

Sample request

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```
POST /mediabucket HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

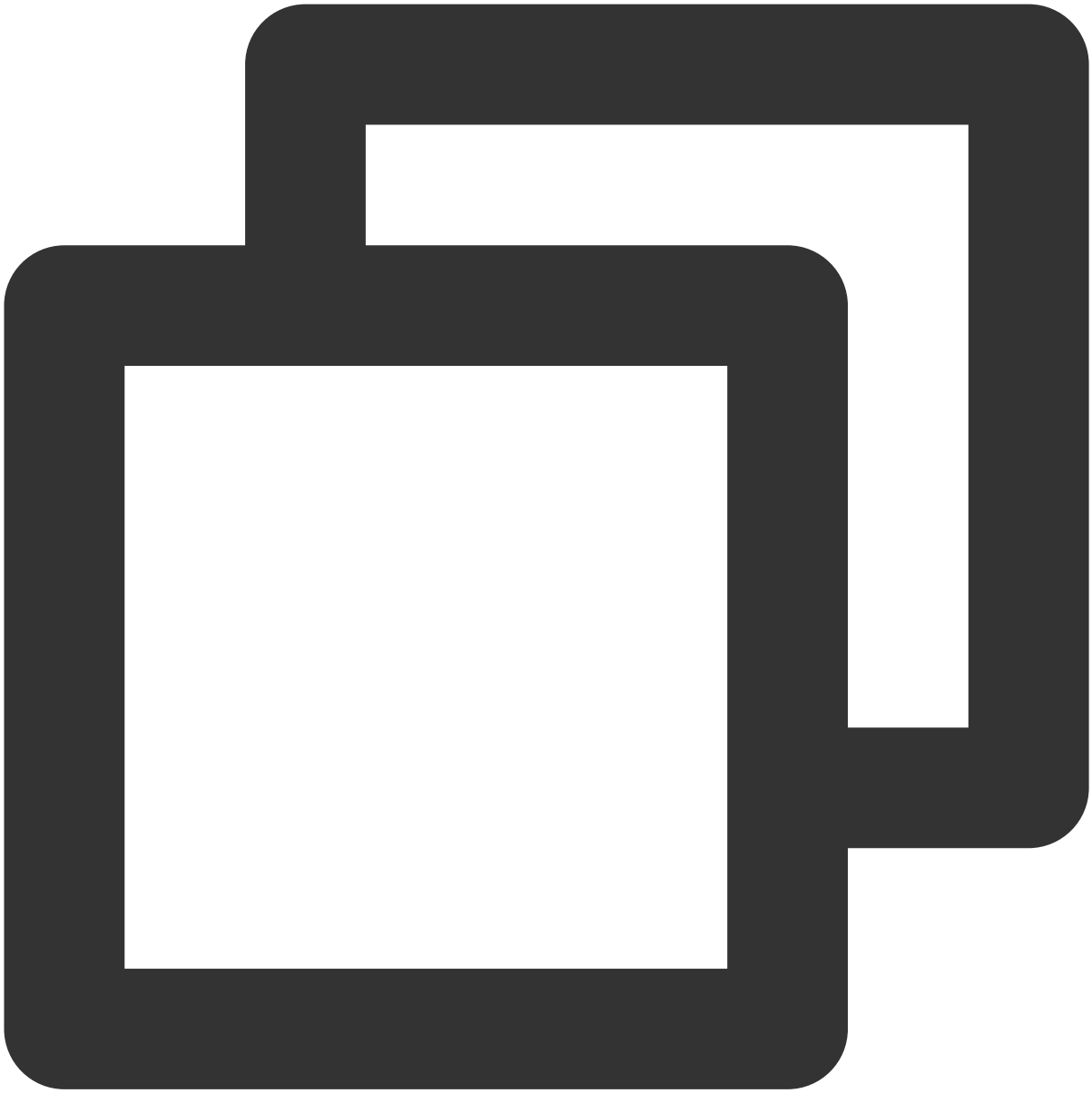
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <MediaBucket>
        <BucketId></BucketId>
        <Region></Region>
        <CreateTime></CreateTime>
    </MediaBucket>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
MediaBucket	Response	Media bucket details. Same as `Response.MediaBucketList` in DescribeMediaBuckets.	Container

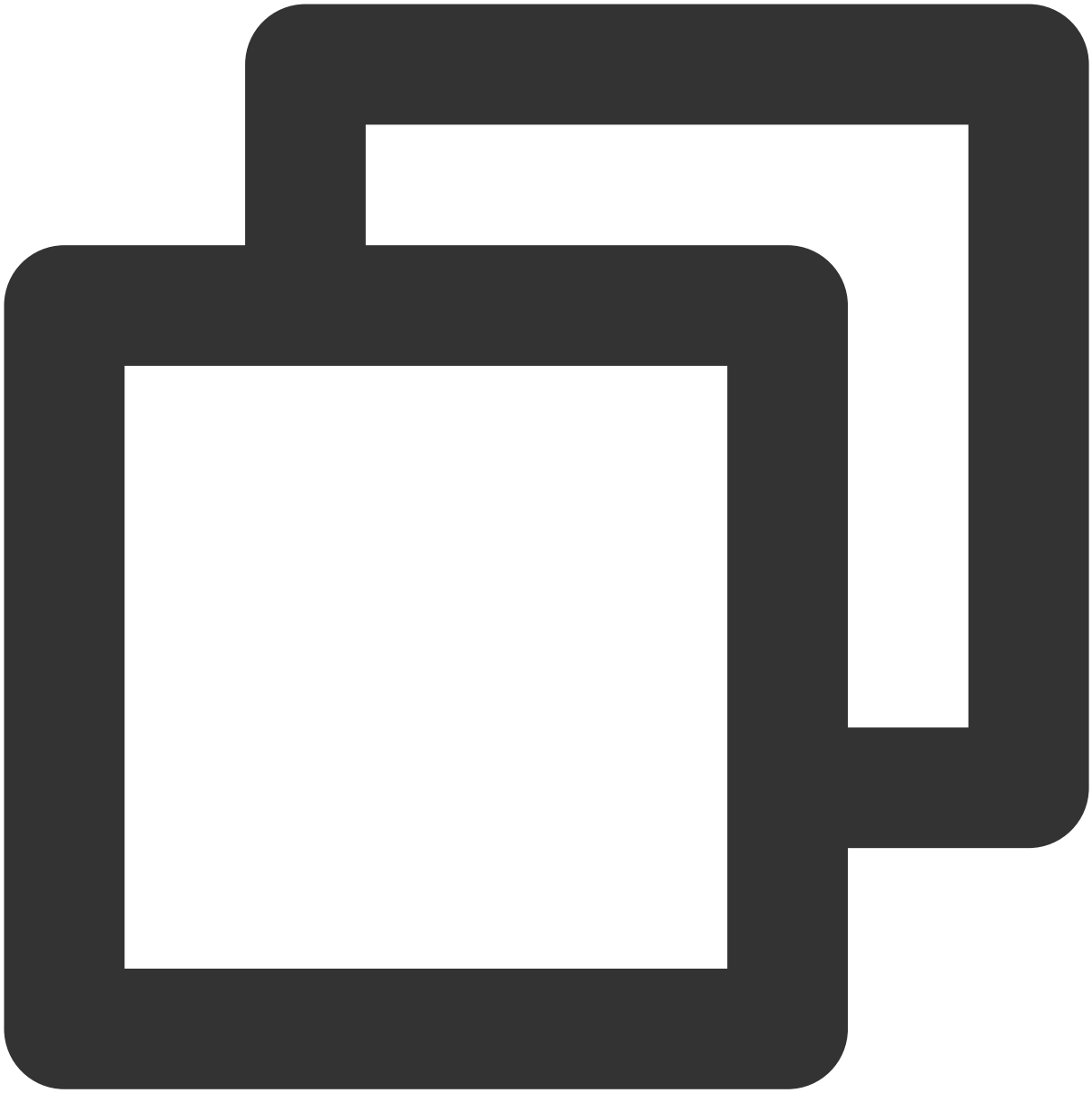
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

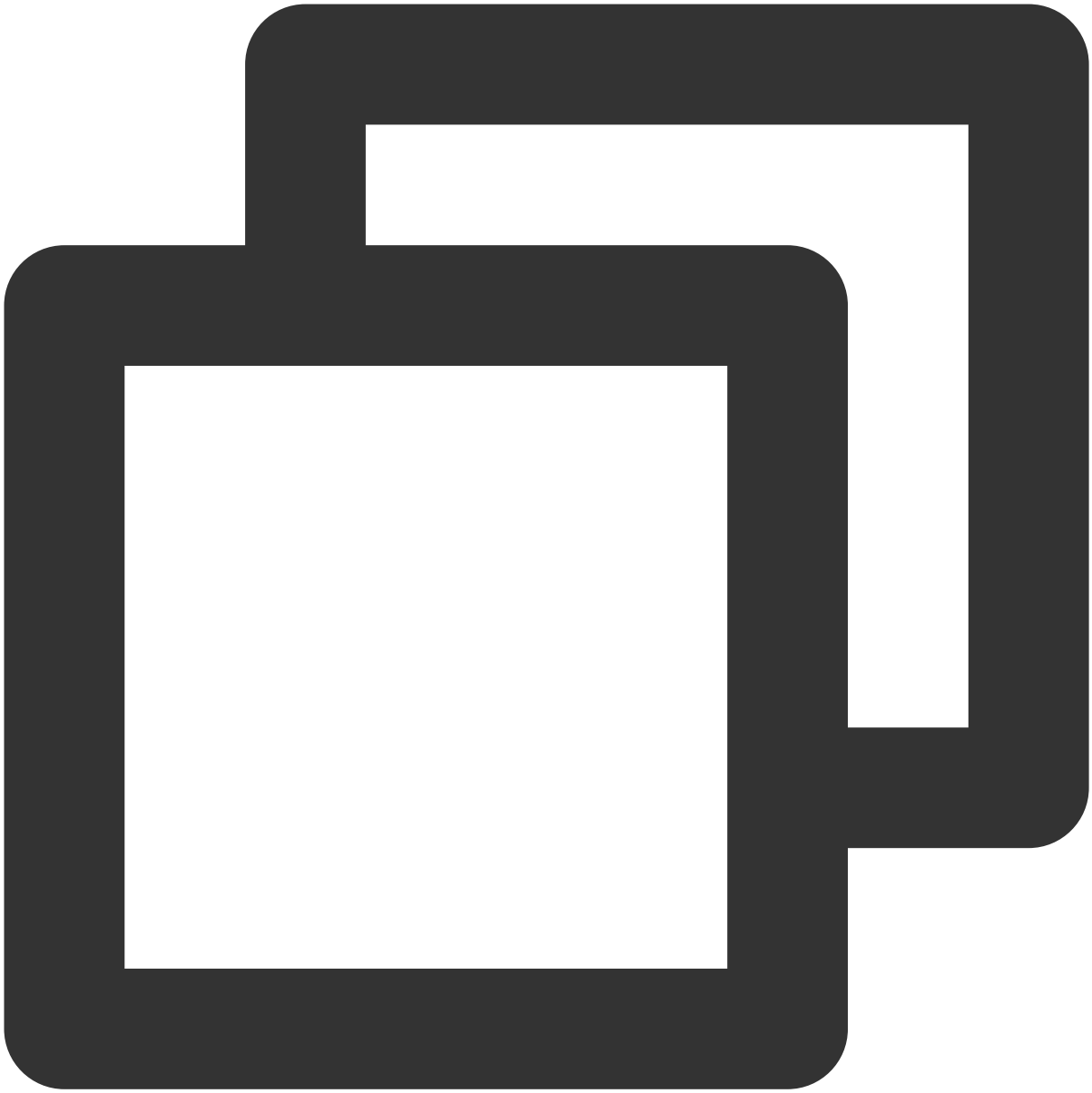
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```
POST /mediabucket HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <MediaBucket>
```

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```
        <BucketId>examplebucket-1250000000</BucketId>
        <Region>ap-beijing</Region>
        <CreateTime>2019-11-15T12:12:12+0800</CreateTime>
    </MediaBucket>
</Response>
```

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CreateMediaBucket

Last updated：2024-02-18 17:02:09

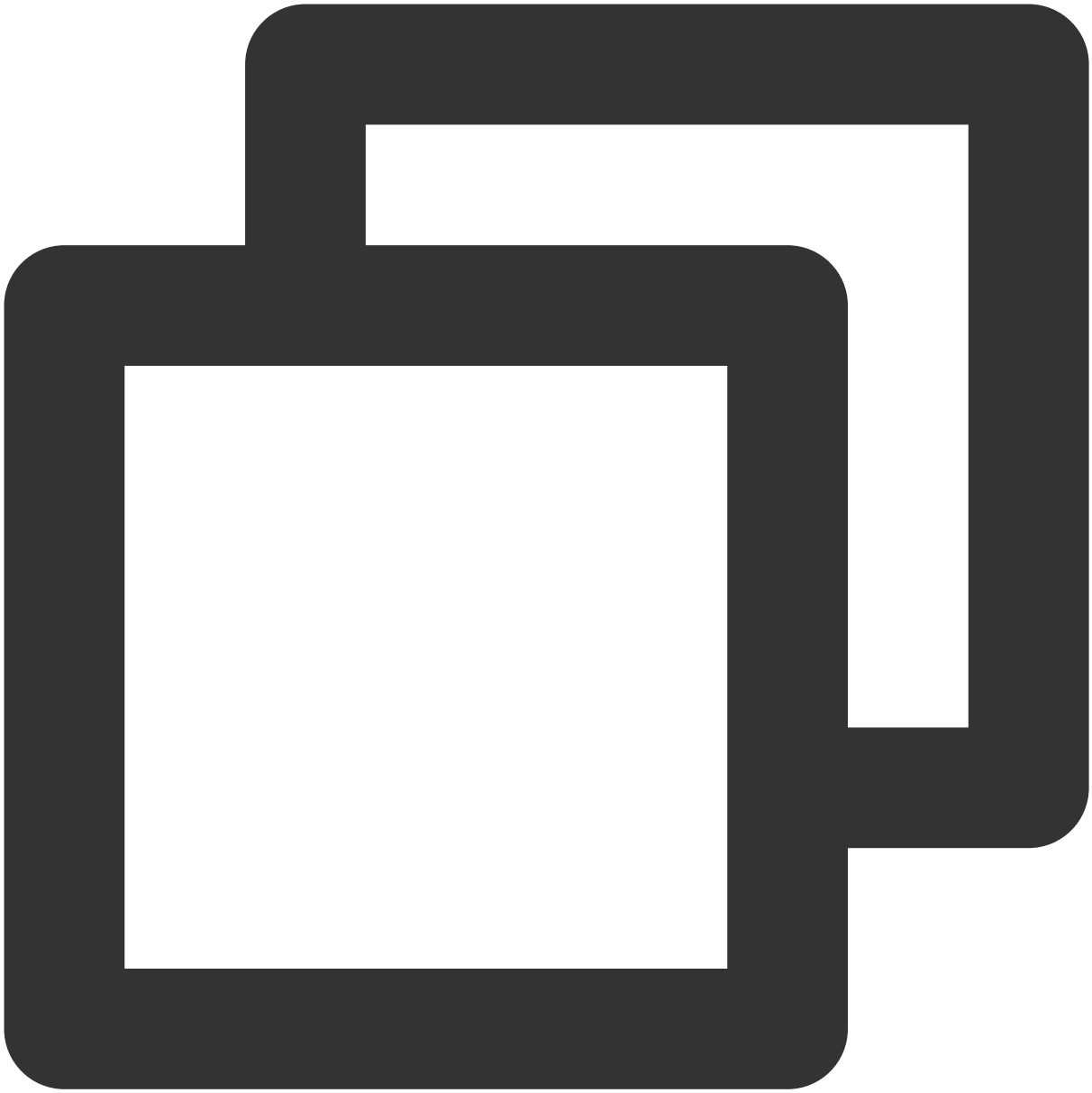
Feature Description

This API (`CreateMediaBucket`) is used to bind a media bucket (i.e., authorizing the media processing service role to access the bucket).

Request

Sample request

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```
POST /mediabucket HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

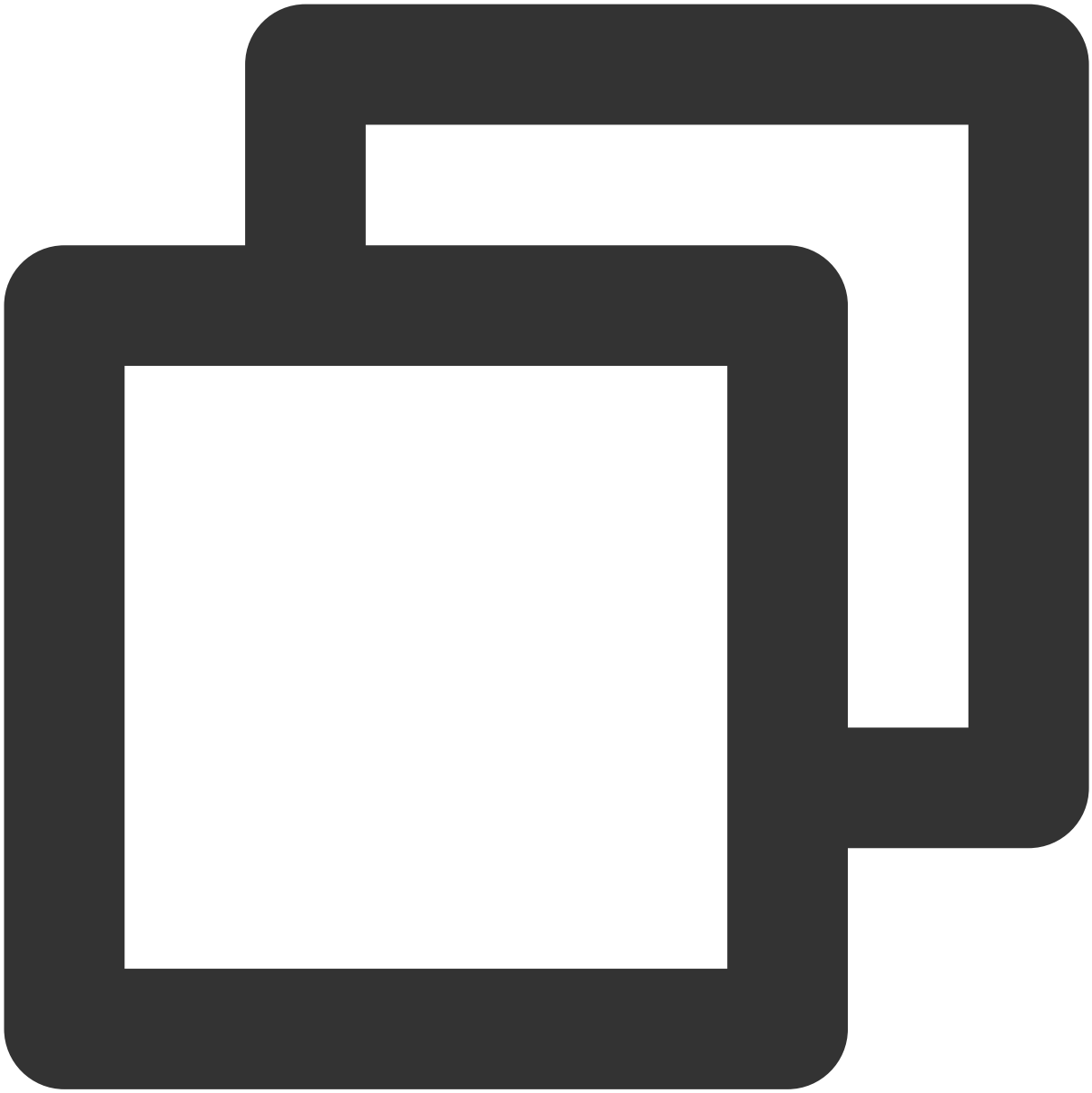
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <MediaBucket>
        <BucketId></BucketId>
        <Region></Region>
        <CreateTime></CreateTime>
    </MediaBucket>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
MediaBucket	Response	Media bucket details. Same as `Response.MediaBucketList` in DescribeMediaBuckets.	Container

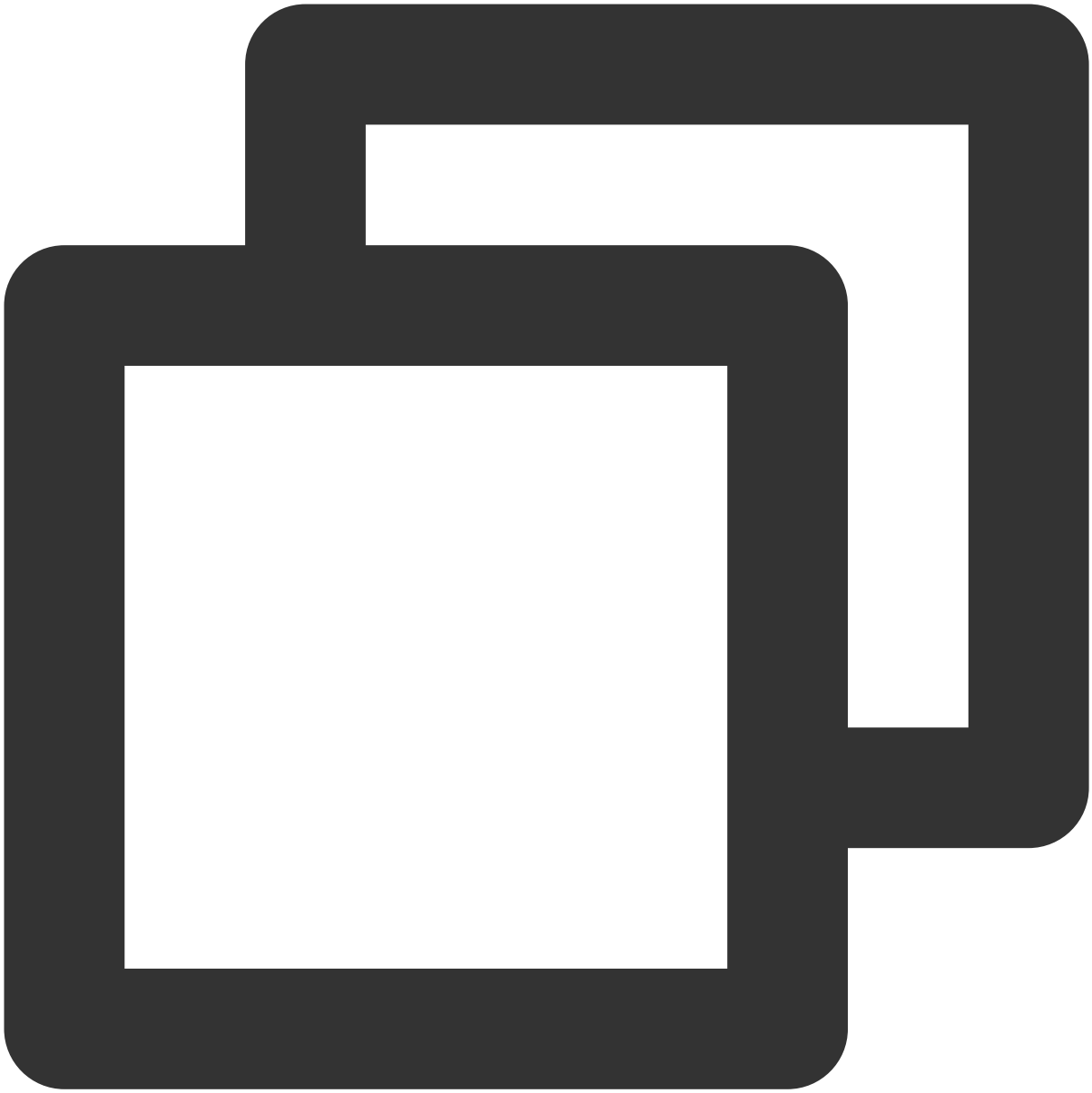
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

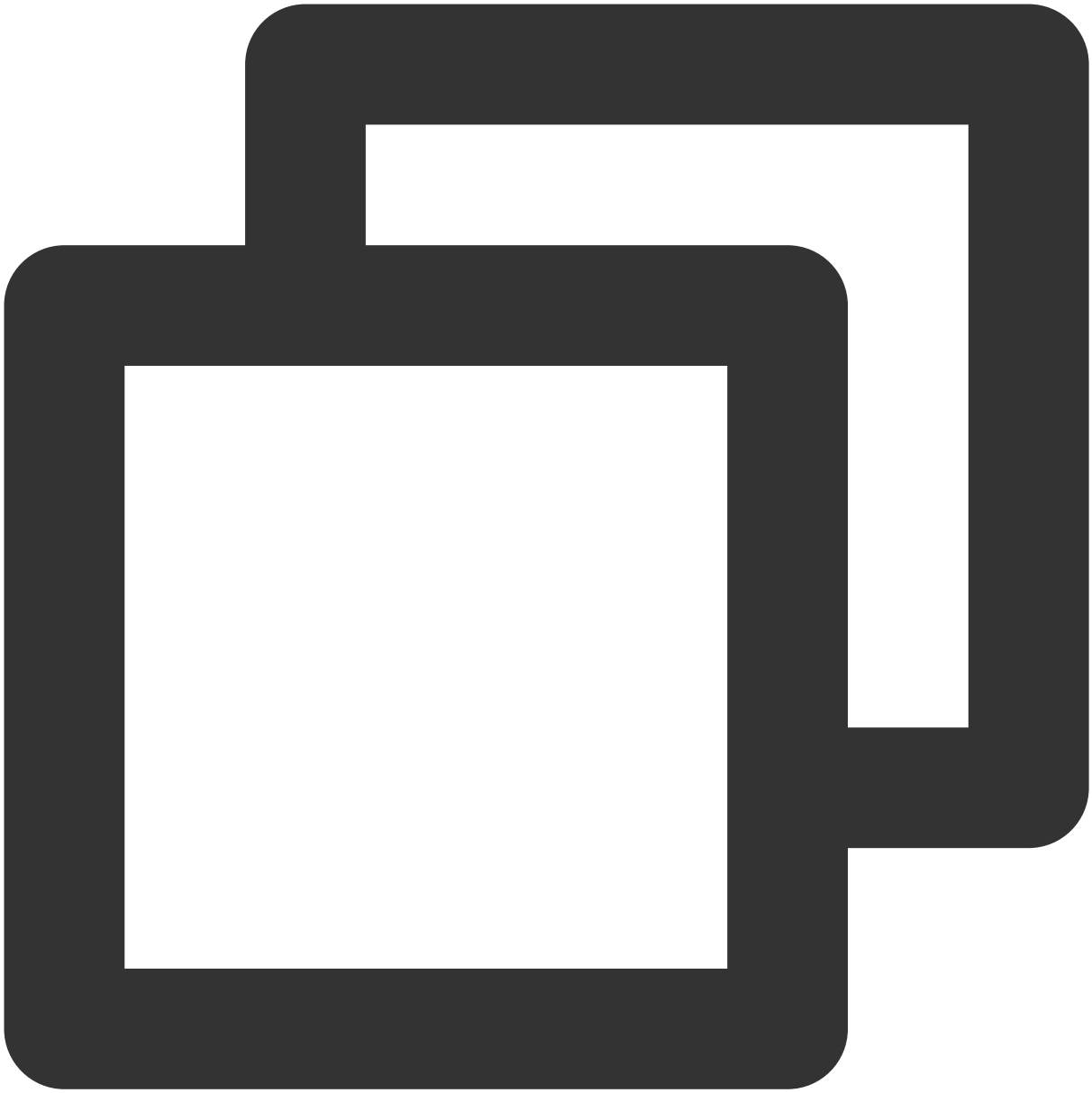
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```
POST /mediabucket HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <MediaBucket>
```

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```
        <BucketId>examplebucket-1250000000</BucketId>
        <Region>ap-beijing</Region>
        <CreateTime>2019-11-15T12:12:12+0800</CreateTime>
    </MediaBucket>
</Response>
```

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Queue APIs
Searching for Media Processing Queue

Last updated：2024-02-18 17:02:09

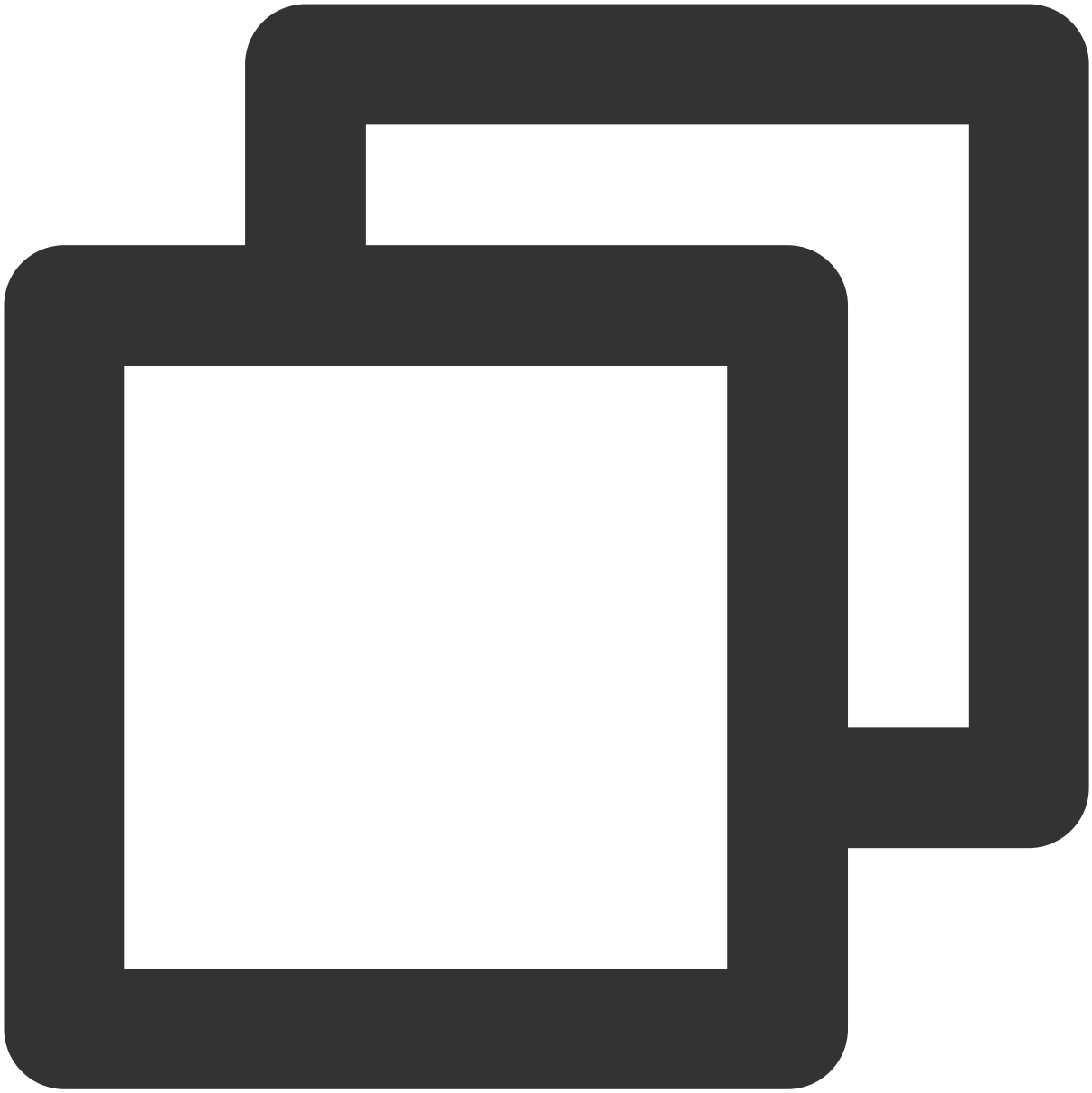
Feature Description

This API is used to search for a media processing queue.

Request

Sample request

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```
GET /queue HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter (Keyword)	Description	Type	Required
queueIds	Queue ID. If you enter multiple IDs, separate them by comma.	String	No
state	1. Active: Jobs in the queue will be scheduled and executed by the media processing service. 2. Paused: The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the Paused status, while jobs being executed will not be affected.	String	No
category	1. CateAll: All types. 2. Transcoding: Media processing queue. 3. SpeedTranscoding: Media processing and accelerated transcoding queue. 4. Default value: `Transcoding`.	String	No
pageNumber	Page number. Default value: `1`.	String	No
pageSize	Number of entries per page. Default value: `10`.	String	No

Response

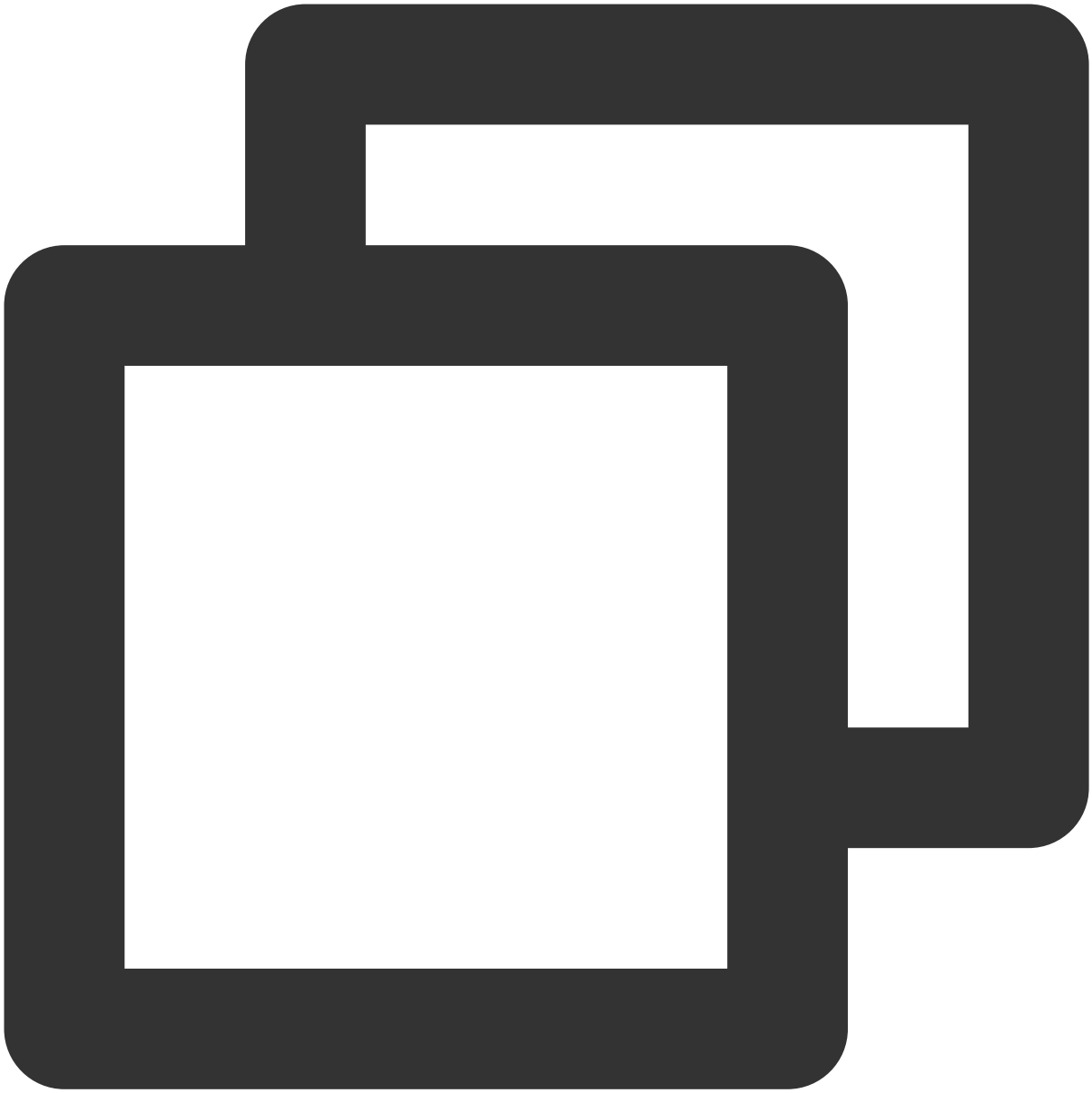
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes when `pageNumber` and `pageSize` are specified:

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```
<Response>
    <RequestId>NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x</RequestId>
    <TotalCount>2</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <QueueList>
        <QueueId>p4a17eeea29334bf499b7e20e2fbfd99d</QueueId>
        <Name>queue-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
```

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```
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>Transcoding</Category>
    </QueueList>
    <QueueList>
        <QueueId>pbf17a810dce74c18a641b663aede6803</QueueId>
        <Name>queue-speed-transcoding-process-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>SpeedTranscoding</Category>
    </QueueList>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of queues	Int
PageNumber	Response	Current page number, which is the same as `pageNumber` in the request.	Int

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PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
QueueList	Response	Queue array	Container array
NonExistPIDs	Response	List of IDs of non-existent queues	String array

`QueueList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueId	Response.QueueList	Queue ID	String
Name	Response.QueueList	Queue name	String
State	Response.QueueList	Current status: `Active` or `Paused`	String
NotifyConfig	Response.QueueList	Callback configuration	Container
MaxSize	Response.QueueList	Maximum length of the queue	Int
MaxConcurrent	Response.QueueList	Maximum number of concurrent jobs in the current queue	Int
Category	Response.QueueList	Queue type	String
UpdateTime	Response.QueueList	Update time	String
CreateTime	Response.QueueList	Creation time	String

`NotifyConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Url	Response.QueueList.NotifyConfig	Callback address	String
State	Response.QueueList.NotifyConfig	Switch status: `On` or `Off`	String
Type	Response.QueueList.NotifyConfig	Callback type: Url	String
Event	Response.QueueList.NotifyConfig	Job completed: `TaskFinish`; workflow completed: `WorkflowFinish`	String
ResultFormat	Response.QueueList.NotifyConfig	Callback type: `XML` or `JSON`.	String

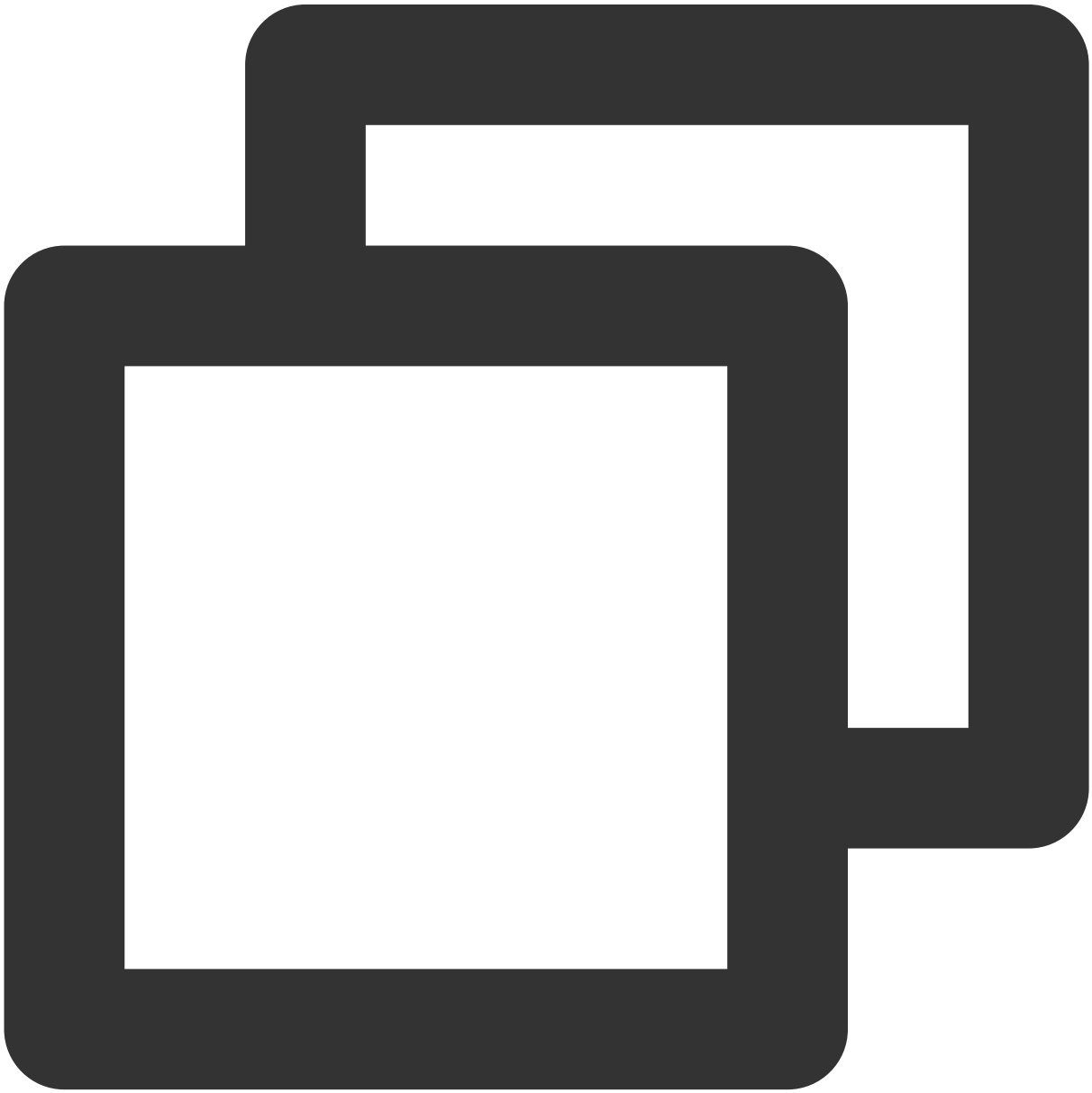
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Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

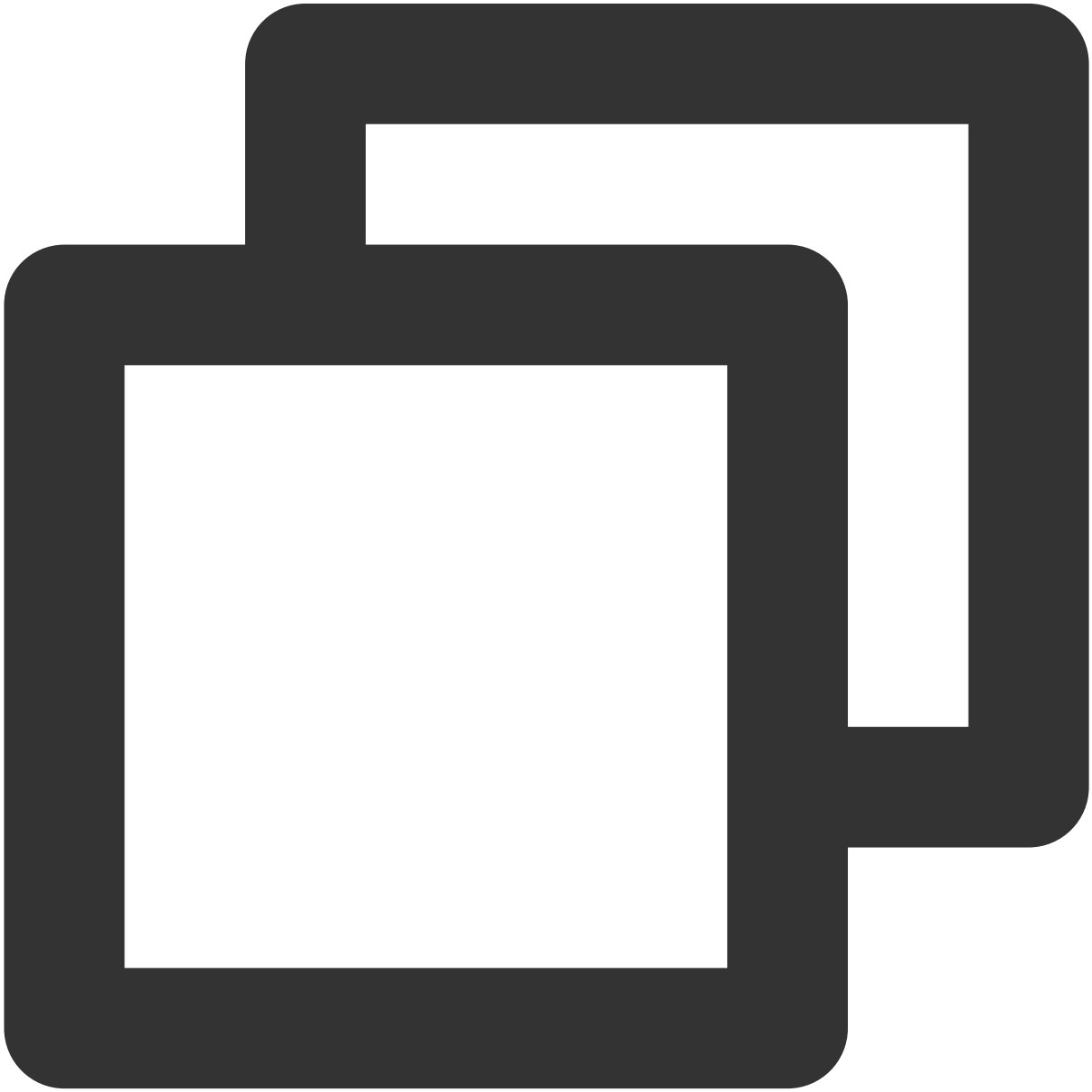
Request 1: Searching for the specified queue



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```
GET /queue?queueIds=p4a17eeea29334bf499b7e20e2fbfd99d,A,B HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response 1



```
HTTP/1.1 200 OK
Content-Type: application/xml
```

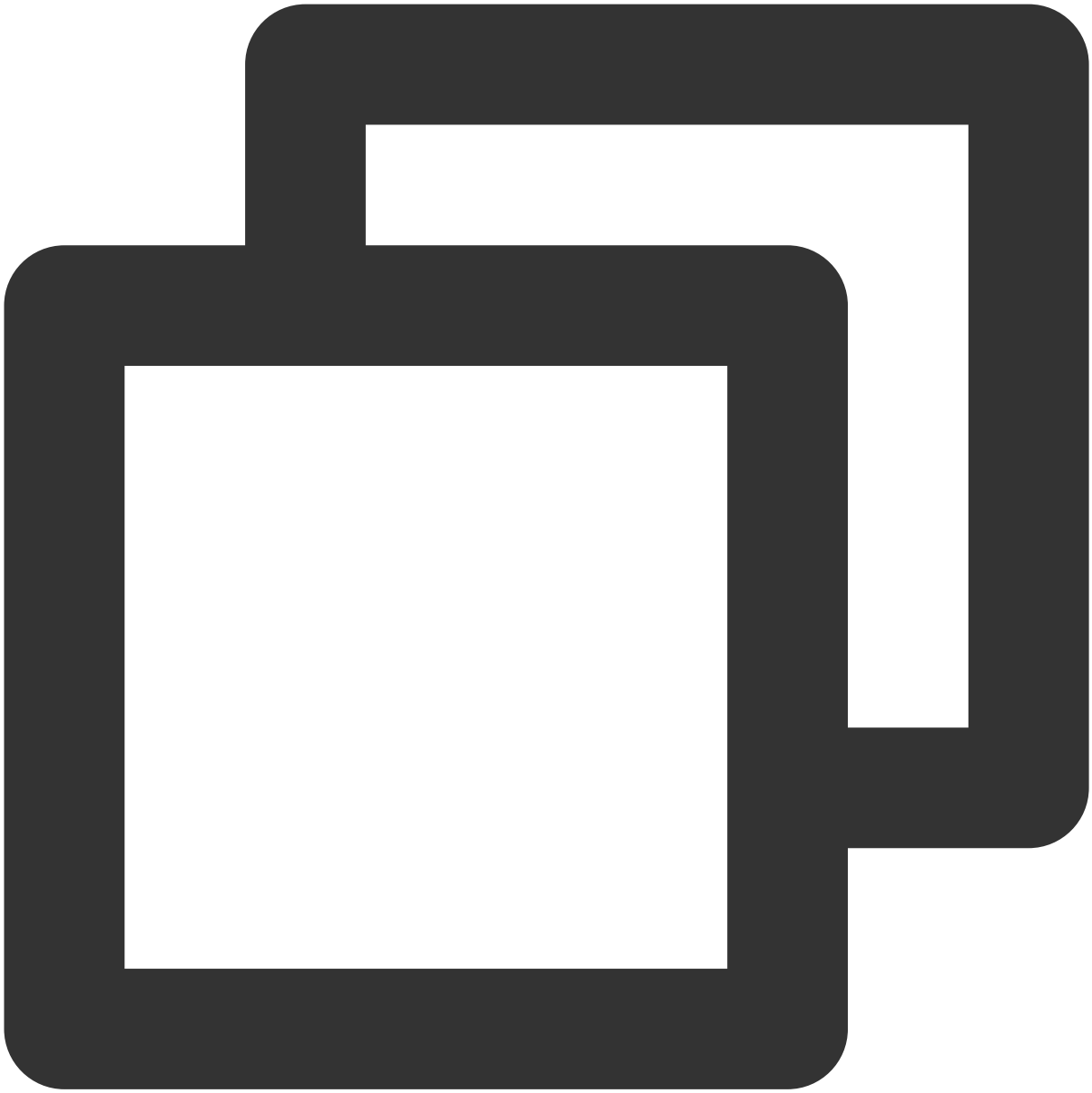
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```
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmMzJjNDFfOTBmYTUwNjRfNjQ5NF8x

<Response>
    <RequestId>NjJmMzJjNDFfOTBmYTUwNjRfNjQ5NF8x</RequestId>
    <QueueList>
        <QueueId>p4a17eeea29334bf499b7e20e2fbfd99d</QueueId>
        <Name>queue-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>Transcoding</Category>
    </QueueList>
    <NonExistPIDs>A</NonExistPIDs>
    <NonExistPIDs>B</NonExistPIDs>
</Response>
```

Request 2: Querying the list of queues

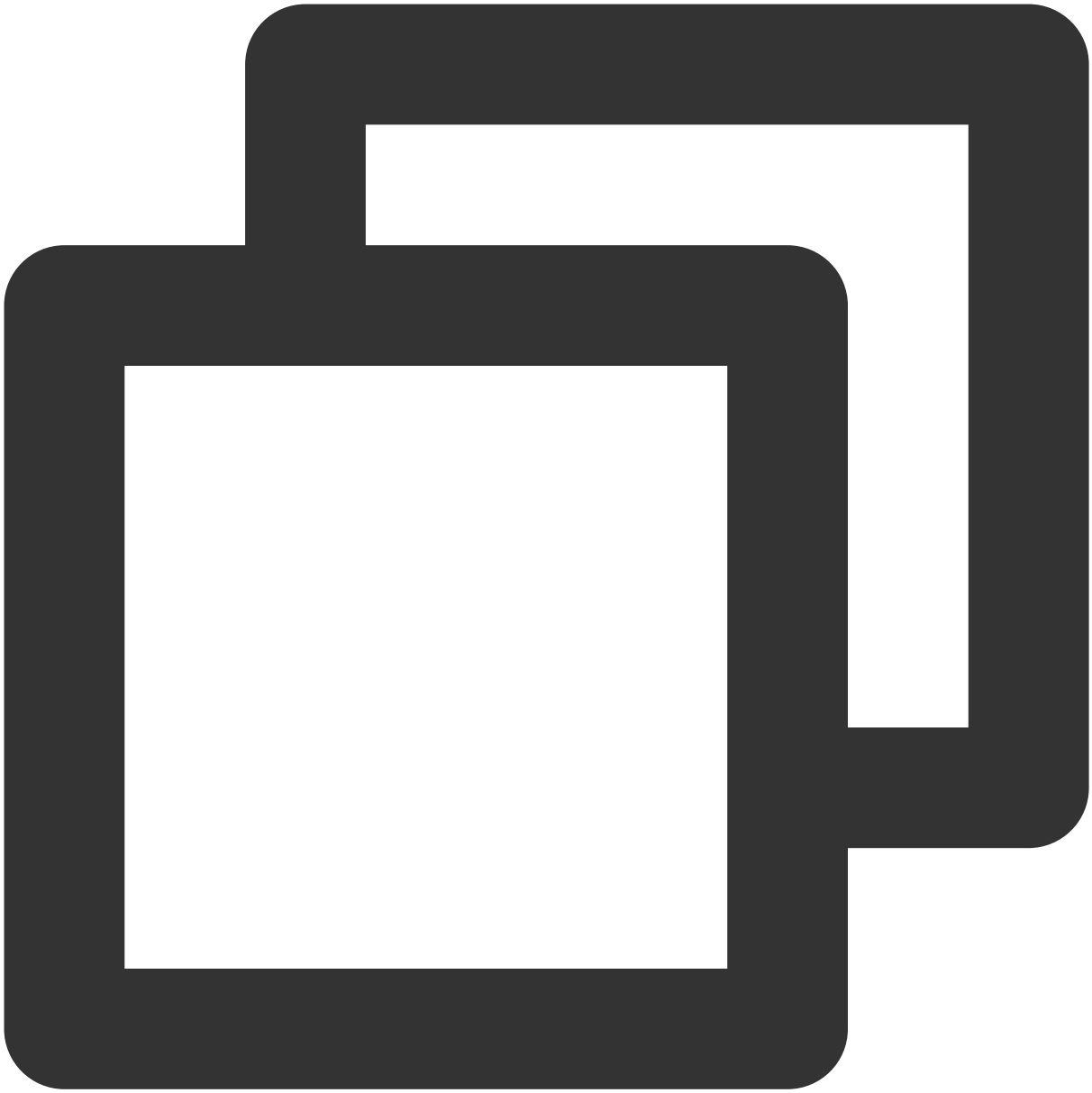
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```
GET /queue?pageSize=10&pageNumber=1&category=CateAll HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response 2

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x

<Response>
    <RequestId>NjJmMzI5MmRfOTBmYTUwNjRfNjcwM18x</RequestId>
    <TotalCount>2</TotalCount>
```

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```
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <QueueList>
        <QueueId>p4a17eeea29334bf499b7e20e2fbfd99d</QueueId>
        <Name>queue-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>Transcoding</Category>
    </QueueList>
    <QueueList>
        <QueueId>pbf17a810dce74c18a641b663aede6803</QueueId>
        <Name>queue-speed-transcoding-process-1</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <MaxSize>10000</MaxSize>
        <MaxConcurrent>10</MaxConcurrent>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:23:11+0800</CreateTime>
        <Category>SpeedTranscoding</Category>
    </QueueList>
</Response>
```

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Updating Media Processing Queue

Last updated：2024-02-18 17:02:09

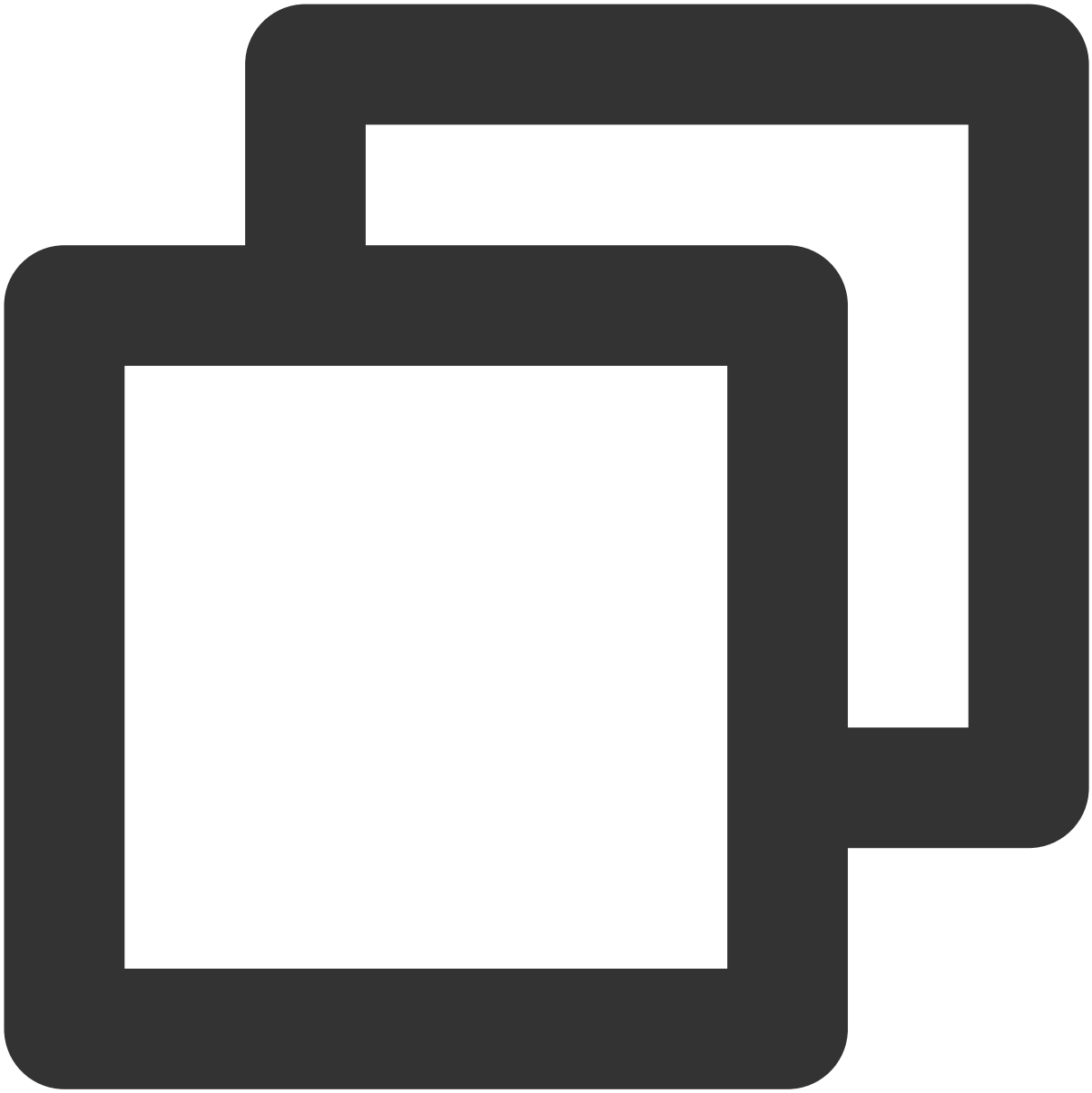
Feature Description

This API is used to update a media processing queue.

Request

Sample request

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```
PUT /queue/<queueId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

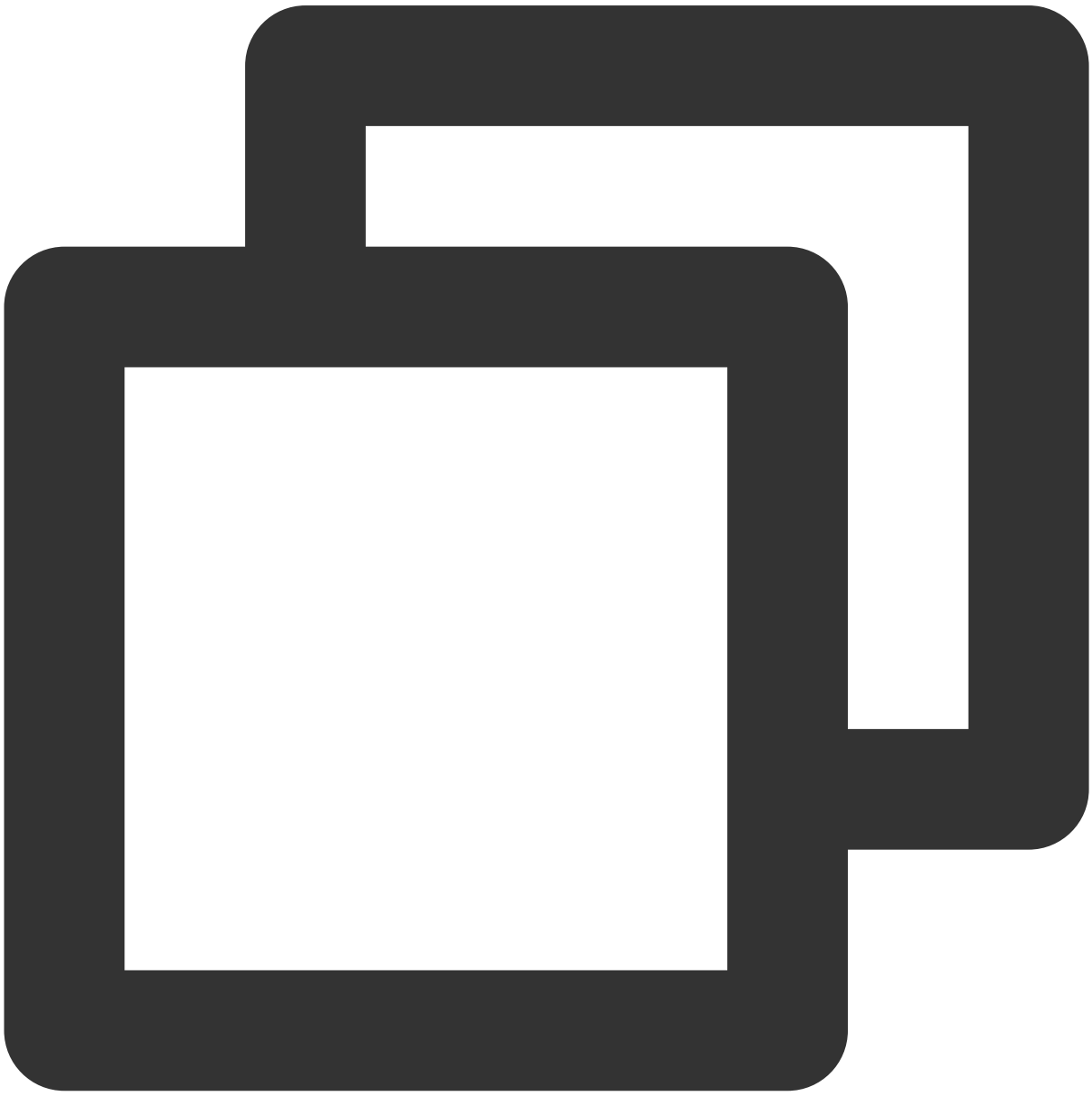
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Name>My-Queue-Media</Name>
    <State>Active</State>
    <NotifyConfig>
        <State>On</State>
        <Url>http://callback.demo.com</Url>
        <Type>Url</Type>
        <Event>TaskFinish,WorkflowFinish</Event>
        <ResultFormat>JSON</ResultFormat>
    </NotifyConfig>
</Request>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Request	None	Response container	Container	Yes	None	None

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Name	Request	Queue name, which can contain up to 128 bytes.	String	Yes	None	None
State	Request	1. Active: Jobs in the queue will be scheduled and executed by the media processing service. 2. Paused: The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the Paused status, while jobs being executed will not be affected.	String	Yes	None	None
NotifyConfig	Request	Callback configuration	Container	Yes	None	None

`NotifyConfig` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
State	Request.NotifyConfig	Callback status: `Off` or `On`.	String	No	Off	On/Off
Event	Request.NotifyConfig	Callback event	String	Yes if `State` is `On`	None	Job completion: `TaskFinish`; workflow completio `WorkflowFinis`
ResultFormat	Request.NotifyConfig	Callback format	String	No	XML	JSON/XML
Type	Request.NotifyConfig	Callback type	String	Yes if `State` is `On`	None	`Url` or `TDMQ`
Url	Request.NotifyConfig	Callback address	String	Yes if `State` is `On` and `Type` is `Url`	None	The callback addre cannot be a private network address.
MqMode	Request.NotifyConfig	TDMQ queue mode	String	Yes if `State` is `On` and `Type` is `TDMQ`	Queue	Topic: Topic subscription Queue: Queue serv
MqRegion	Request.NotifyConfig	TDMQ region	String	Yes if `State` is `On` and `Type` is `TDMQ`	None	Valid values: `sh` (Shanghai), `bj` (Beijing), `gz` (Guangzhou), `cd` (Chengdu), `hk` (Hong Kong, China
MqName	Request.NotifyConfig	TDMQ topic name	String	Yes if `State` is `On`	None	None

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				and `Type` is `TDMQ`		

Response

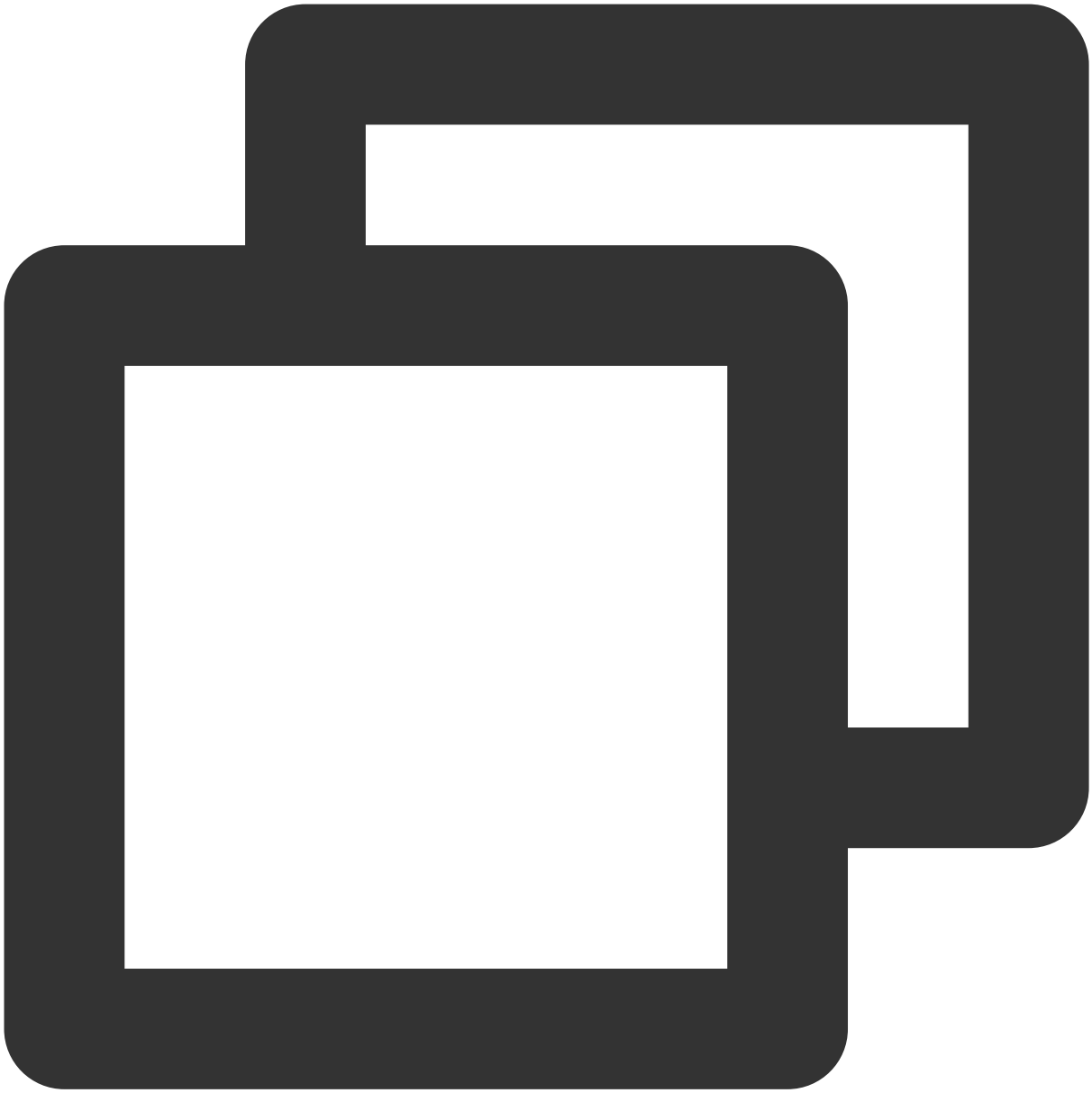
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85</RequestId>
    <Queue>
        <QueueId>p4a17eeea29334bf499b7e20e2fbfd99d</QueueId>
        <Name>My-Queue-Media</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
```

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```
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:13:05+0800</CreateTime>
    </Queue>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
Queue	Response	Queue information	Container

`Queue` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueId	Response.Queue	Queue ID	String
Name	Response.Queue	Queue name	String
State	Response.Queue	Current status: `Active` or `Paused`.	String
NotifyConfig	Response.Queue	Callback configuration, which is the same as `Request.NotifyConfig`.	Container
MaxSize	Response.Queue	Maximum length of the queue	Int
MaxConcurrent	Response.Queue	Maximum number of concurrent jobs in the current queue	Int
Category	Response.Queue	Queue type	String
UpdateTime	Response.Queue	Update time	String
CreateTime	Response.Queue	Creation time	String

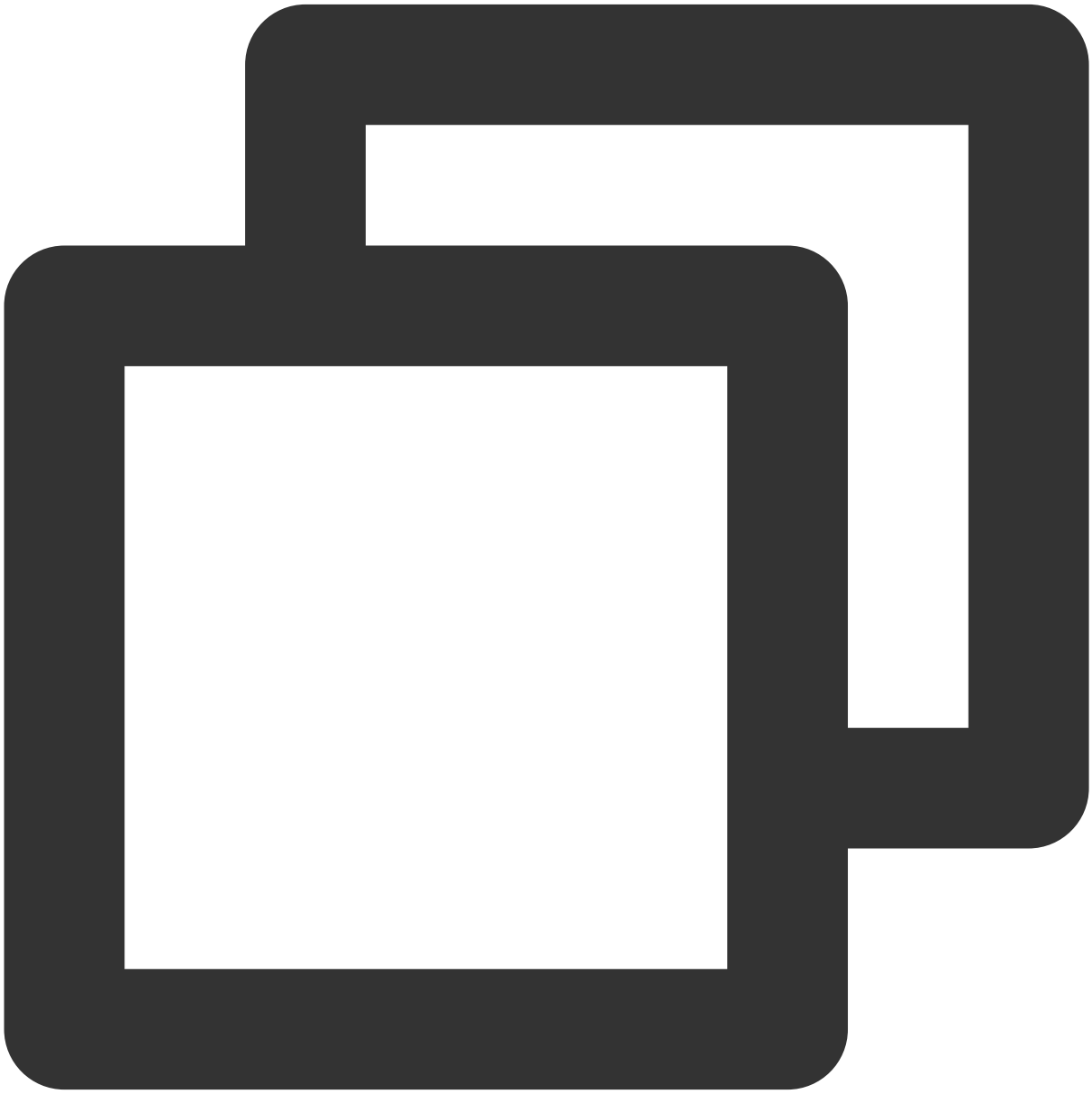
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



```
PUT /queue/p4a17eeea29334bf499b7e20e2fbfd99d HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

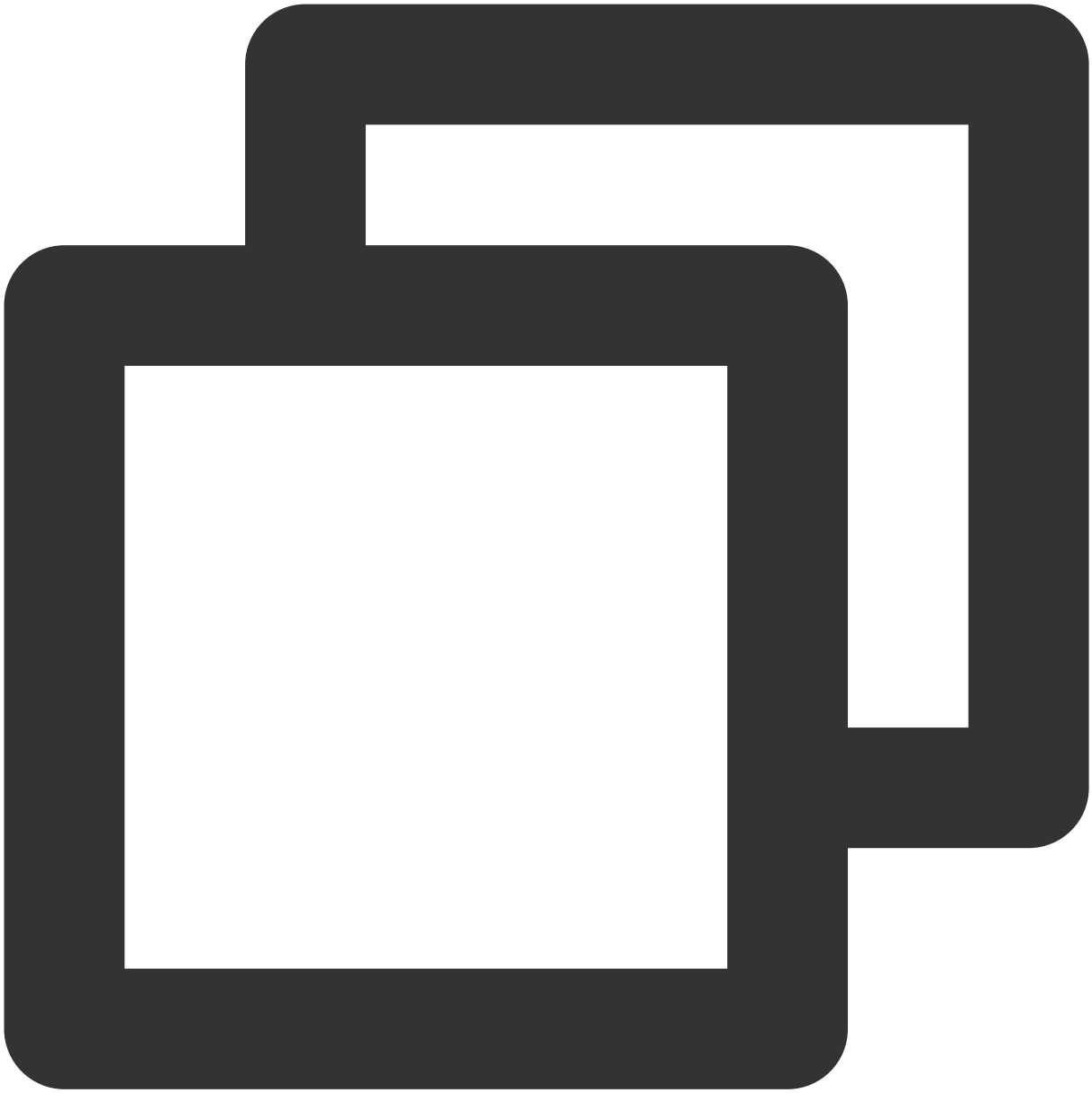
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```
Content-Length: 162
Content-Type: application/xml

<Request>
    <Name>My-Queue-Media</Name>
    <State>Active</State>
    <NotifyConfig>
        <State>On</State>
        <Url>http://callback.demo.com</Url>
        <Type>Url</Type>
        <Event>TaskFinish,WorkflowFinish</Event>
        <ResultFormat>JSON</ResultFormat>
    </NotifyConfig>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85

<Response>
    <RequestId>NjJmNDczY2RfOTBmYTUwNjRfNTA4ZV85</RequestId>
    <Queue>
```

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```
        <QueueId>p4a17eeea29334bf499b7e20e2fbfd99d</QueueId>
        <Name>My-Queue-Media</Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>http://callback.demo.com</Url>
            <Event>TaskFinish,WorkflowFinish</Event>
            <Type>Url</Type>
            <State>On</State>
            <ResultFormat>JSON</ResultFormat>
        </NotifyConfig>
        <UpdateTime>2022-08-09T16:23:11+0800</UpdateTime>
        <CreateTime>2022-08-09T16:13:05+0800</CreateTime>
    </Queue>
</Response>
```

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Sync Media Processing Service
Getting Media Screenshot
Getting Media File Screenshot

Last updated：2024-02-18 17:02:09

Feature Description

This API (`GetSnapshot`) is used to get a screenshot of a media file at some time point.

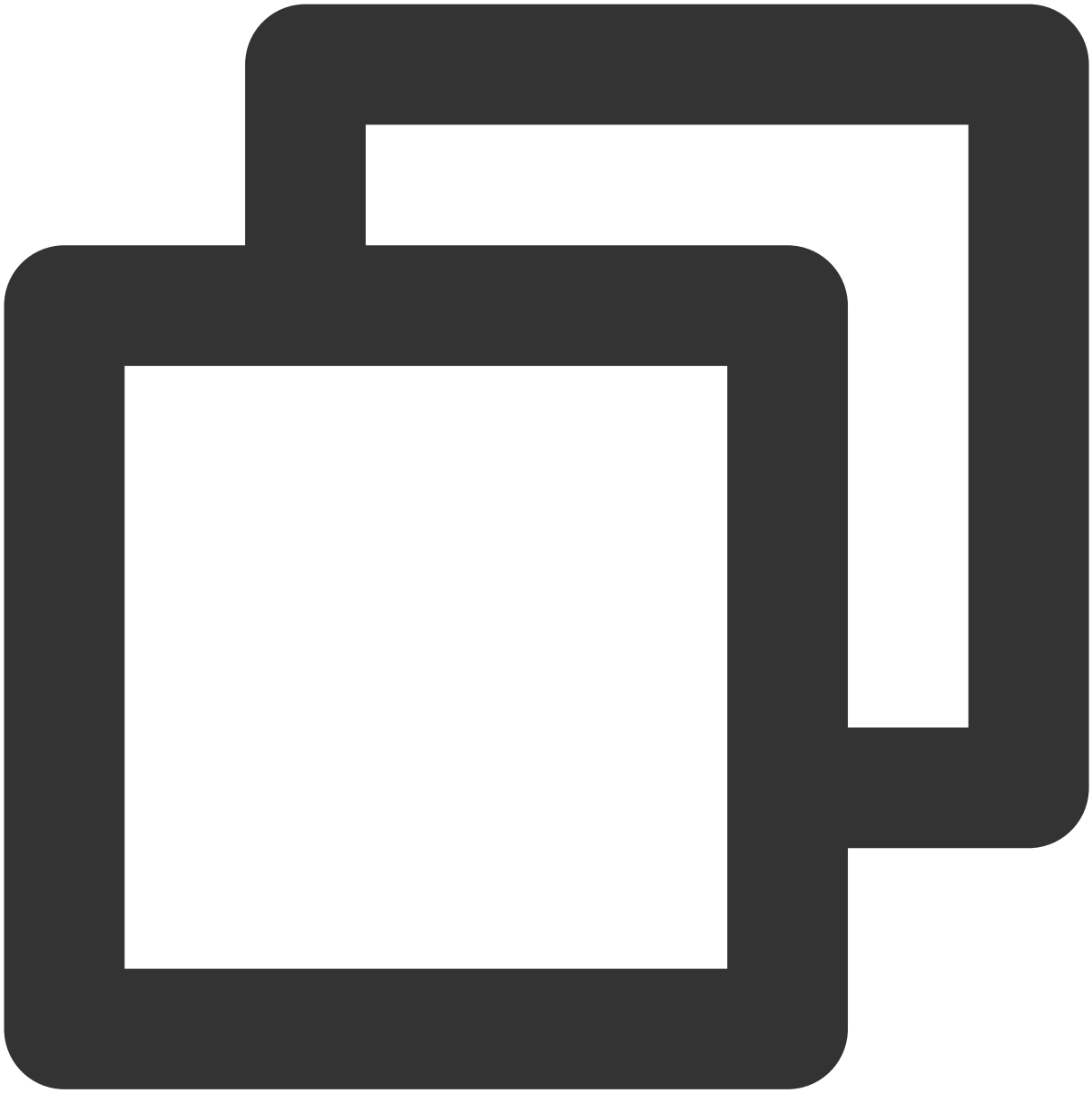
Instructions

This API is in sync mode. For the async mode, see Submitting Screenshot Job.

Sample Request

1. Via GET request

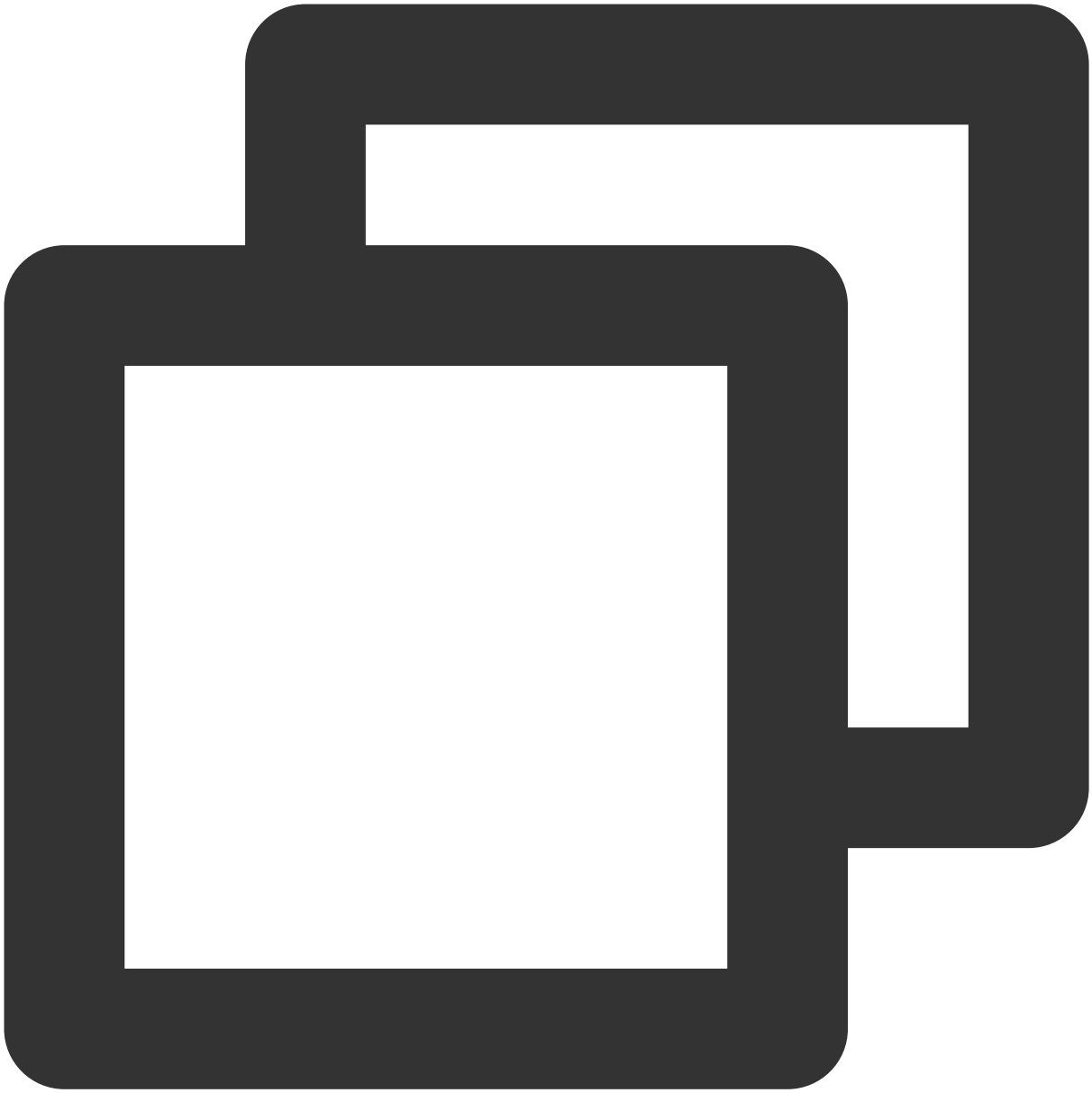
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```
GET /<ObjectKey>?ci-process=snapshot&time=1&format=jpg HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
```

2. Via adding parameters to URL

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```
https://<BucketName-APPID>.cos.<Region>.myqcloud.com/for-test.mp4?ci-process=snapsh
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

<ObjectKey> is the bucket object.

Request headers

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This API only uses common request headers. For more information, see Common Request Headers.

Request parameters

The parameters are described as follows:

Parameter	Description	Type	Required
ci-process	Operation type, which is fixed at `snapshot`.	String	Yes
time	Screenshot time point in seconds.	float	Yes
width	Screenshot width. Default value: `0`.	Int	No
height	Screenshot height. Default value: `0`. If `width` and `height` are both `0`, the width and height of the video are used. If one of them is `0`, the other value is used to automatically adapt to the aspect ratio of the video.	Int	No
format	Screenshot format. Valid values: `jpg`, `png`. Default value: `jpg`.	String	No
rotate	Image rotation method auto: Rotate automatically according to the video rotation information. off: Do not rotate. Default value: `auto`.	String	No
mode	Frame capturing method keyframe: Capture the last keyframe before the specified time point. exactframe: Capture the frame at a specified time point. Default value: `exactframe`.	String	No

Request body

This request does not have a request body.

Response

Response headers

This response contains common response headers. For more information, see Common Response Headers.

Response body

The response body is the screenshot file content.

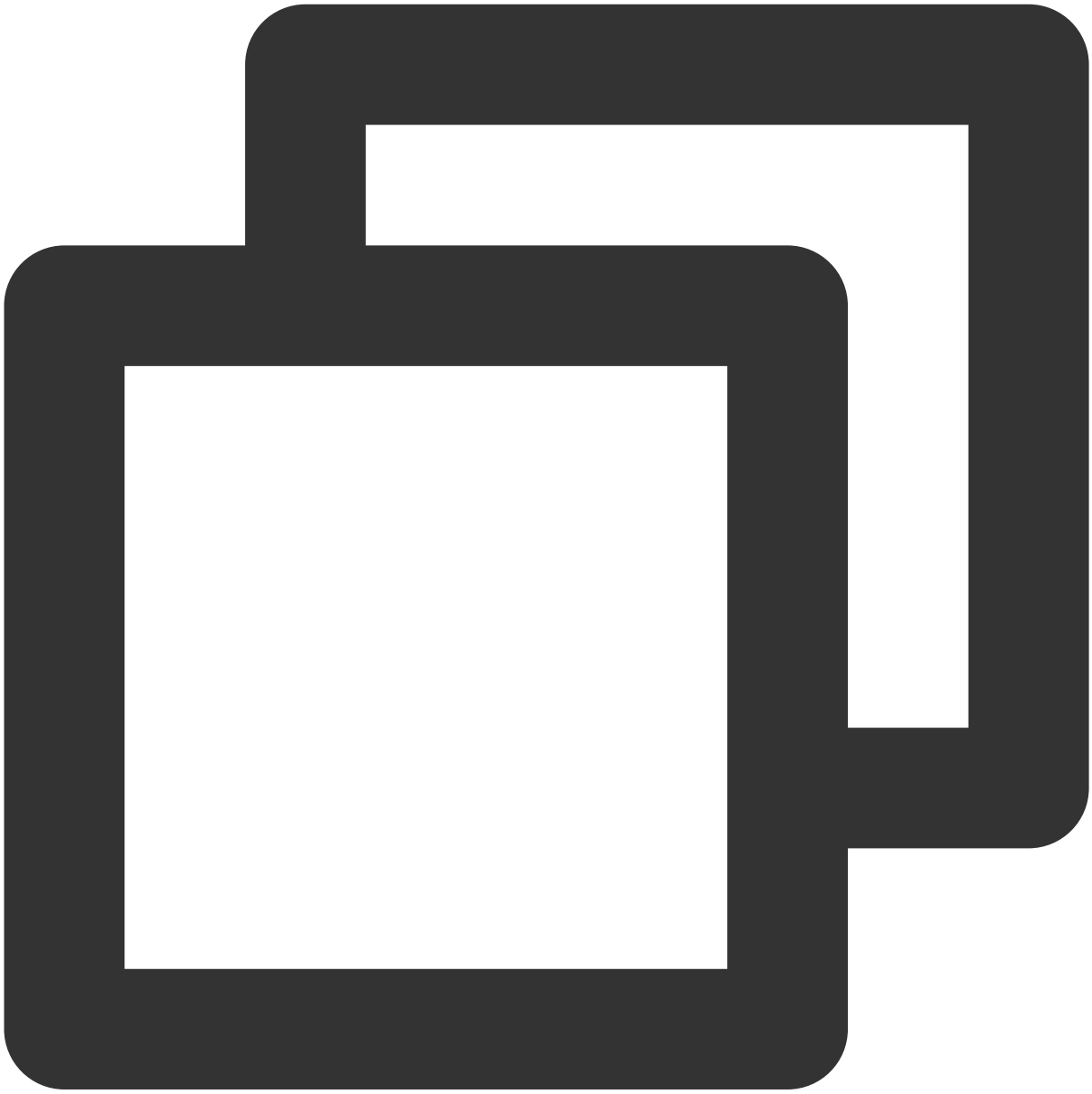
Error codes

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There are no special error messages for this request operation. For common error messages, see Error Codes.

Samples

Request 1. GET request

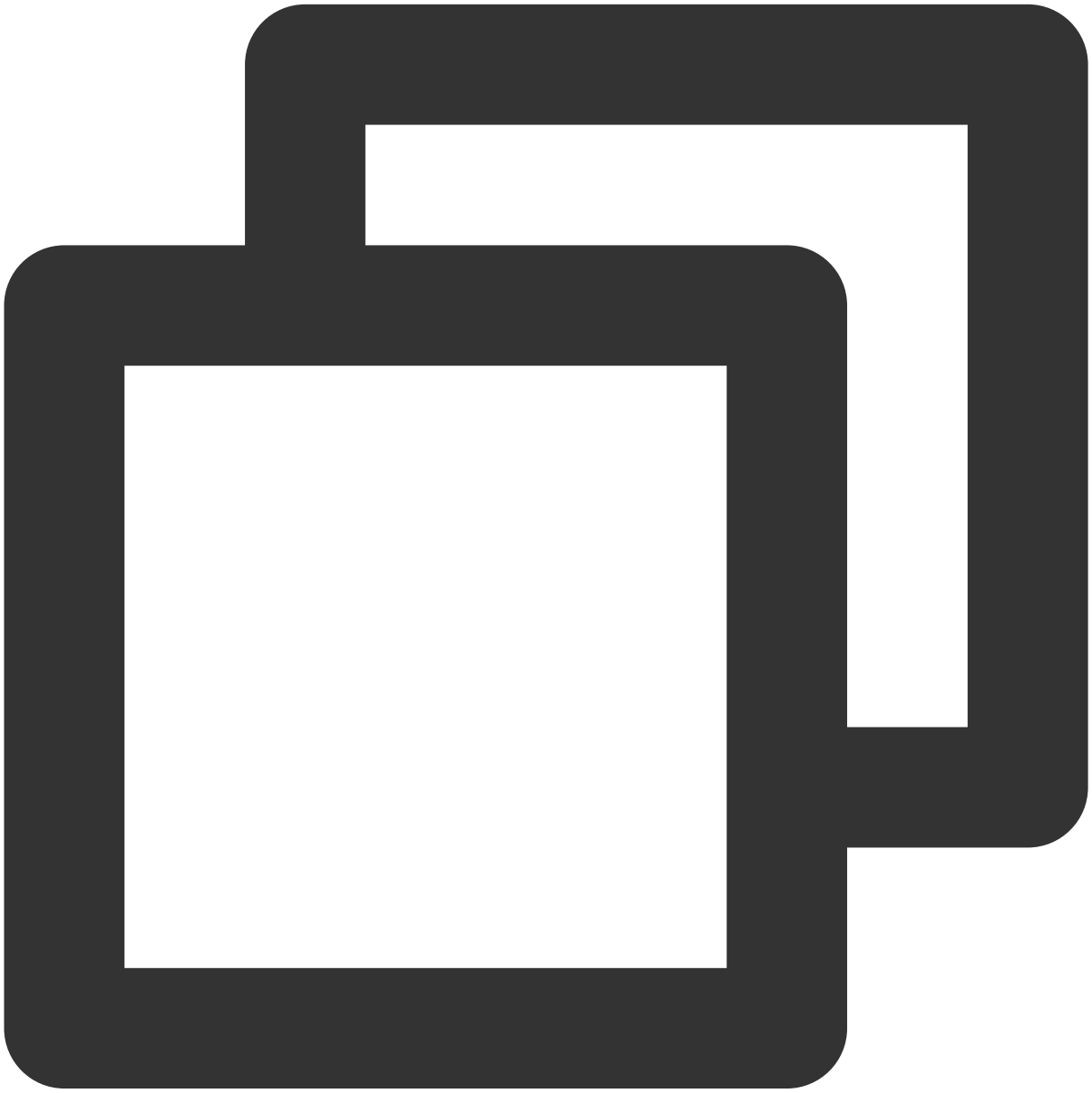


```
GET /for-test.mp4?ci-process=snapshot&time=1.5 HTTP/1.1
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
Date: Fri, 10 Mar 2016 09:45:46 GMT
```

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```
Authorization: q-sign-algorithm=sha1&q-ak=AKIDWtTCBYjM5OwLB9CAwA1Qb2ThTSUjfG****-si
Content-Length: 0
```

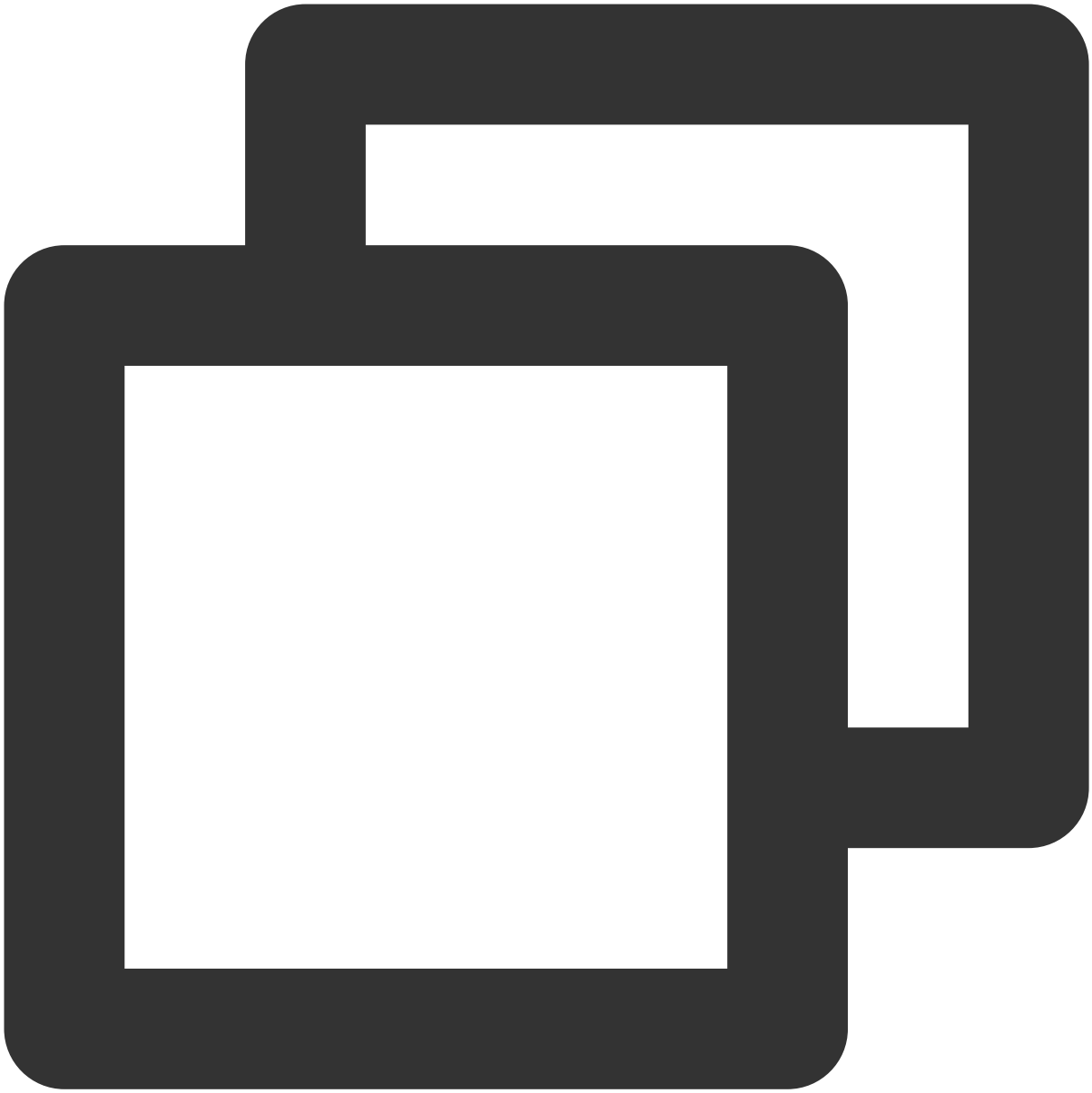
Request 2. Adding parameters to URL



```
https://examplebucket-1250000000.cos.ap-beijing.myqcloud.com/for-test.mp4?ci-proces
```

Response

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```
HTTP/1.1 200 OK
Content-Type: image/jpeg
Content-Length: 266005
Connection: keep-alive
Date: Fri, 10 Mar 2016 09:45:46 GMT
Server: tencent-ci
x-cos-request-id: NTg3NzRiMjVfYmRjMzVfMTViMl82ZGZmNw==



<Image content>
```

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Getting Media File Screenshot (CI Domain Name)

Last updated：2024-02-18 17:02:09

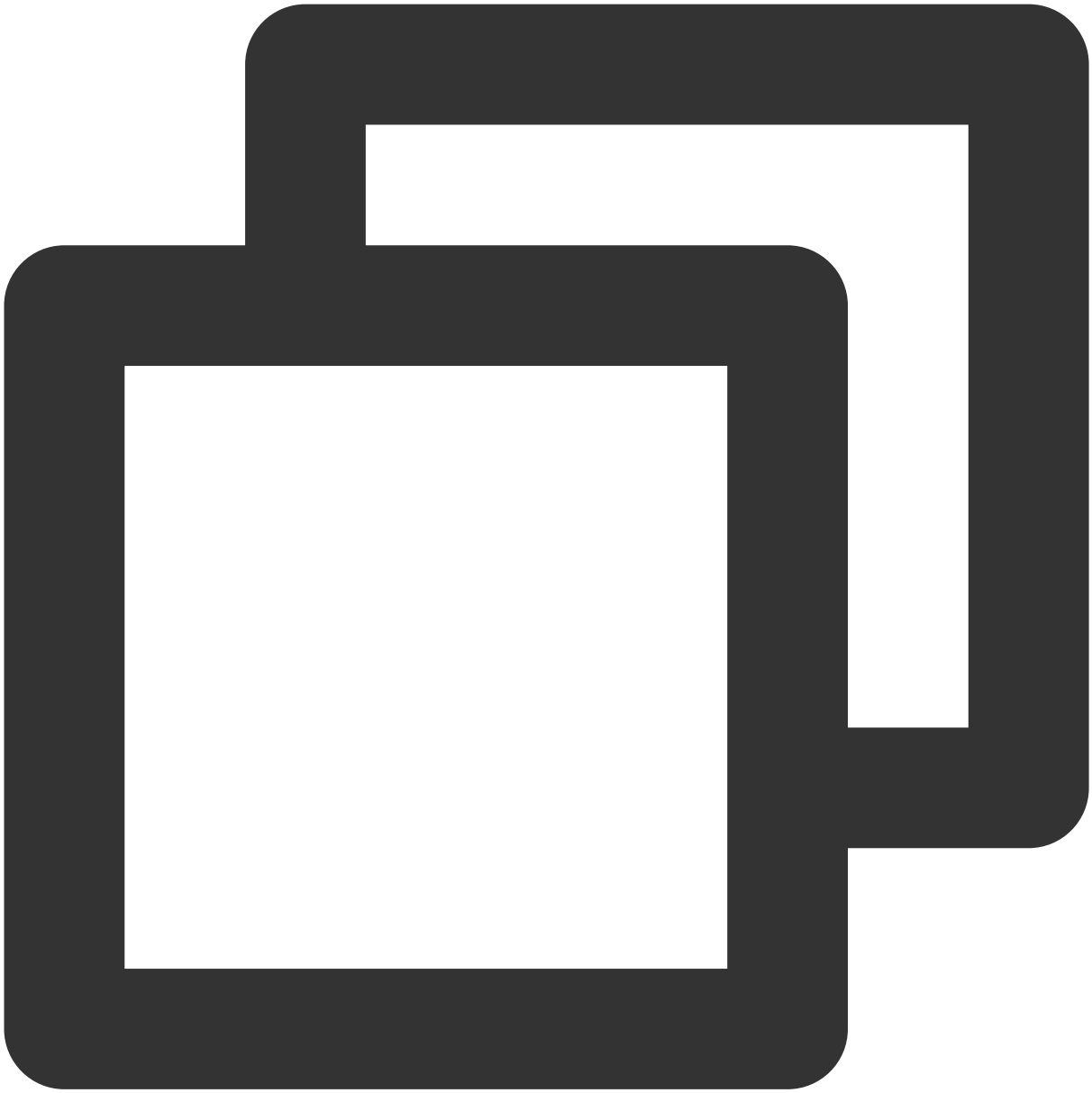
Feature Description

This API (`GenerateSnapshot`) is used to get a screenshot of a media file at some time point. All output screenshots are in JPEG format.

Request

Sample request

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```
POST /snapshot HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-type: application/xml

<body>
```

Note:

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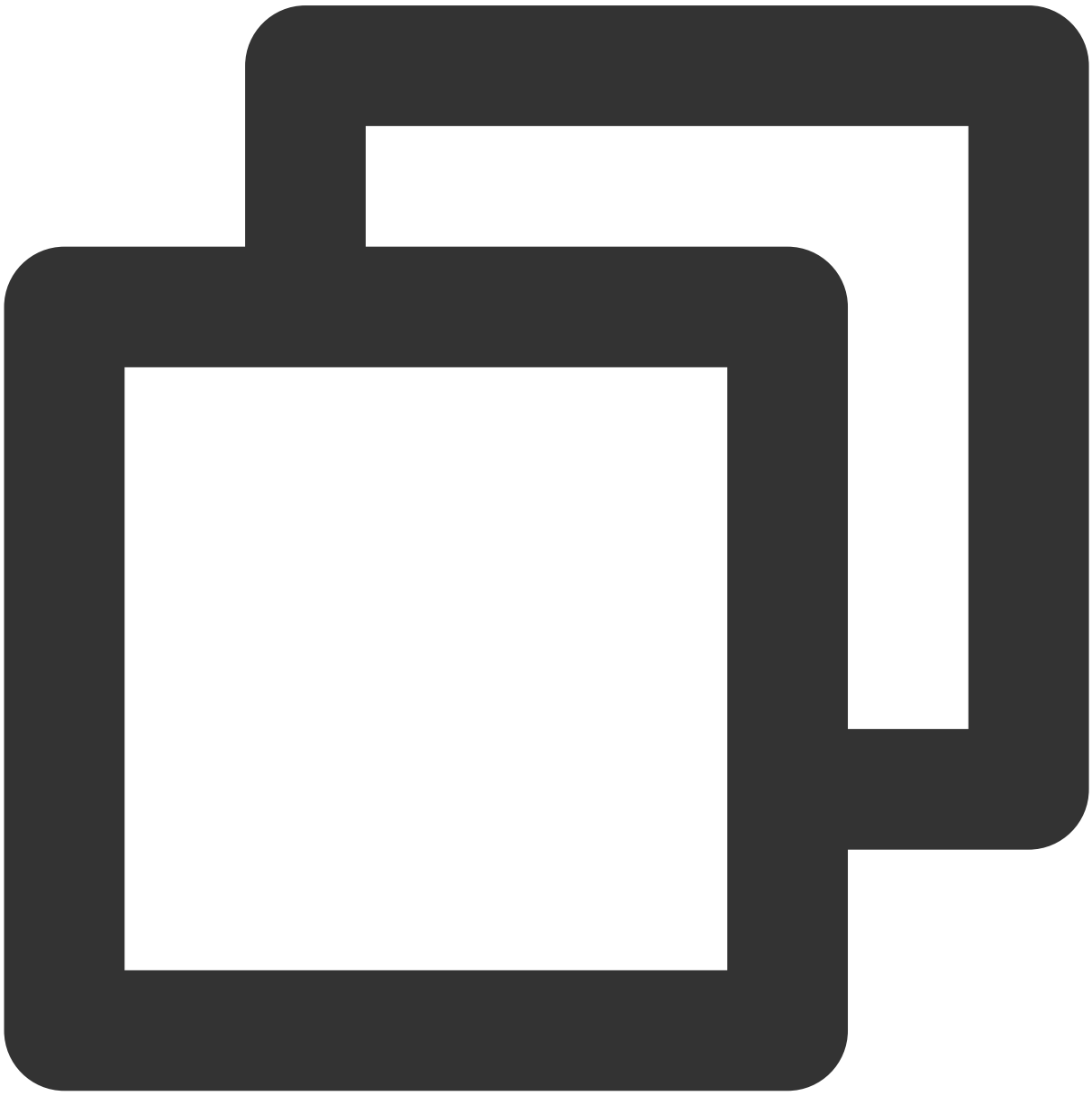
Authorization: Auth String (for more information, see Request Signature).
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

Nodes of the request body for this API are as follows:



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```
<Request>
  <Input>
    <Object></Object>
  </Input>
  <Time></Time>
  <Width></Width>
  <Height></Height>
  <Mode></Mode>
  <Rotate></Rotate>
  <Format></Format>
  <Output>
    <Region></Region>
    <Bucket></Bucket>
    <Object></Object>
  </Output>
</Request>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	`Generate Snapshot` request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Input	Request	Media file location information.	Container	Yes
Time	Request	Screenshot time point in seconds.	Float	Yes
Output	Request	Screenshot storage location information.	Container	Yes
Width	Request	Screenshot width. Default value: 0.	Int	No
Height	Request	Screenshot height. Default value: 0. If `Width` and `Height` are both `0`, the width and height of the video are used. If one of them is `0`, the other value is used to automatically adapt to the aspect ratio of the video.	Int	No
Format	Request	Screenshot format. Valid values: jpg, png. Default value: jpg.	String	No

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Mode	Request	Frame capturing method: keyframe: Capture the last keyframe before the specified time point. exactframe: Capture the frame at a specified time point. Default value: exactframe	String	No
Rotate	Request	Image rotation method: auto: Rotate automatically according to the video rotation information. off: Do not rotate. Default value: auto	String	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Filename	String	Yes

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Output	Bucket region	String	Yes
Bucket	Request.Output	File bucket	String	Yes
Object	Request.Output	Filename	String	Yes

Response

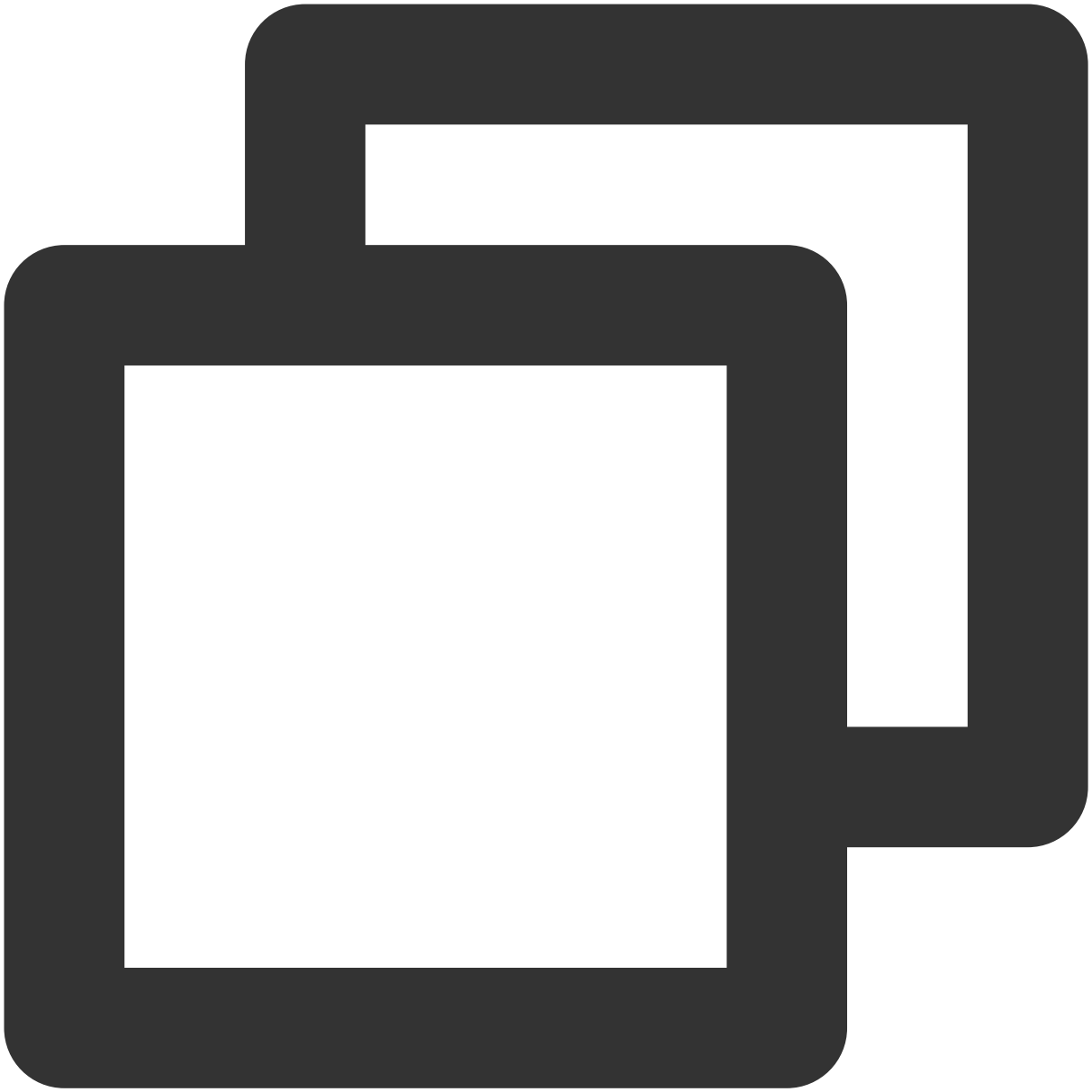
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
  <Output>
    <Region></Region>
    <Bucket></Bucket>
    <Object></Object>
  </Output>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type

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Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Output	Request	Screenshot storage location information	Container

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.Output	Bucket region	String
Bucket	Response.Output	File bucket	String
Object	Response.Output	Filename	String

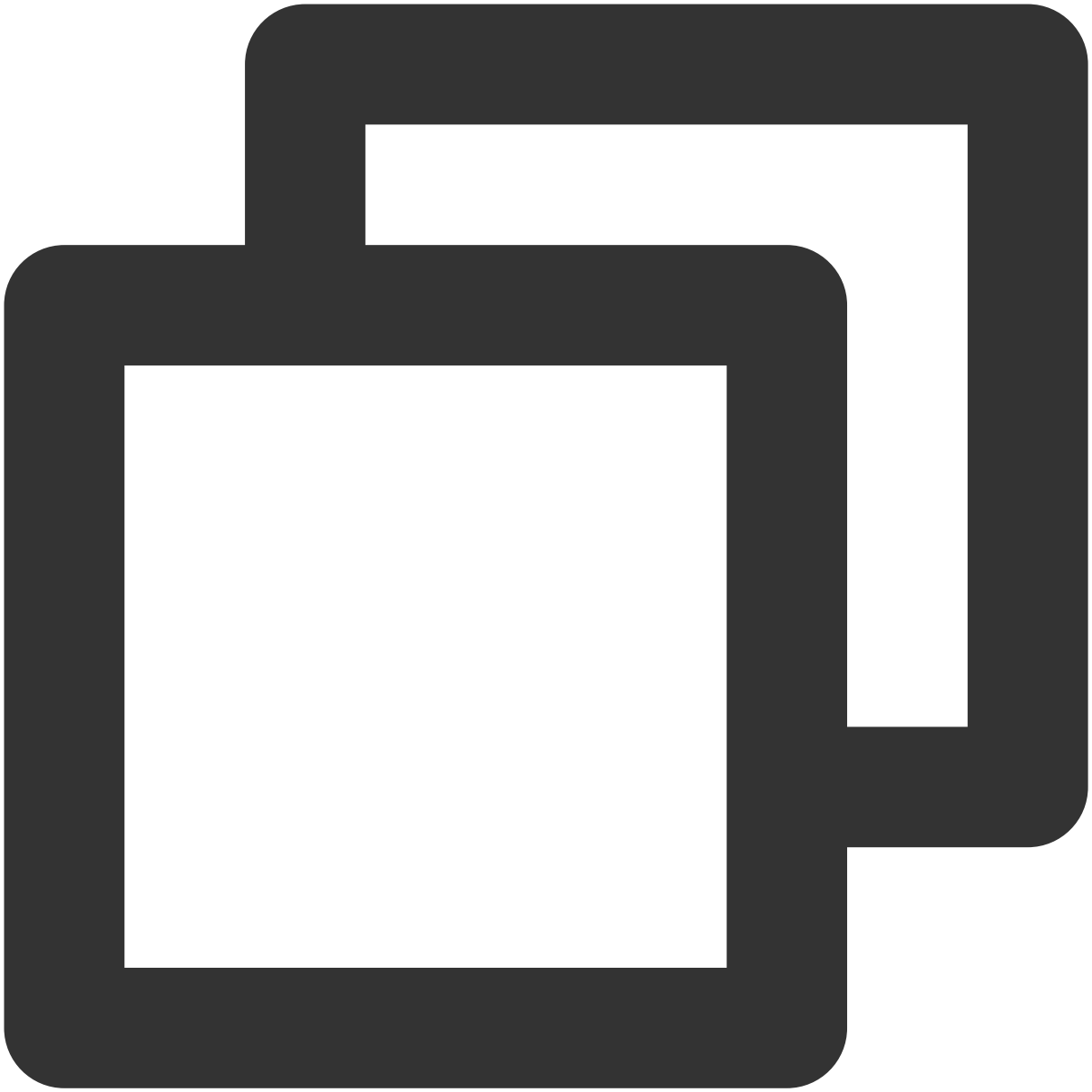
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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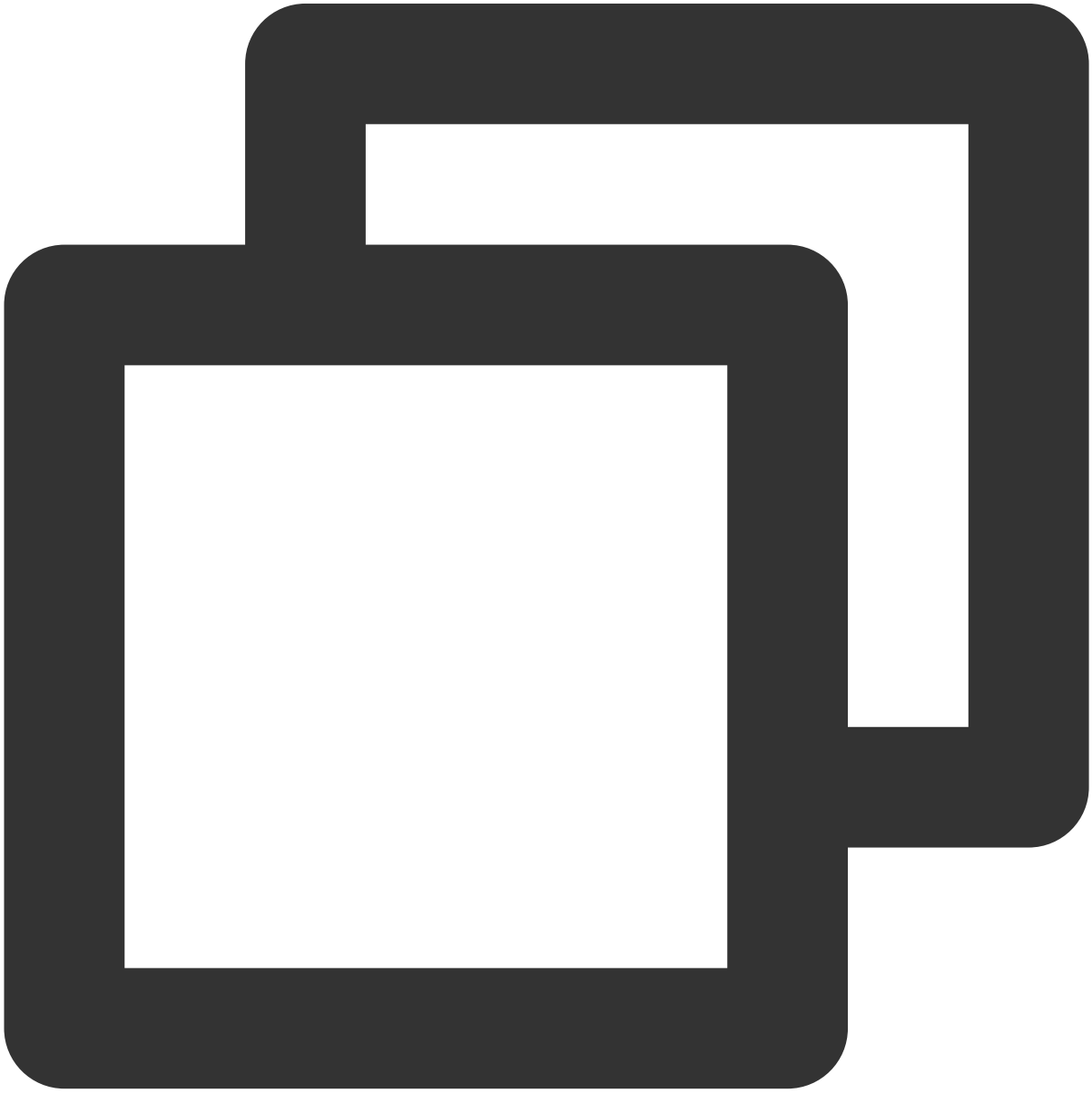
```
POST /snapshot HTTP/1.1
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Date: Fri, 10 Mar 2016 09:45:46 GMT
Authorization: q-sign-algorithm=sha1&q-ak=AKIDWtTCBYjM5OwLB9CAwA1Qb2ThTSUj****&q-si
Content-Length: 552
Content-Type: application/xml

<Request>
  <Input>
    <Object>video-for-test.mp4</Object>
  </Input>
```

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```
    <Time>10</Time>
    <Output>
      <Region>ap-beijing</Region>
      <Bucket>ci-output-1250000000</Bucket>
      <Object>snapshot/video-for-test-snapshot.jpg</Object>
    </Output>
</Request>
```

Response



```
HTTP/1.1 200 OK
```

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```
Content-Type: application/xml
Content-Length: 266
Connection: keep-alive
Date: Fri, 10 Mar 2016 09:45:46 GMT
Server: tencent-ci
x-ci-request-id: NTg3NzRiMjVfYmRjMzVfMTViMl82ZGZm****

<Response>
  <Output>
    <Region>ap-beijing</Region>
    <Bucket>ci-output-1250000000</Bucket>
    <Object>snapshot/video-for-test-snapshot.jpg</Object>
  </Output>
</Response>
```

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GenerateSnapshot

Last updated：2024-02-18 17:02:09

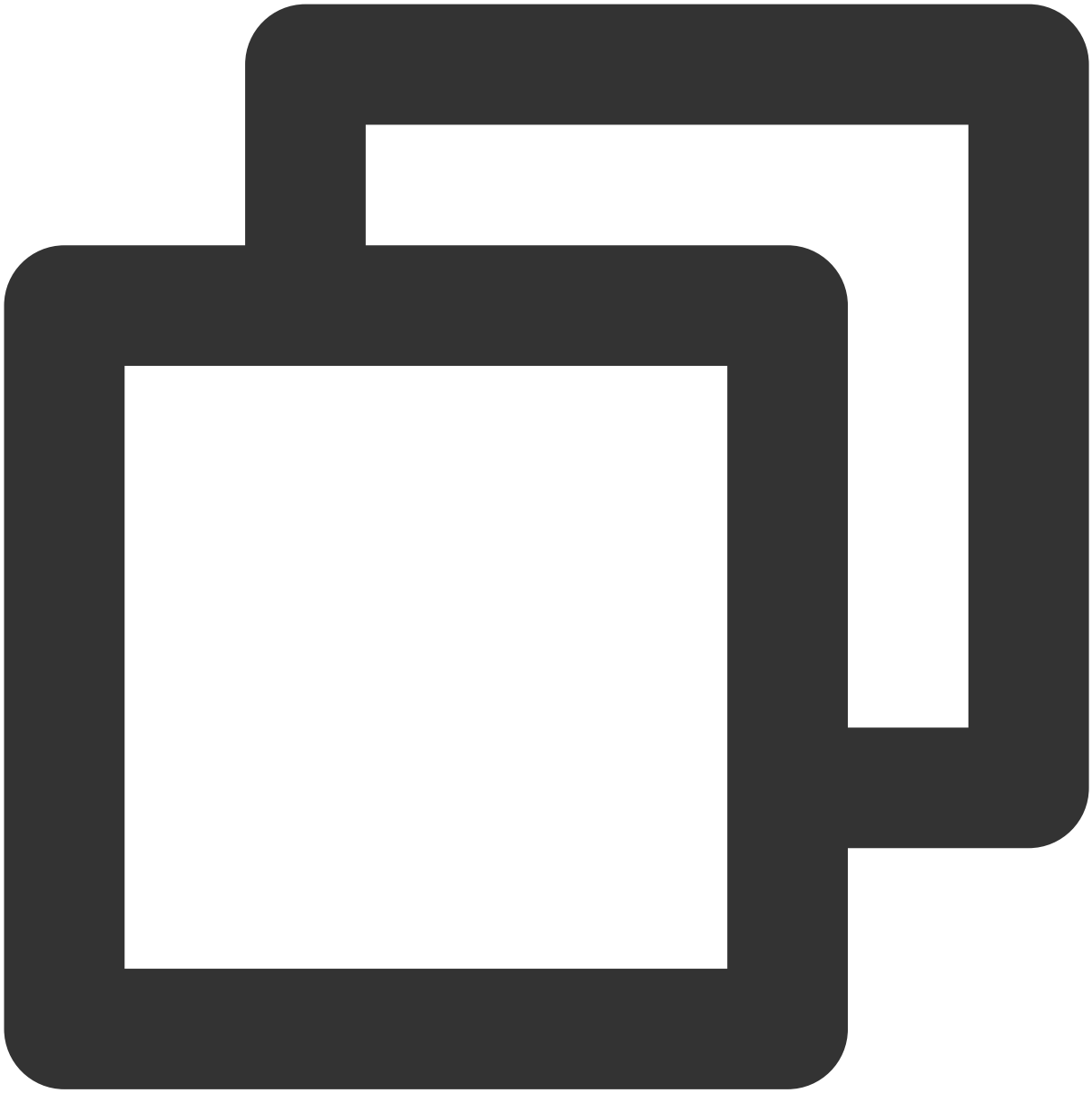
Feature Description

This API (`GenerateSnapshot`) is used to get a screenshot of a media file at some time point. All output screenshots are in JPEG format.

Request

Sample request

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```
POST /snapshot HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-type: application/xml

<body>
```

Note:

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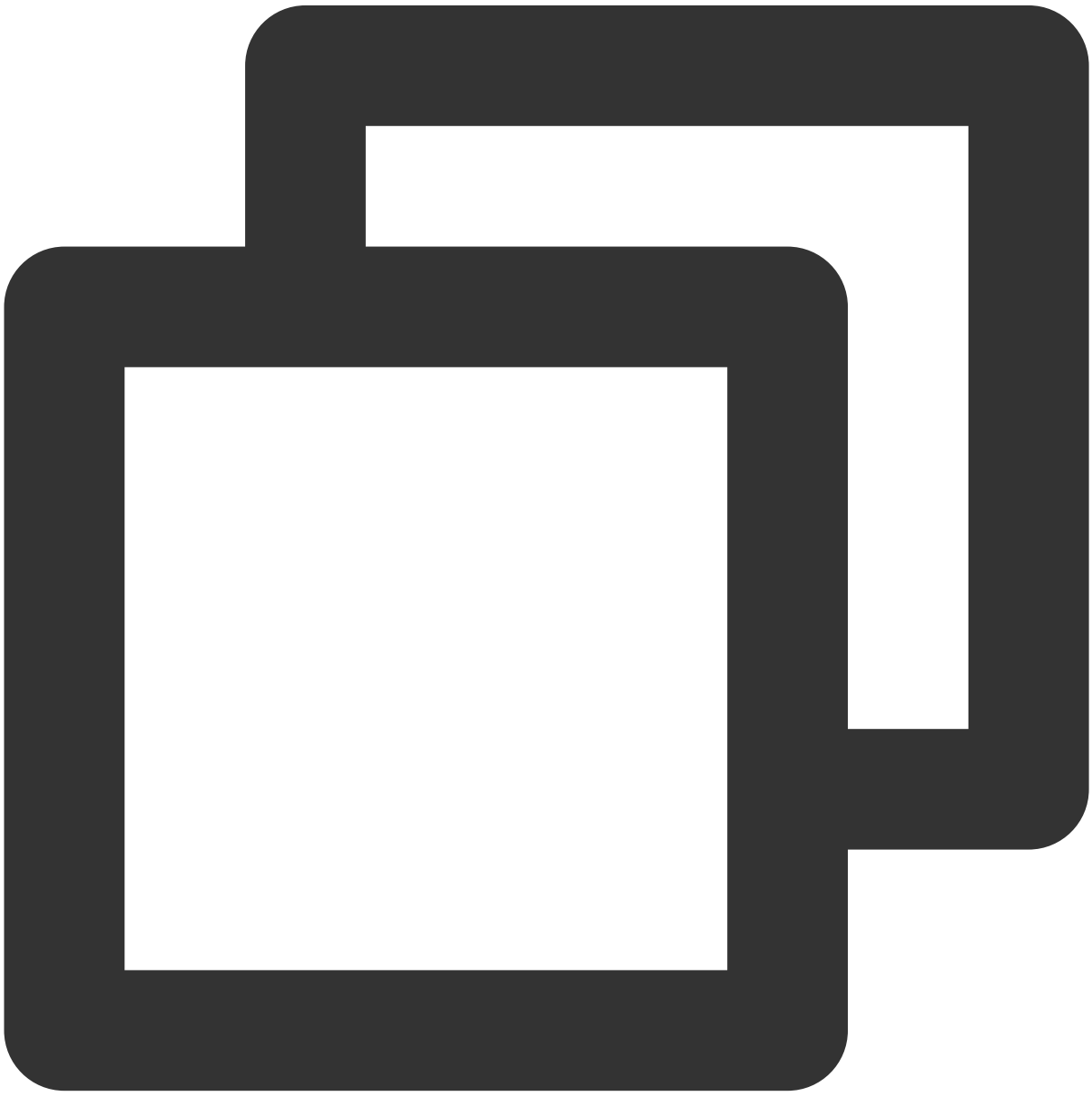
Authorization: Auth String (for more information, see Request Signature).
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

Nodes of the request body for this API are as follows:



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```
<Request>
  <Input>
    <Object></Object>
  </Input>
  <Time></Time>
  <Width></Width>
  <Height></Height>
  <Mode></Mode>
  <Rotate></Rotate>
  <Format></Format>
  <Output>
    <Region></Region>
    <Bucket></Bucket>
    <Object></Object>
  </Output>
</Request>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	`Generate Snapshot` request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Input	Request	Media file location information.	Container	Yes
Time	Request	Screenshot time point in seconds.	Float	Yes
Output	Request	Screenshot storage location information.	Container	Yes
Width	Request	Screenshot width. Default value: 0.	Int	No
Height	Request	Screenshot height. Default value: 0. If Width and Height are both 0, the width and height of the video are used. If one of them is 0, the other value is used to automatically adapt to the aspect ratio of the video.	Int	No
Format	Request	Screenshot format. Valid values: jpg, png. Default value: jpg.	String	No

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Mode	Request	Frame capturing method: keyframe: Capture the last keyframe before the specified time point. exactframe: Capture the frame at a specified time point. Default value: exactframe.	String	No
Rotate	Request	Image rotation method. auto: Rotate automatically according to the video rotation information. off: Do not rotate. Default value: auto.	String	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Filename	String	Yes

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Output	Bucket region	String	Yes
Bucket	Request.Output	File bucket	String	Yes
Object	Request.Output	Filename	String	Yes

Response

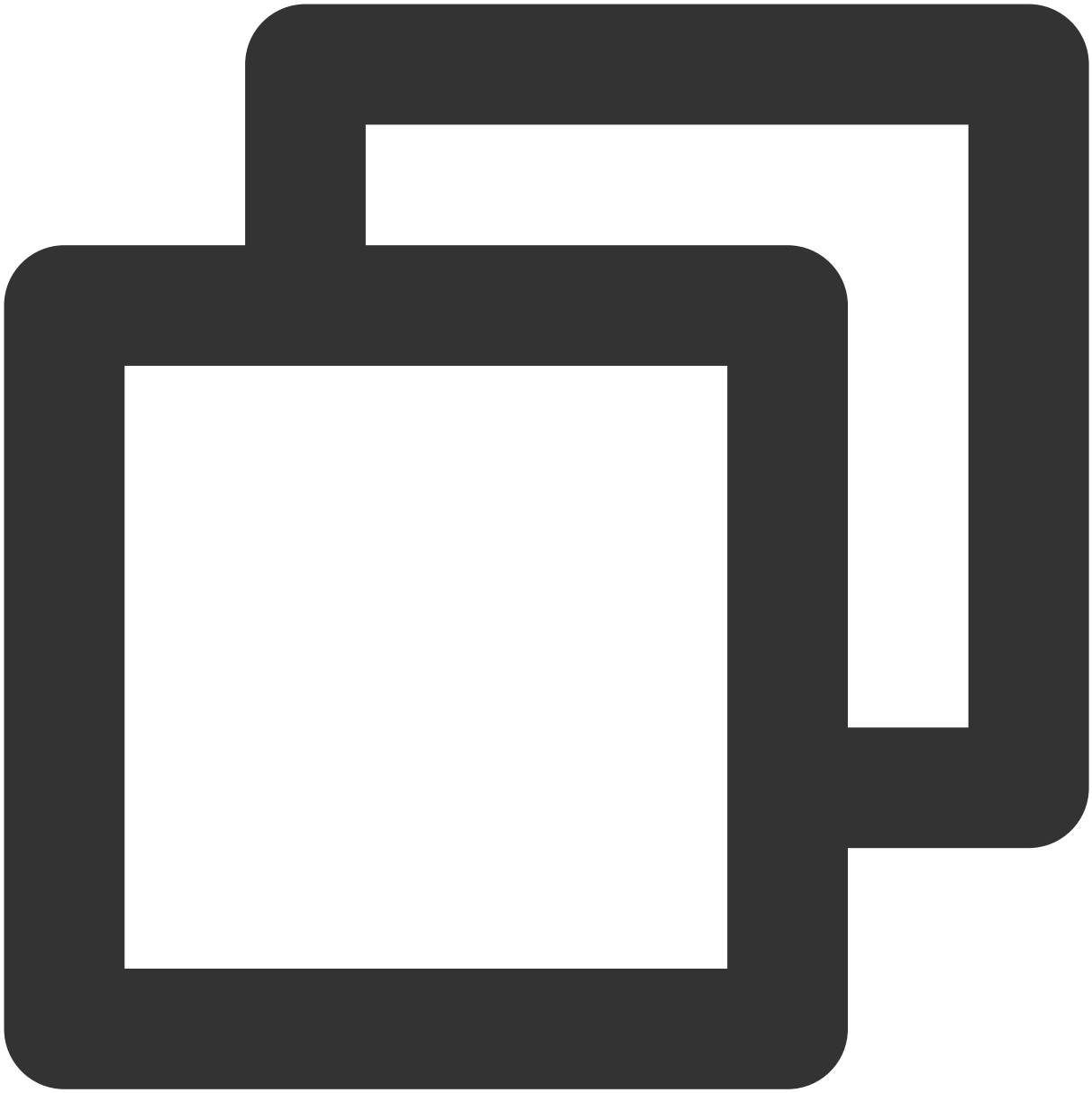
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
  <Output>
    <Region></Region>
    <Bucket></Bucket>
    <Object></Object>
  </Output>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type

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Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Output	Request	Screenshot storage location information	Container

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.Output	Bucket region	String
Bucket	Response.Output	File bucket	String
Object	Response.Output	Filename	String

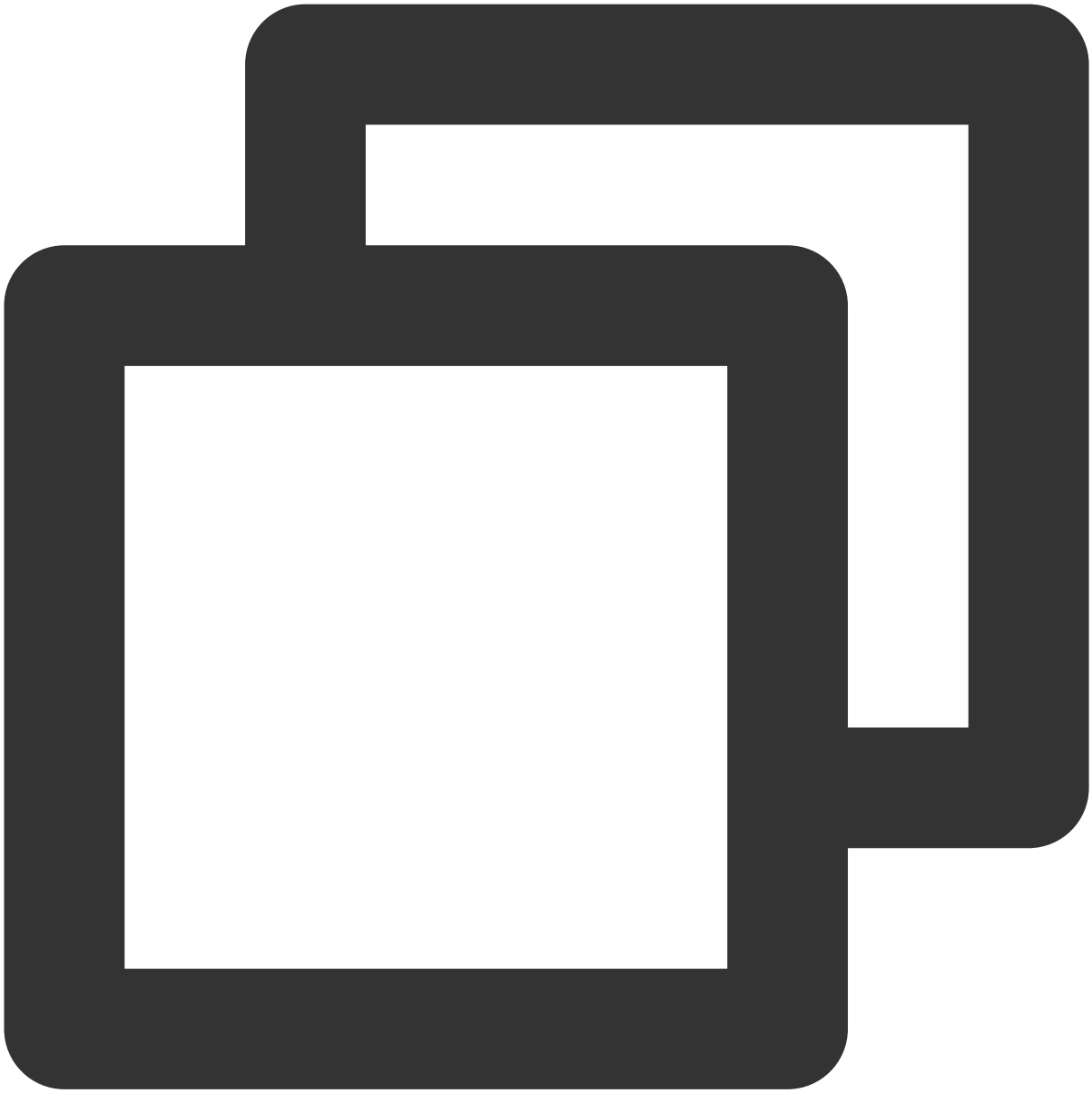
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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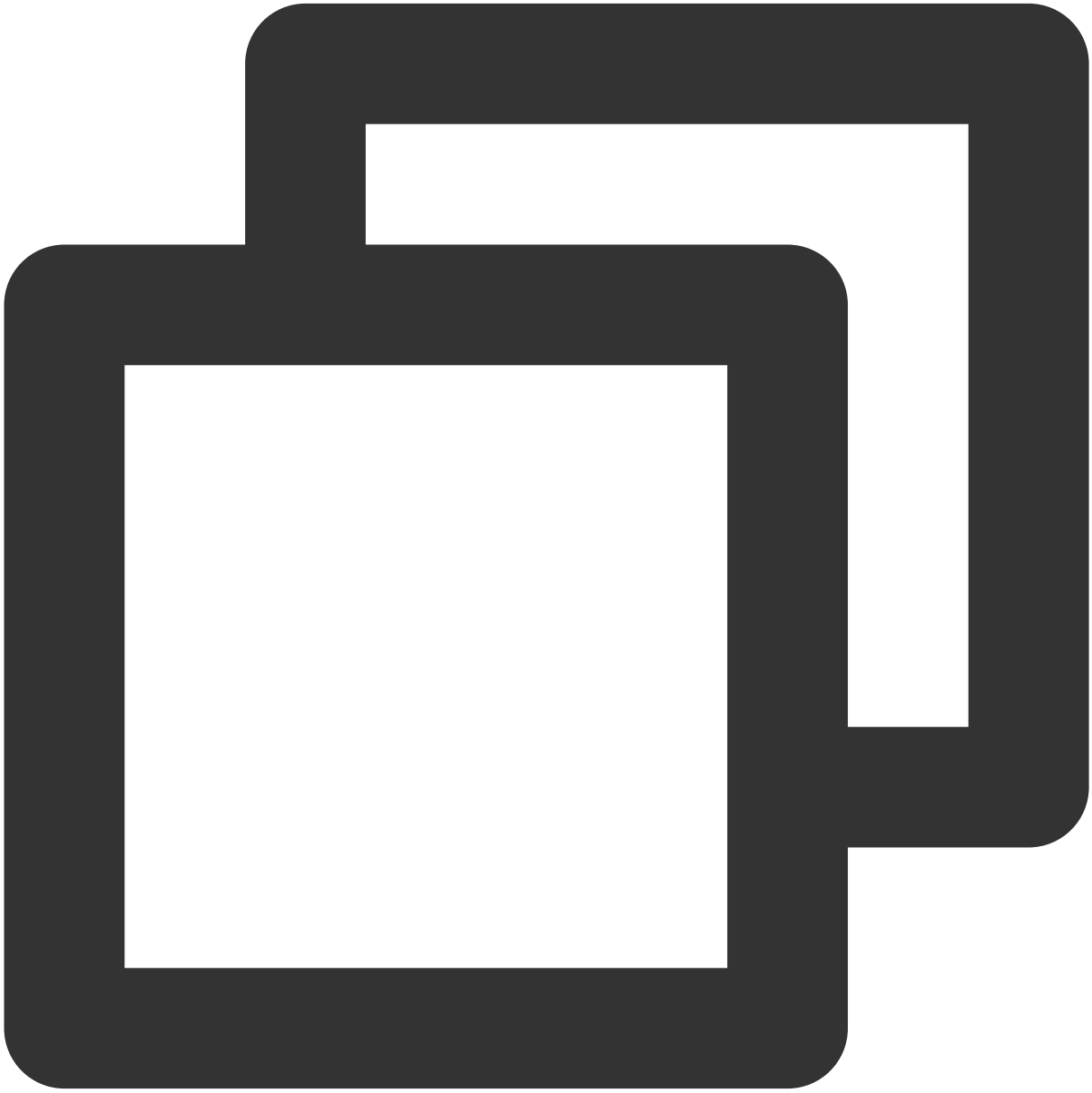
```
POST /snapshot HTTP/1.1
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Date: Fri, 10 Mar 2016 09:45:46 GMT
Authorization: q-sign-algorithm=sha1&q-ak=AKIDWtTCBYjM5OwLB9CAwA1Qb2ThTSUj****&q-si
Content-Length: 552
Content-Type: application/xml

<Request>
  <Input>
    <Object>video-for-test.mp4</Object>
  </Input>
```

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```
    <Time>10</Time>
    <Output>
      <Region>ap-beijing</Region>
      <Bucket>ci-output-1250000000</Bucket>
      <Object>snapshot/video-for-test-snapshot.jpg</Object>
    </Output>
</Request>
```

Response



```
HTTP/1.1 200 OK
```

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```
Content-Type: application/xml
Content-Length: 266
Connection: keep-alive
Date: Fri, 10 Mar 2016 09:45:46 GMT
Server: tencent-ci
x-ci-request-id: NTg3NzRiMjVfYmRjMzVfMTViMl82ZGZm****

<Response>
  <Output>
    <Region>ap-beijing</Region>
    <Bucket>ci-output-1250000000</Bucket>
    <Object>snapshot/video-for-test-snapshot.jpg</Object>
  </Output>
</Response>
```

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Getting Media Information
Getting Media File Information

Last updated：2024-02-18 17:02:09

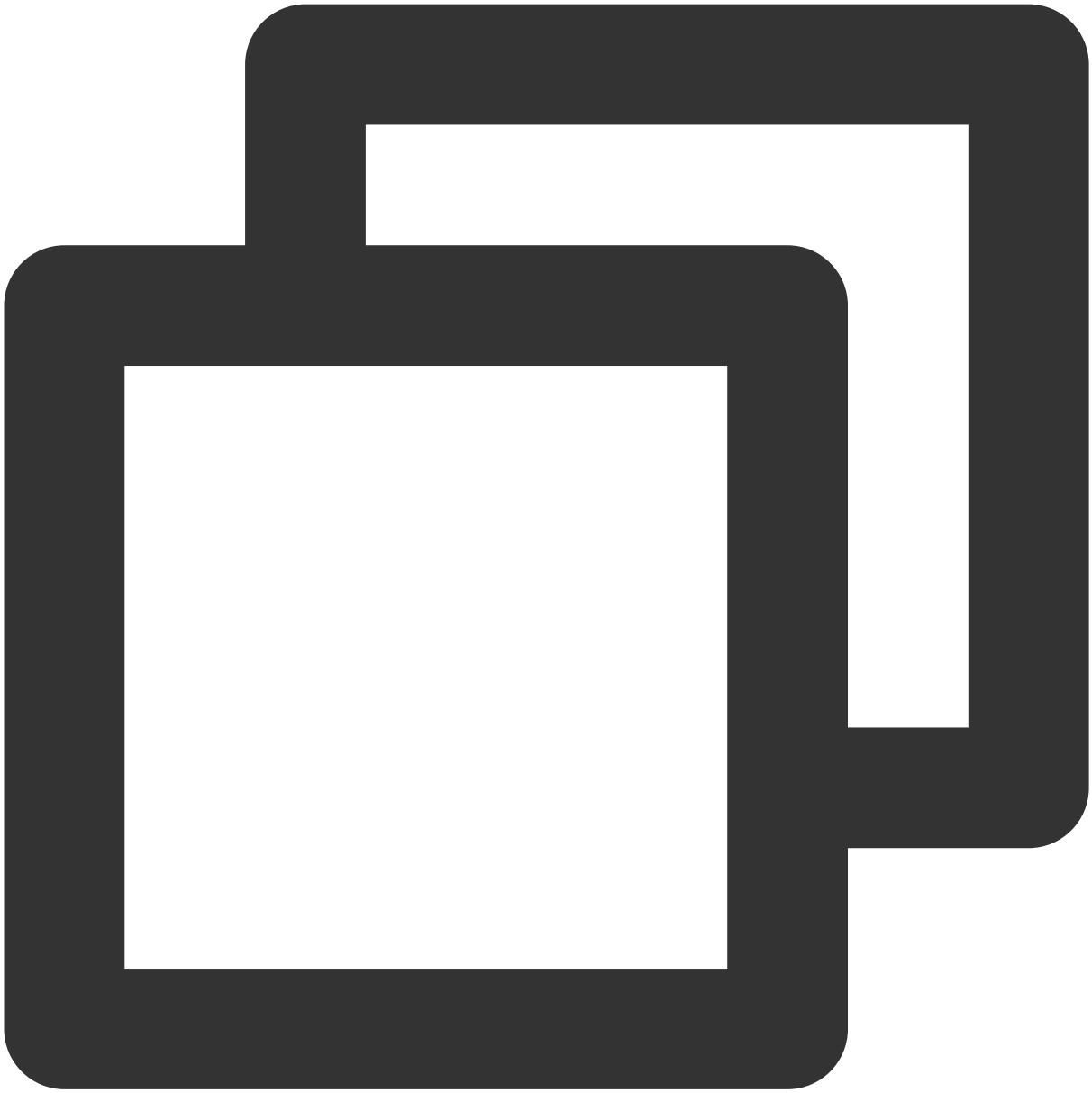
Feature Description

This API is used to get media file information.

Request

Sample request

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```
GET /<ObjectKey>?ci-process=videoinfo HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity .

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request parameters

The parameters are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
ci-process	None	Operation type, which is fixed at `videoinfo`.	String	Yes

Request body

This request does not have a request body.

Response

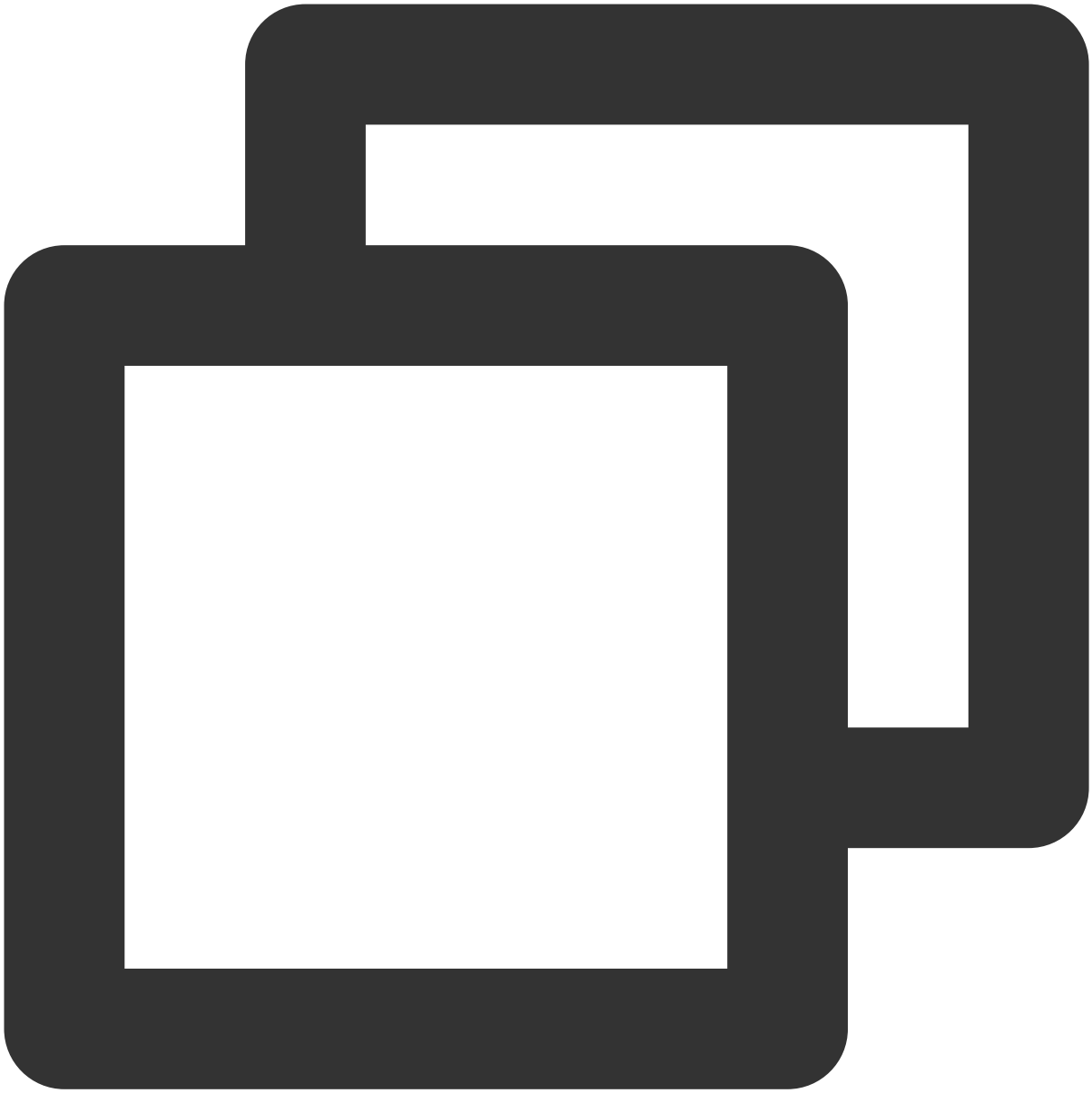
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
      <MediaInfo>
         <Stream>
            <Video>
                <Index></Index>
                <CodecName></CodecName>
                <CodecLongName></CodecLongName>
                <CodecTimeBase></CodecTimeBase>
                <CodecTagString></CodecTagString>
                <CodecTag></CodecTag>
                <ColorPrimaries></ColorPrimaries>
```

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```
                <ColorRange></ColorRange>
                <ColorTransfer></ColorTransfer>
                <Profile></Profile>
                <Width></Width>
                <Height></Height>
                <HasBFrame></HasBFrame>
                <RefFrames></RefFrames>
                <Sar></Sar>
                <Dar></Dar>
                <PixFormat></PixFormat>
                <FieldOrder></FieldOrder>
                <Level></Level>
                <Fps></Fps>
                <AvgFps></AvgFps>
                <Timebase></Timebase>
                <StartTime></StartTime>
                <Duration></Duration>
                <Bitrate></Bitrate>
                <NumFrames></NumFrames>
                <Language></Language>
            </Video>
            <Audio>
                <Index></Index>
                <CodecName></CodecName>
                <CodecLongName></CodecLongName>
                <CodecTimeBase></CodecTimeBase>
                <CodecTagString></CodecTagString>
                <CodecTag></CodecTag>
                <SampleFmt></SampleFmt>
                <SampleRate></SampleRate>
                <Channel></Channel>
                <ChannelLayout></ChannelLayout>
                <Timebase></Timebase>
                <StartTime></StartTime>
                <Duration></Duration>
                <Bitrate></Bitrate>
                <Language></Language>
            </Audio>
            <Subtitle>
                <Index></Index>
                <Language></Language>
            </Subtitle>
        </Stream>
        <Format>
            <NumStream></NumStream>
            <NumProgram></NumProgram>
            <FormatName></FormatName>
```

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```
            <FormatLongName></FormatLongName>
            <StartTime></StartTime>
            <Duration></Duration>
            <Bitrate></Bitrate>
            <Size></Size>
         </Format>
      </MediaInfo>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
MediaInfo	Response	Media details.	Container

`MediaInfo` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Stream	Response.MediaInfo	Stream information.	Container
Format	Response.MediaInfo	Format information.	Container

`Stream` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Video	Response.MediaInfo.Stream	Video information.	Container
Audio	Response.MediaInfo.Stream	Audio information.	Container
Subtitle	Response.MediaInfo.Stream	Subtitle information.	Container

`Format` has the following sub-nodes (certain nodes may not be returned during video information query):

Node Name (Keyword)	Parent Node	Description	Type
NumStream	Response.MediaInfo.Format	Number of streams (including videos, audios, and subtitles).	Int

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NumProgram	Response.MediaInfo.Format	Response.MediaInfo.Format	Int
FormatName	Response.MediaInfo.Format	Container format name.	String
FormatLongName	Response.MediaInfo.Format	Detailed name of the container format.	String
StartTime	Response.MediaInfo.Format	Start time in seconds.	Float
Duration	Response.MediaInfo.Format	Duration in seconds.	Float
Bitrate	Response.MediaInfo.Format	Bitrate in kbps.	Int
Size	Response.MediaInfo.Format	Size in bytes.	Int

`Video` has the following sub-nodes (certain nodes may not be returned during video information query):

Node Name (Keyword)	Parent Node	Description	Type
Index	Response.MediaInfo.Stream.Video	Stream number.	Int
CodecName	Response.MediaInfo.Stream.Video	Codec format name.	String
CodecLongName	Response.MediaInfo.Stream.Video	Detailed name of the codec format.	String
CodecTimeBase	Response.MediaInfo.Stream.Video	Codec timebase.	String
CodecTagString	Response.MediaInfo.Stream.Video	Codec tag name.	String
CodecTag	Response.MediaInfo.Stream.Video	Codec tag.	String
ColorPrimaries	Response.MediaInfo.Stream.Video	Color primaries.	String
ColorRange	Response.MediaInfo.Stream.Video	Color range.	String
ColorTransfer	Response.MediaInfo.Stream.Video	Color channel.	String
Profile	Response.MediaInfo.Stream.Video	Video codec profile.	String
Height	Response.MediaInfo.Stream.Video	Video height in px.	Int
Width	Response.MediaInfo.Stream.Video	Video width in px.	Int
HasBFrame	Response.MediaInfo.Stream.Video	Whether B-frames exist. 1: Yes; 0: No.	Int
RefFrames	Response.MediaInfo.Stream.Video	Number of reference frames for video codec.	Int
Sar	Response.MediaInfo.Stream.Video	Sample aspect ratio.	String

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Dar	Response.MediaInfo.Stream.Video	Display aspect ratio.	String
PixFormat	Response.MediaInfo.Stream.Video	Pixel format.	String
FieldOrder	Response.MediaInfo.Stream.Video	Field order.	String
Level	Response.MediaInfo.Stream.Video	Video codec level.	Int
Fps	Response.MediaInfo.Stream.Video	Video frame rate.	Float
AvgFps	Response.MediaInfo.Stream.Video	Average frame rate.	String
Timebase	Response.MediaInfo.Stream.Video	Timebase.	String
StartTime	Response.MediaInfo.Stream.Video	Video start time in seconds.	Float
Duration	Response.MediaInfo.Stream.Video	Video duration in seconds.	Float
Bitrate	Response.MediaInfo.Stream.Video	Bitrate in kbps.	Float
NumFrames	Response.MediaInfo.Stream.Video	Total number of frames.	Int
Language	Response.MediaInfo.Stream.Video	Language.	String

`Audio` has the following sub-nodes (certain nodes may not be returned during video information query):

Node Name (Keyword)	Parent Node	Description	Type
Index	Response.MediaInfo.Stream.Audio	Stream number.	Int
CodecName	Response.MediaInfo.Stream.Audio	Codec format name.	String
CodecLongName	Response.MediaInfo.Stream.Audio	Detailed name of the codec format.	String
CodecTimeBase	Response.MediaInfo.Stream.Audio	Codec timebase.	String
CodecTagString	Response.MediaInfo.Stream.Audio	Codec tag name.	String
CodecTag	Response.MediaInfo.Stream.Audio	Codec tag.	String
SampleFmt	Response.MediaInfo.Stream.Audio	Sample format.	String
SampleRate	Response.MediaInfo.Stream.Audio	Sample rate.	Int
Channel	Response.MediaInfo.Stream.Audio	Number of channels.	Int

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ChannelLayout	Response.MediaInfo.Stream.Audio	Channel layout.	String
Timebase	Response.MediaInfo.Stream.Audio	Timebase.	String
StartTime	Response.MediaInfo.Stream.Audio	Audio start time in seconds.	Float
Duration	Response.MediaInfo.Stream.Audio	Audio duration in seconds.	Float
Bitrate	Response.MediaInfo.Stream.Audio	Bitrate in kbps.	Float
Language	Response.MediaInfo.Stream.Audio	Language.	String

`Subtitle` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Index	Response.MediaInfo.Stream.Subtitle	Stream number.	Int
Language	Response.MediaInfo.Stream.Subtitle	Language. `und` indicates no query result.	String

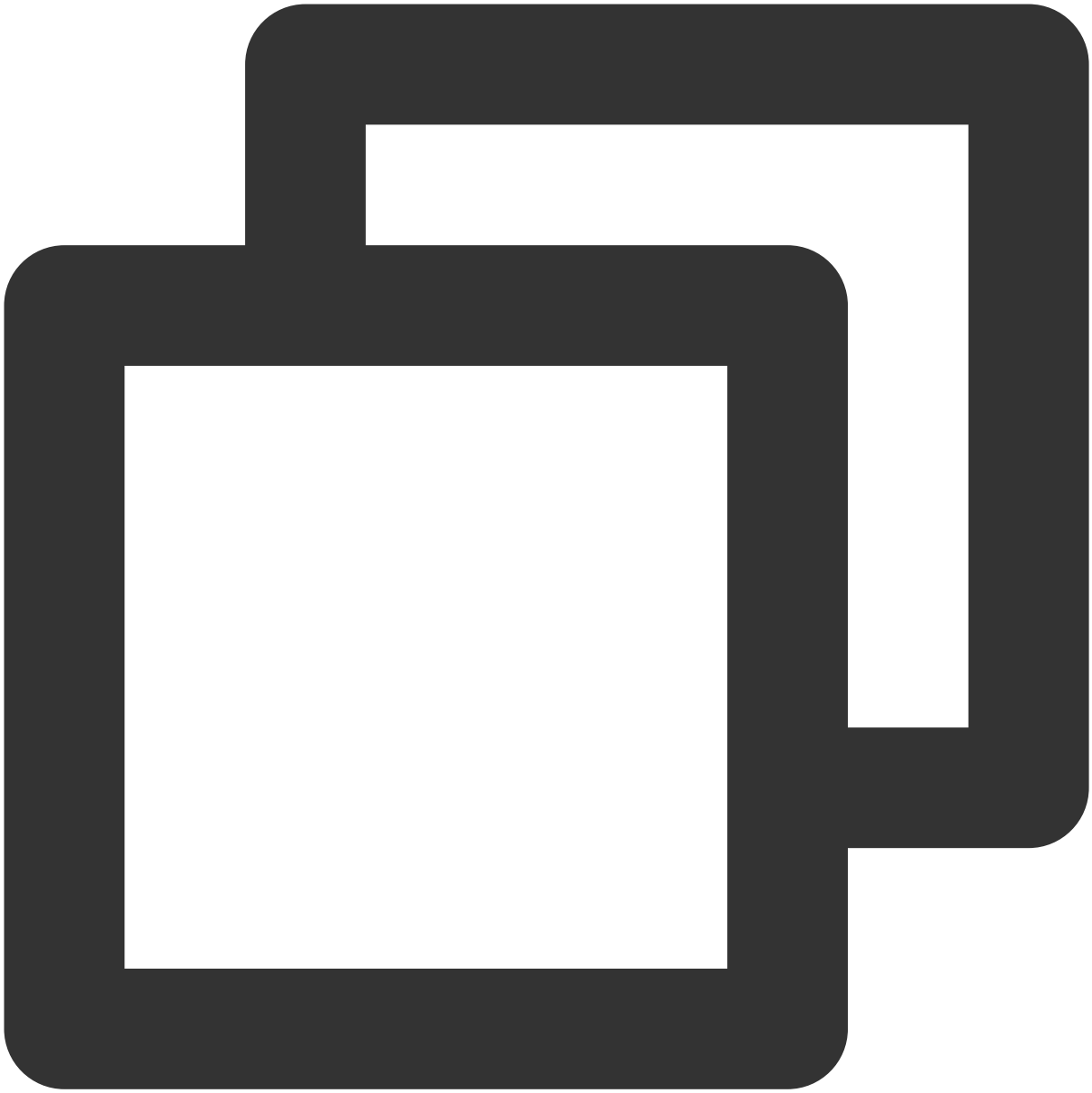
Error codes

There are no special error messages for this request operation. For common error messages, see Error Codes.

Samples

Request

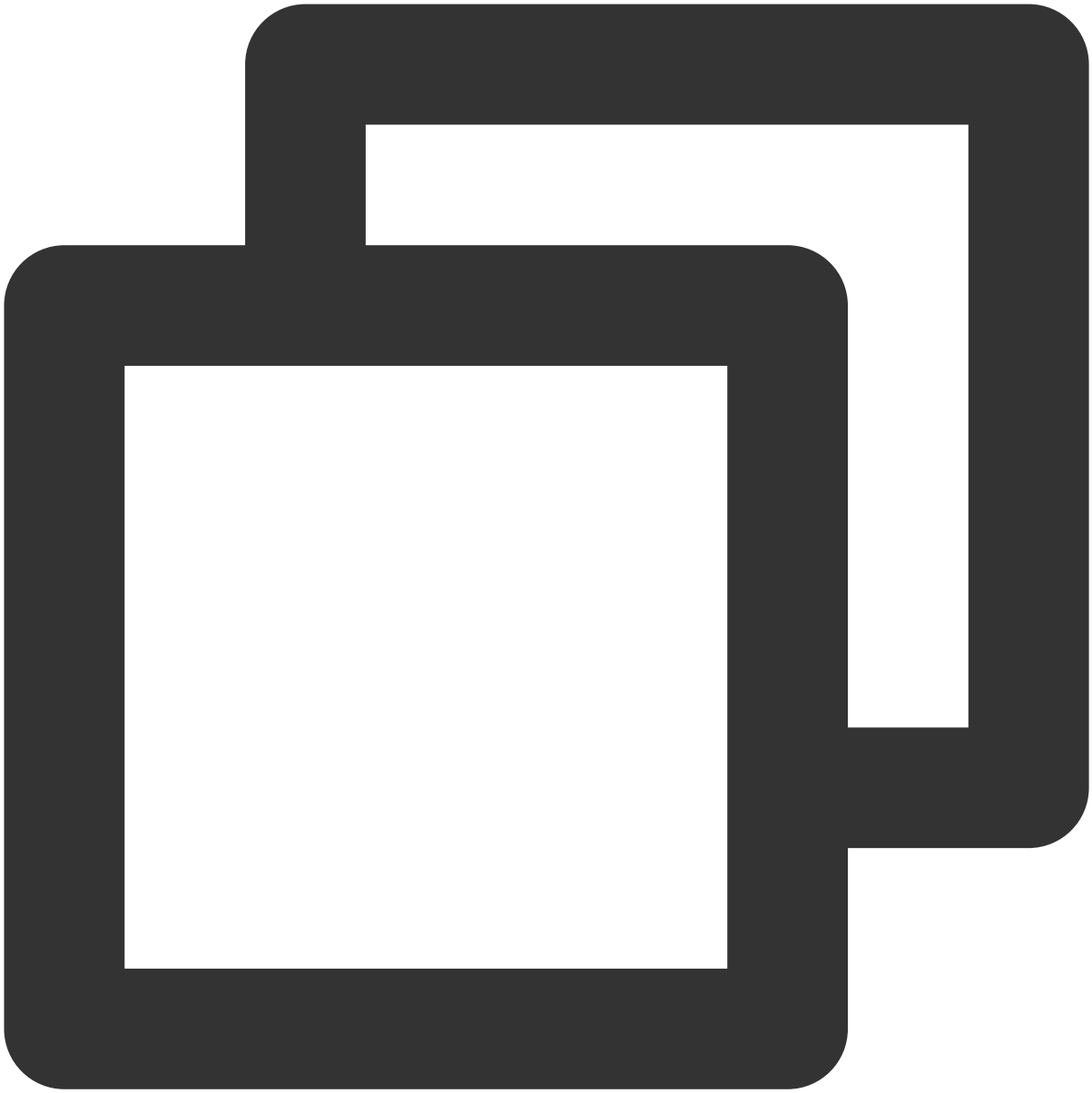
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```
GET /for-test.mp4?ci-process=videoinfo HTTP/1.1
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
Date: Fri, 10 Mar 2016 09:45:46 GMT
Authorization: q-sign-algorithm=sha1&q-ak=AKIDWtTCBYjM5OwLB9CAwA1Qb2ThTSUjfG****-si
Content-Length: 0
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Fri, 10 Mar 2016 09:45:46 GMT
Server: tencent-ci
x-cos-request-id: NTg3NzRiMjVfYmRjMzVfMTViMl82ZGZmNw==



<Response>
```

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```
        <MediaInfo>
                <Format>
                        <Bitrate>1014.950000</Bitrate>
                        <Duration>10.125000</Duration>
                        <FormatLongName>QuickTime / MOV</FormatLongName>
                        <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                        <NumProgram>0</NumProgram>
                        <NumStream>2</NumStream>
                        <Size>1284547</Size>
                        <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                        <Audio>
                                <Bitrate>70.451000</Bitrate>
                                <Channel>1</Channel>
                                <ChannelLayout>mono</ChannelLayout>
                                <CodecLongName>AAC (Advanced Audio Coding)</CodecLo
                                <CodecName>aac</CodecName>
                                <CodecTag>0x6134706d</CodecTag>
                                <CodecTagString>mp4a</CodecTagString>
                                <CodecTimeBase>1/44100</CodecTimeBase>
                                <Duration>0.440294</Duration>
                                <Index>1</Index>
                                <Language>und</Language>
                                <SampleFmt>fltp</SampleFmt>
                                <SampleRate>44100</SampleRate>
                                <StartTime>0.000000</StartTime>
                                <Timebase>1/44100</Timebase>
                        </Audio>
                        <Subtitle/>
                        <Video>
                                <AvgFps>24/1</AvgFps>
                                <Bitrate>938.164000</Bitrate>
                                <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 pa
                                <CodecName>h264</CodecName>
                                <CodecTag>0x31637661</CodecTag>
                                <CodecTagString>avc1</CodecTagString>
                                <CodecTimeBase>1/12288</CodecTimeBase>
                                <ColorPrimaries>unknown</ColorPrimaries>
                                <ColorRange>unknown</ColorRange>
                                <ColorTransfer>unknown</ColorTransfer>
                                <Dar>40:53</Dar>
                                <Duration>0.124416</Duration>
                                <Fps>24.500000</Fps>
                                <HasBFrame>2</HasBFrame>
                                <Height>1280</Height>
                                <Index>0</Index>
```

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```
                                <Language>und</Language>
                                <Level>32</Level>
                                <NumFrames>243</NumFrames>
                                <PixFormat>yuv420p</PixFormat>
                                <Profile>High</Profile>
                                <RefFrames>1</RefFrames>
                                <Sar>25600:25599</Sar>
                                <StartTime>0.000000</StartTime>
                                <Timebase>1/12288</Timebase>
                                <Width>966</Width>
                        </Video>
                </Stream>
        </MediaInfo>
</Response>
```

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Private M3U8
GetPrivateM3U8

Last updated：2024-02-18 17:02:09

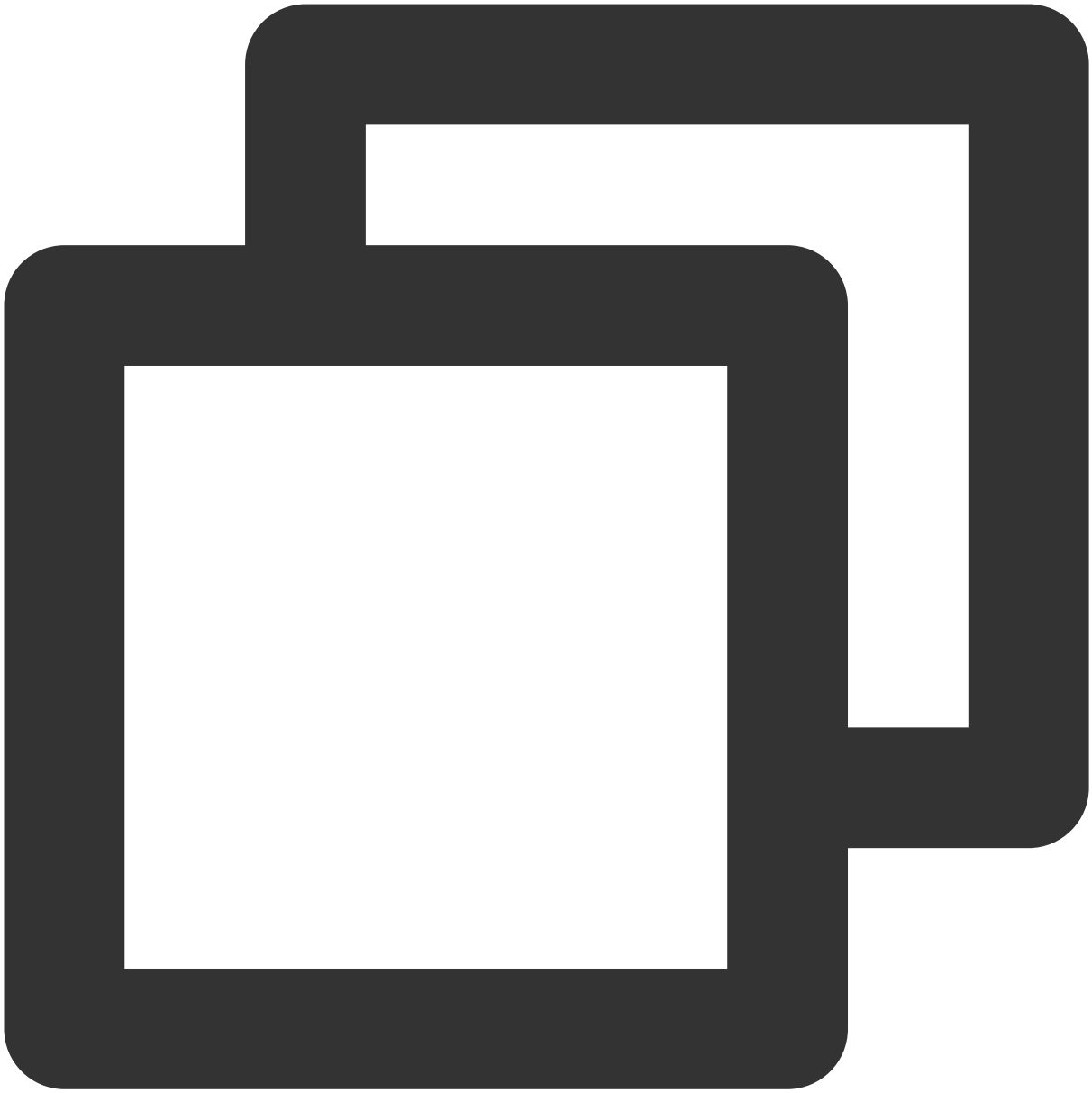
Feature Description

This API (`GetPrivateM3U8`) is used to get the download authorization for M3U8 and TS resources (requests are forwarded to CI by COS).

Request

Sample request

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```
GET /<ObjectKey>?ci-process=pm3u8&expires= HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

<ObjectKey> is the bucket object.

Request parameters

The parameters are as described below:

Parameter	Description	Type	Required
ci-process	Operation type, which is fixed at `pm3u8`.	String	Yes
expires	Relative validity period of the download credential for the private TS resource URL in seconds. Value range: [3600, 43200].	String	Yes

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body is the screenshot file content.

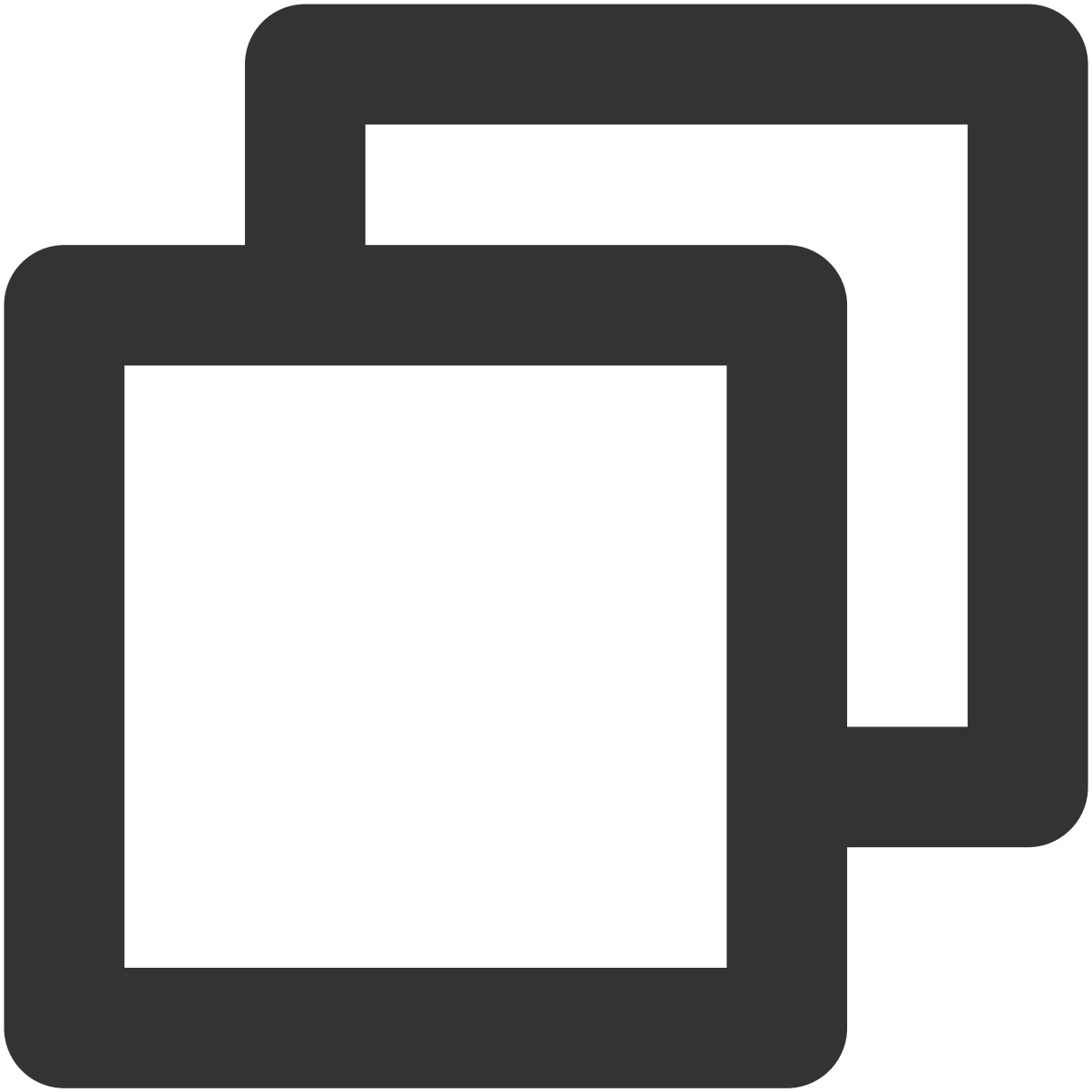
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

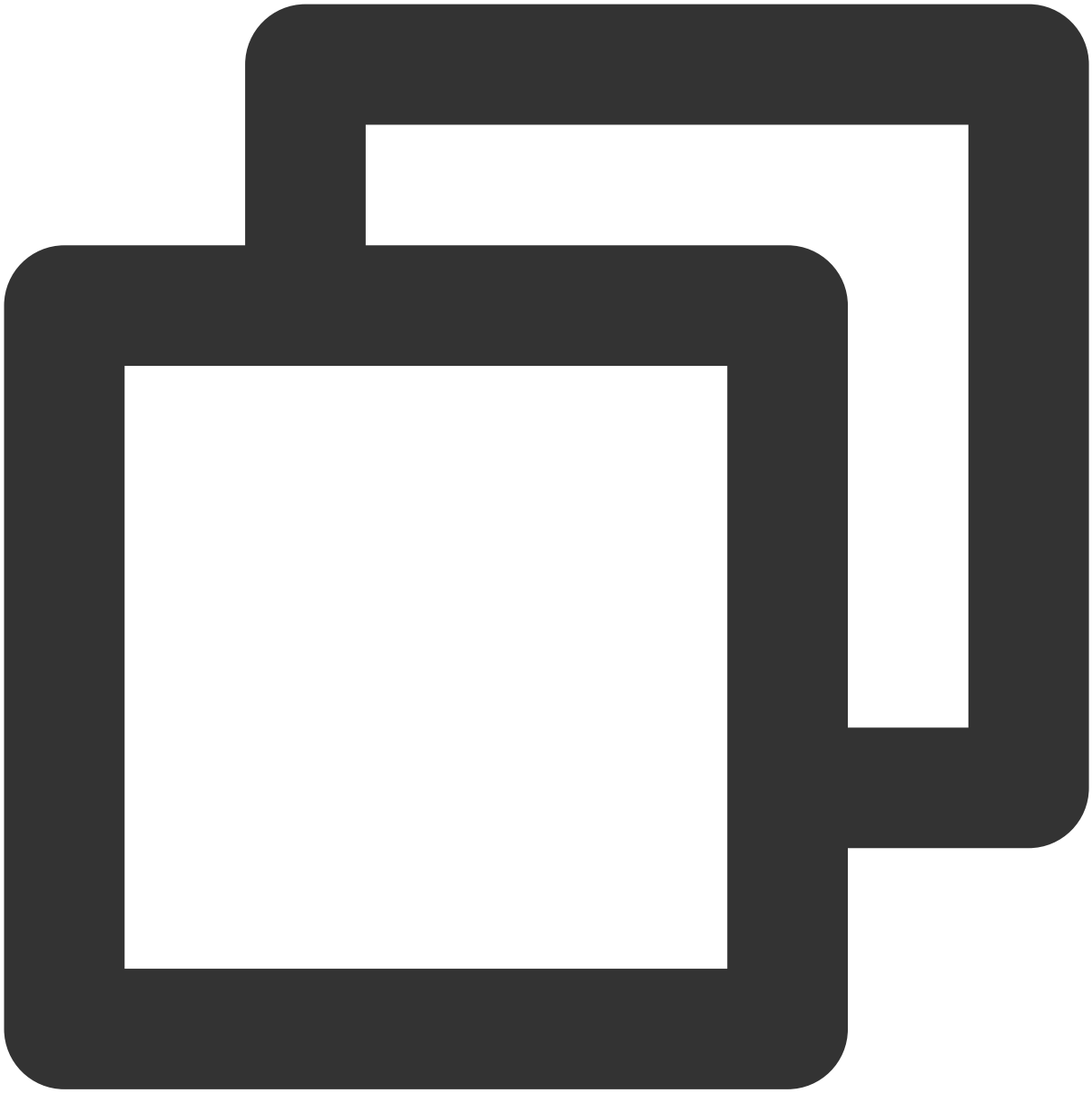
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```
GET /for-test.pm3u8?ci-process=pm3u8&expires=3600 HTTP/1.1
Host: examplebucket-1250000000.cos.ap-beijing.myqcloud.com
Date: Fri, 10 Mar 2016 09:45:46 GMT
Authorization: q-sign-algorithm=sha1&q-ak=AKIDWtTCBYjM5OwLB9CAwA1Qb2ThTSUjfG****-si
Content-Length: 0
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/x-mpegURL
Content-Length: 266005
Connection: keep-alive
Date: Fri, 10 Mar 2016 09:45:46 GMT
Server: tencent-ci
x-cos-request-id: NTg3NzRiMjVfYmRjMzVfMTViMl82ZGZm****

<M3U8 file content>
```

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Content Moderation
Audio Moderation
Submitting Audio Moderation Task

Last updated：2024-02-19 14:59:07

Feature Overview

This interface is used to submit an audio moderation task. The audio moderation functions asynchronously. You can submit an audio moderation task to moderate your audio files. Subsequently, the moderation results can be retrieved through the querying audio moderation job result or audio moderation callback content.
This interface supports the following operations:
Note:
Moderation of audio files stored in Tencent Cloud's COS is supported.
Moderation of audio URLs hosted by the third-party cloud storage providers is supported.
Automatic detection of audio files from two dimensions of ASR and erotic moaning is supported. It uses the deep learning technology to identify violations in the audio.
Setting a callback address to receive the detection results or actively polling the querying audio moderation job result to obtain the detailed moderation results is supported.
Recognition of a variety of violations such as instances of pornography and advertising is supported.
Setting custom policy based on different business scenarios is supported.

Authorization Guidelines

The action is set to `ci:CreateAuditingAudioJob` for the authorization policy. See all actions for more details.

Activation of Services

It is required to activate CI and bind a bucket before the use of this function. For more details, please refer to binding a bucket.

Use Limits

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Before using API, please confirm all the relevant limitations. For more details, see Use Limits.
Audio file size: **File size < 600MB**.
Audio file duration: **Less than 3 hours**.
Audio bitrate type: 128–256 Kbps.
Audio file formats: MP3, WAV, AAC, FLAC, AMR, 3GP, M4A, WMA, OGG, APE.
Default concurrent API calls: 10.
Languages for audio content: Mandarin, English, and Cantonese.
When a video file is entered, the separation of the audio track of a video file for independent moderation of the audio content is supported.

Note on Fees

Each moderation scenario is billed separately. For instance, if you choose to moderate both pornographic and advertising content, moderating **one audio file** will incur **two** moderation charges.
Invocation of API will lead to audio moderation fees and COS read request fees.
If the audio is a low-frequency storage type in COS, invoking the moderation will generate COS low-frequency data retrieval fees.
Audio files of the CAS or Deep CAS storage class in COS are not supported for moderation. To moderate these types of files, you need to first restore them as detailed in POST Object restore.

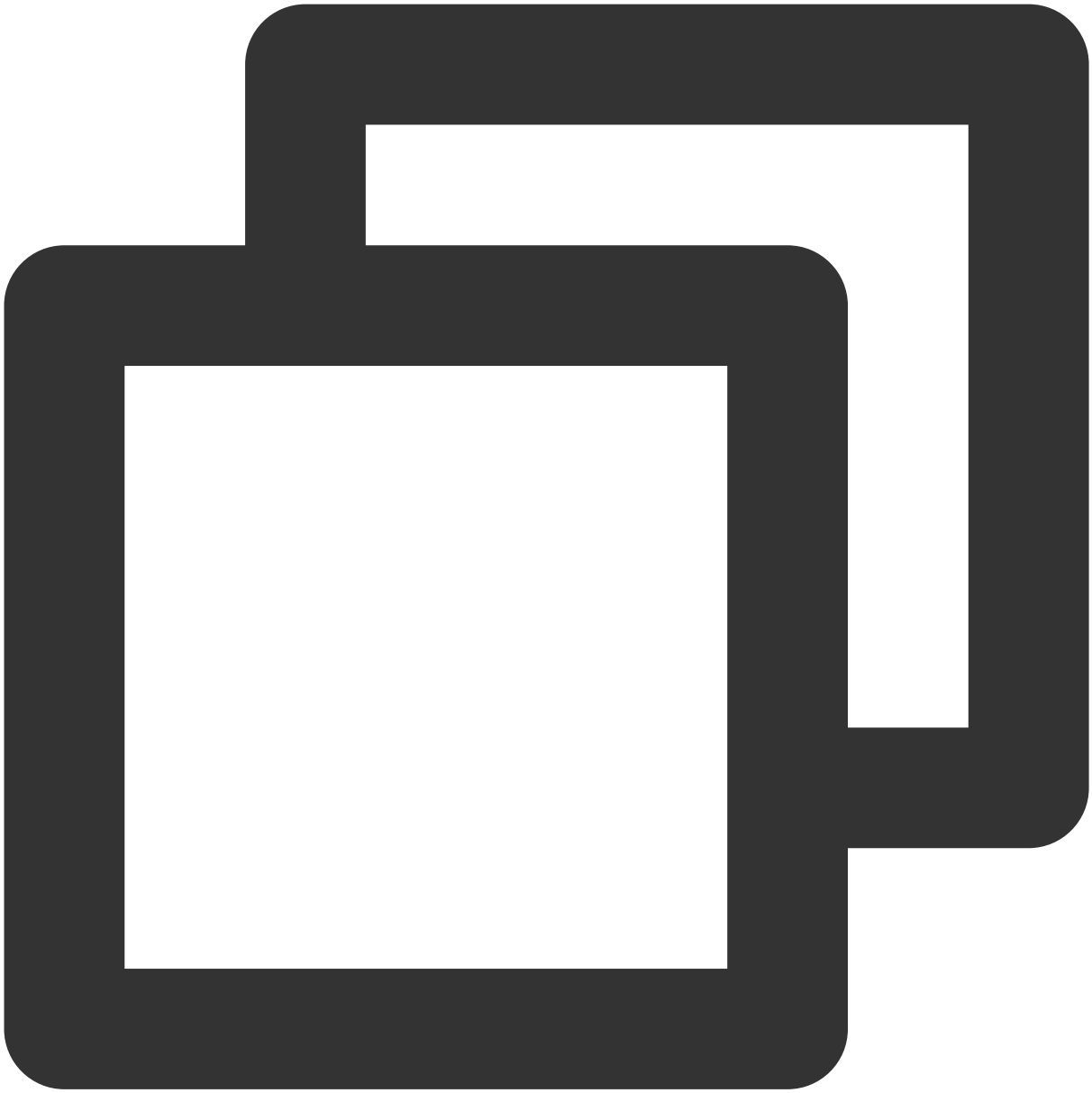
SDK Recommendation

The CI SDK has capabilities such as a complete demo, automated integration, and signature calculation. The SDK allows for a more convenient and swift way to invoke API. Refer to SDK documentation for more information.

Request

Sample Request

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```
POST /audio/auditing HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
<body>
```

Note:

Authorization: Auth String (please refer to request signature for detailed information).

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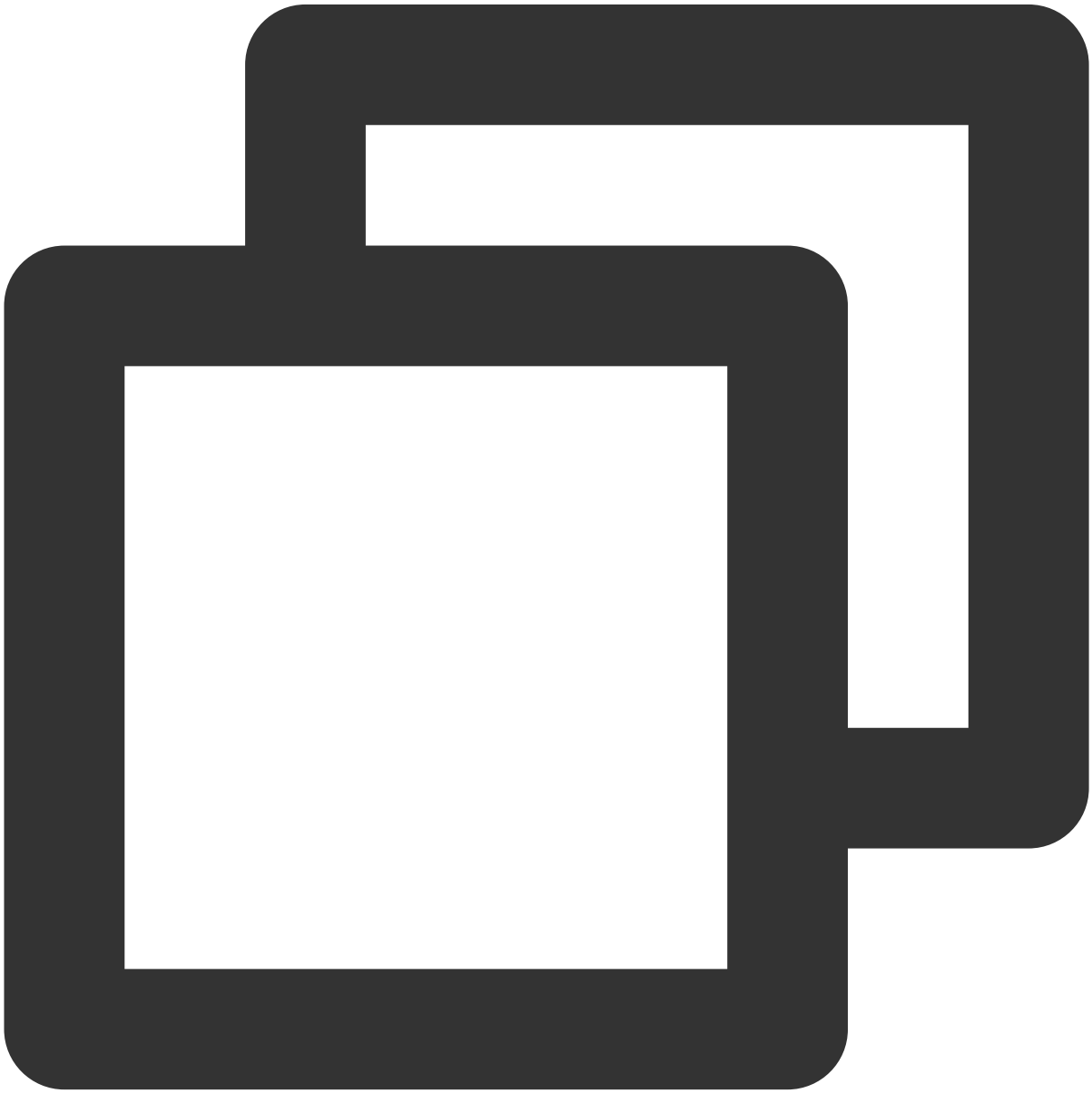
When utilizing the feature via a sub-account, it is required to assign the relevant permission. For more details, please refer to the authorization granularity details document.

Request Headers

This API only utilizes the common request headers. For more information, please refer to common request headers.

Request Body

The implementation of this request action requires the following request body:



```
<Request>
```

```
    <Input>
        <Object></Object>
        <Url></Url>
        <DataId></DataId>
    </Input>
    <Conf>
        <Callback></Callback>
        <BizType></BizType>
    </Conf>
</Request>
```

The specific data is described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
Request	No	The specific configuration item for AAS.	Container	Yes

The specific data for the Container type Request is described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
Input	Request	Content with need of moderation.	Container	Yes
Conf	Request	Moderation of rule configuration.	Container	Yes

The specific data for the Container type Input is described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
Object	Request.Input	Name of the audio file stored in the COS bucket. For instance, the file audio.mp3 in the **test** directory is named test/audio.mp3. Either **Object** or **Url** can be selected.	String	No
Url	Request.Input	URL of the audio file, such as 'http://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/audio.mp3'. Either **Object** or **Url** can be selected.	String	No
DataId	Request.Input	This field in the moderation result will return the	String	No

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		original content, with a length limit of 512 bytes. You can use this field to uniquely identify the data that needs moderation.		
UserInfo	Request.Input	**User Business** field.	Container	No

Content of UserInfo in the Container Node:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
TokenId	Request.Input.UserInfo	**User Business TokenId**, which can contain up to 128 bytes.	String	No
Nickname	Request.Input.UserInfo	**User Business Nickname**, which can contain up to 128 bytes.	String	No
DeviceId	Request.Input.UserInfo	**User Business DeviceId**, which can contain up to 128 bytes.	String	No
AppId	Request.Input.UserInfo	**User Business AppId**, which can contain up to 128 bytes.	String	No
Room	Request.Input.UserInfo	**User Business Room**, which can contain up to 128 bytes.	String	No
IP	Request.Input.UserInfo	**User Business IP**, which can contain up to 128 bytes.	String	No
Type	Request.Input.UserInfo	**User Business Type**, which can contain up to 128 bytes.	String	No
ReceiveTokenId	Request.Input.UserInfo	**User Business ReceiveTokenId**, which can contain up to 128 bytes.	String	No
Gender	Request.Input.UserInfo	**User Business Gender**, which can contain up to 128 bytes.	String	No
Level	Request.Input.UserInfo	**User Business Level**, which can contain up to 128 bytes.	String	No
Role	Request.Input.UserInfo	**User Business Role**, which can contain up to 128 bytes.	String	No

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The specific data for the Container type Conf is described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
BizType	Request.Conf	The only identifier for a moderation policy. You can configure your desired moderation scenarios on the moderation policy page on the console, such as pornography and advertising. Configuration guide: setting moderation policy. You can obtain **BizType** on the console. When **BizType** is entered, this moderation request will be moderated according to the scenarios configured in that moderation policy. When **BizType** is not entered, the default moderation policy will be automatically applied.	String	No
Callback	Request.Conf	The moderation result will be sent to your callback address in the form of callback, supporting the address beginning with `http://` or `https://`, such as: `http://www.callback.com`.	String	No
CallbackVersion	Request.Conf	The structure of the callback content. Valid values: **Simple** (The callback content includes basic information) and **Detail** (The callback content includes detailed information). The default value is **Simple**.	string	No
CallbackType	Request.Conf	The callback segment type. Valid values: **1** (Callback for all the audio segments) and **2** (Callback for violation audio segments). The default value is **1**.	Integer	No
Freeze	Request.Conf	This field allows settings of various scores given by the moderation result to automatically block audio files. It is only effective when the audio under review in `input` is `object`.	Container	No

The specific data for the Freeze type Container is described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not

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PornScore	Request.Conf.Freeze	Its value ranges from 0 to 100, which indicates that the freeze operation will be carried out automatically when the pornography moderation result equals or exceeds the given number. If the **PornScore** is not entered, the automatic freeze operation will not occur. The default value is null.	Integer	No
AdsScore	Request.Conf.Freeze	Its value ranges from 0 to 100, which indicates that the freeze operation will be carried out automatically when the advertising moderation result equals or exceeds the given number. If the **AdsScore** is not entered, the automatic freeze operation will not occur. The default value is null.	Integer	No

For freeze parameters in other moderation scenarios, please contact service staff for consultation.

Response

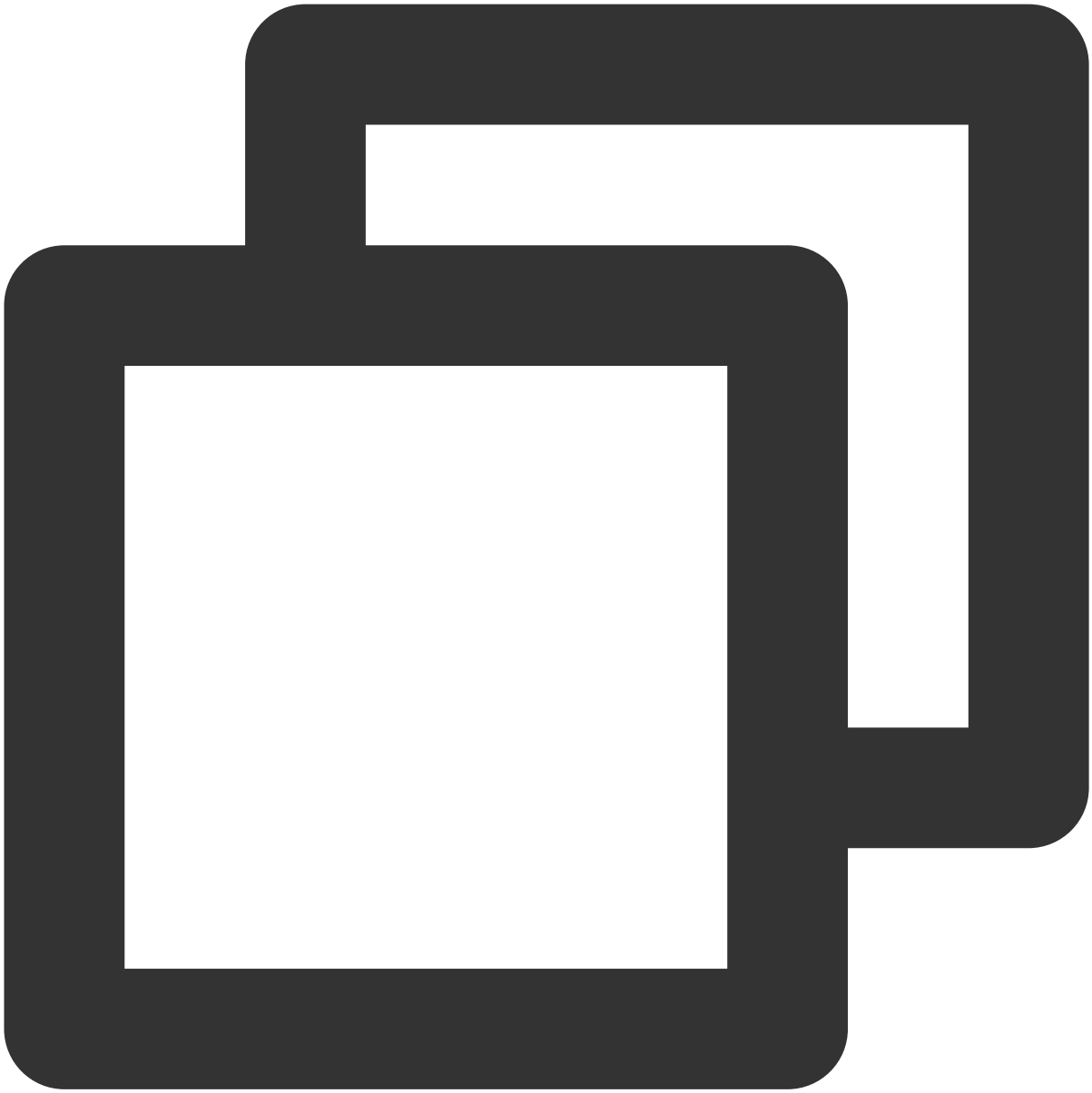
Response headers

This API only returns common response headers. For more information, see common response headers.

Response body

The response body returns **application/xml** data. The content containing the complete node data is shown as follows:

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```
<Response>
    <JobsDetail>
        <DataId></DataId>
        <JobId></JobId>
        <State></State>
        <CreationTime></CreationTime>
    </JobsDetail>
    <RequestId></RequestId>
</Response>
```

The specific data is as follows:

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Node Name (Keyword)	Parent Node	Description	Type
Response	No	The specific response content returned by AAS.	Container

Content of the Container node Response:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Detailed information of the AAS task.	Container
RequestId	Response	Whenever a request is sent, the server will automatically create an ID for the request, which can help locate problems more quickly when it encounters problems.	String

Contents of the Container Node JobsDetail:

Node Name (Keyword)	Parent Node	Description	Type
DataId	Response.JobsDetail	The only business identifier added in the request.	String
JobId	Response.JobsDetail	ID of the AAS task.	String
State	Response.JobsDetail	State of the AAS task, the value of which can be **Submitted**, **Success**, **Failed**, or **Auditing**.	String
CreationTime	Response.JobsDetail	Creation time of the AAS task.	String

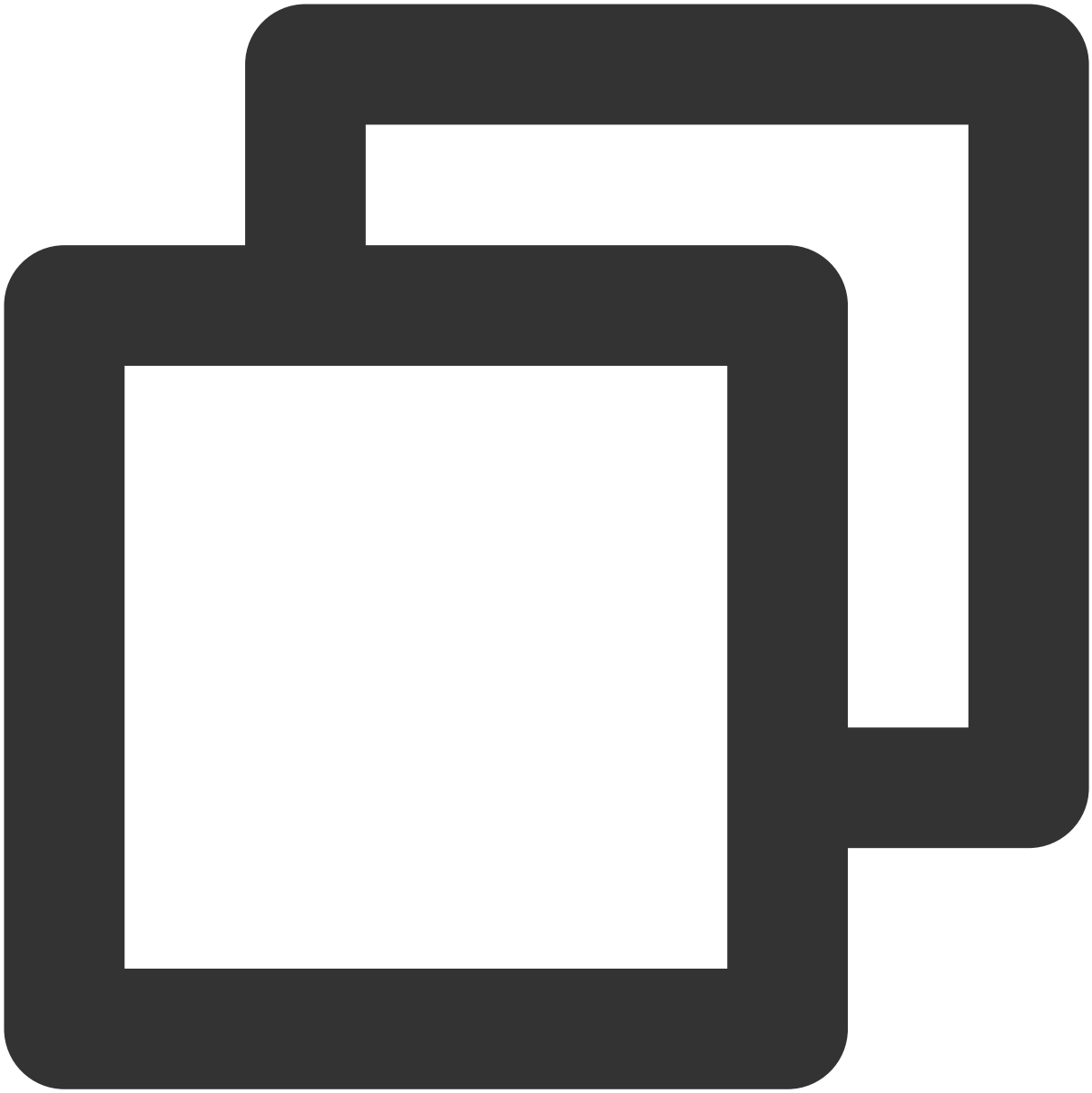
Error Code

There are no special error messages for this request operation. For ordinary error messages, please refer to the error codes document.

Actual Case

Request

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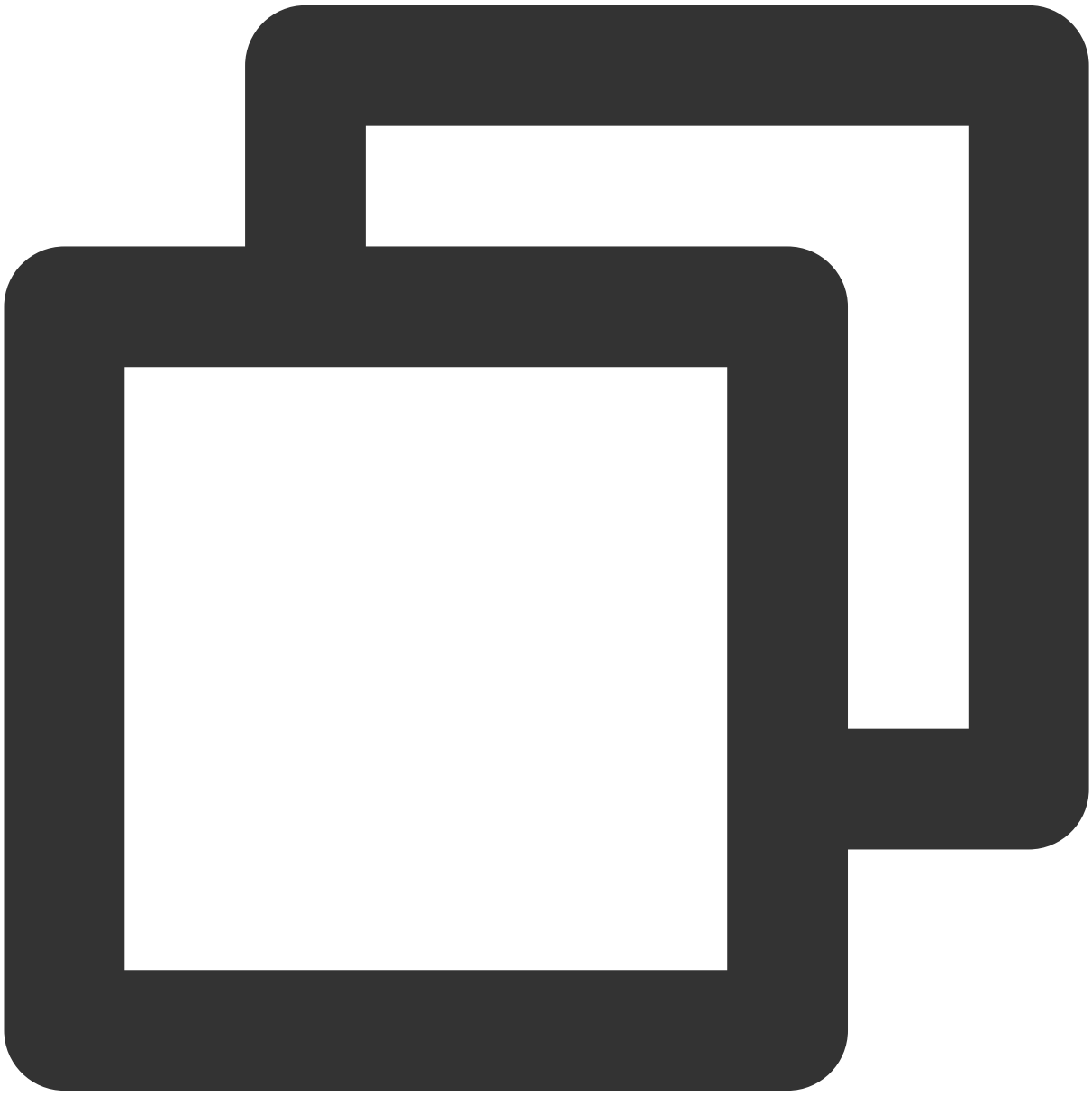
```
POST /audio/auditing HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Input>
        <Object>a.mp3</Object>
        <DataId>123-fdrsg-123</DataID>
    </Input>
```

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```
    <Conf>
        <DetectType>Porn,Ads</DetectType>
        <Callback>http://callback.com/</Callback>
    </Conf>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
```

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```
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <DataId>123-fdrsg-123</DataID>
        <JobId>vab1ca9fc8a3ed11ea834c525400863904</JobId>
        <State>Submitted</State>
        <CreationTime>2019-07-07T12:12:12+0800</CreationTime>
    </JobsDetail>
    <RequestId>xxxxxxxxxxxxxx</RequestId>
</Response>
```

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Text Moderation
Synchronized Moderation of Text Content

Last updated：2024-02-19 14:59:07

Feature Overview

This API is designed for the direct moderation of text content, operating on a synchronous request basis.
The following lists the characteristics of this API:
Note:
Plaintext needs to be Base64-encoded (UTF8 encoding only) before direct moderation is implemented.
Recognition of multiple non-compliant scenes is supported, including pornographic, illegal, and advertising scenes.
Setting Moderation Policy supports diverse business scenarios.

Authorization Guidelines

In the authorization policy, set action to `ci:CreateAuditingTextJob` . View all actions.

Service Activation

Cloud Infinite (CI) needs to be enabled with buckets bound before you use this function. For details, see Bind Bucket.

Prerequisites

Before using this API, check all relevant limitations. For details, see Specifications and Limits.

Pricing

Each moderation scene is billed separately. For example, if you select moderation for both pornographic and advertising scenes, moderating **one piece of text** will **result in charges for two moderation actions**.
Length limit: Plaintext needs to be Base64-encoded before direct moderation is implemented. The original text length before encoding must not exceed 10,000 UTF8-encoded characters.

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Language support in text moderation: Currently, the system supports detection in Chinese, mixed Chinese and English, and Arabic numerals.
Default concurrency for the API: 100.

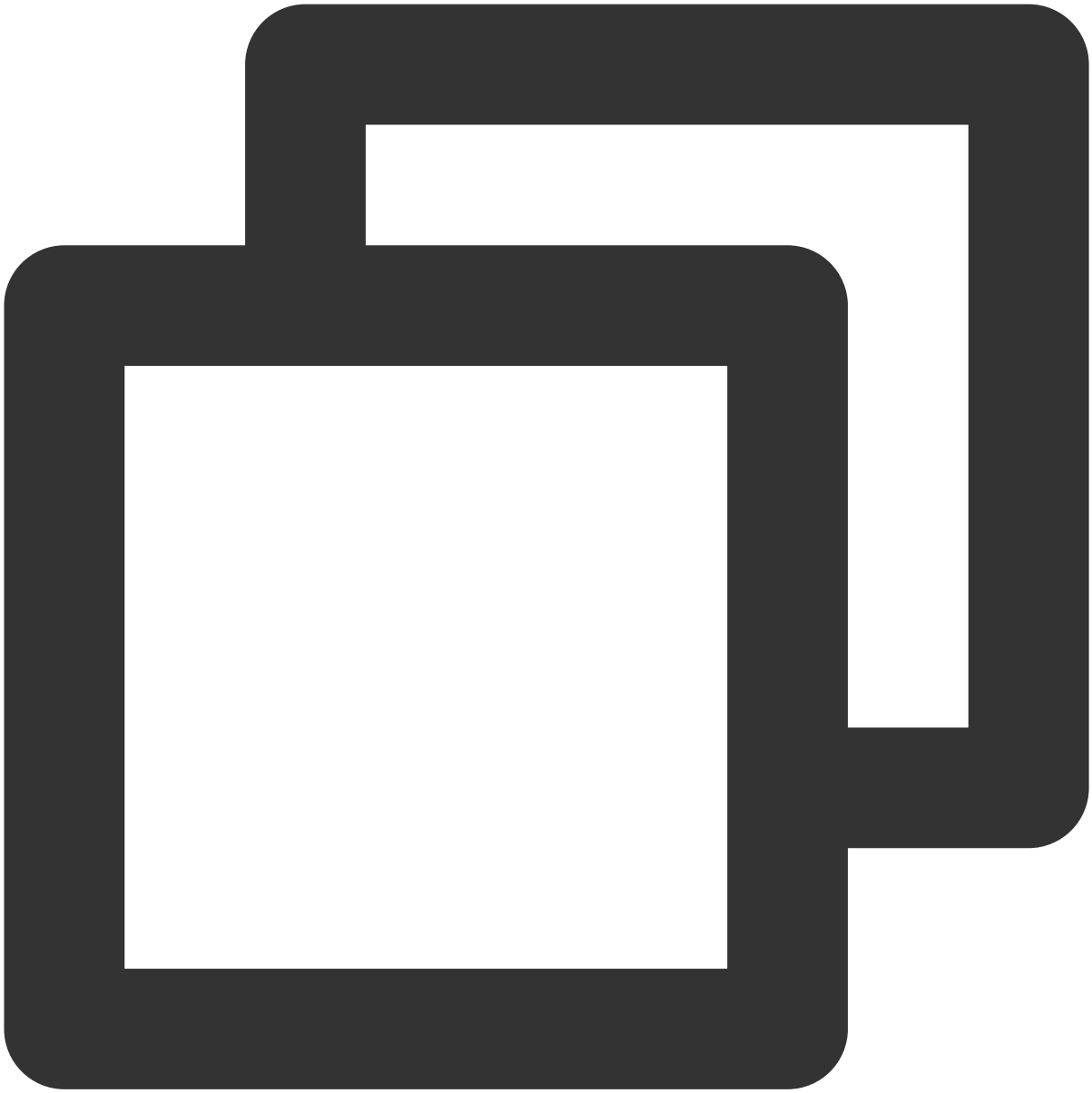
SDK Recommendation

The CI SDK offers complete demo, automated integration, signature calculations, and other capabilities. The SDK allows for a more convenient and swift way to call APIs. Click here to view SDK documentation.

Request

Request Example

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```
POST /text/auditing HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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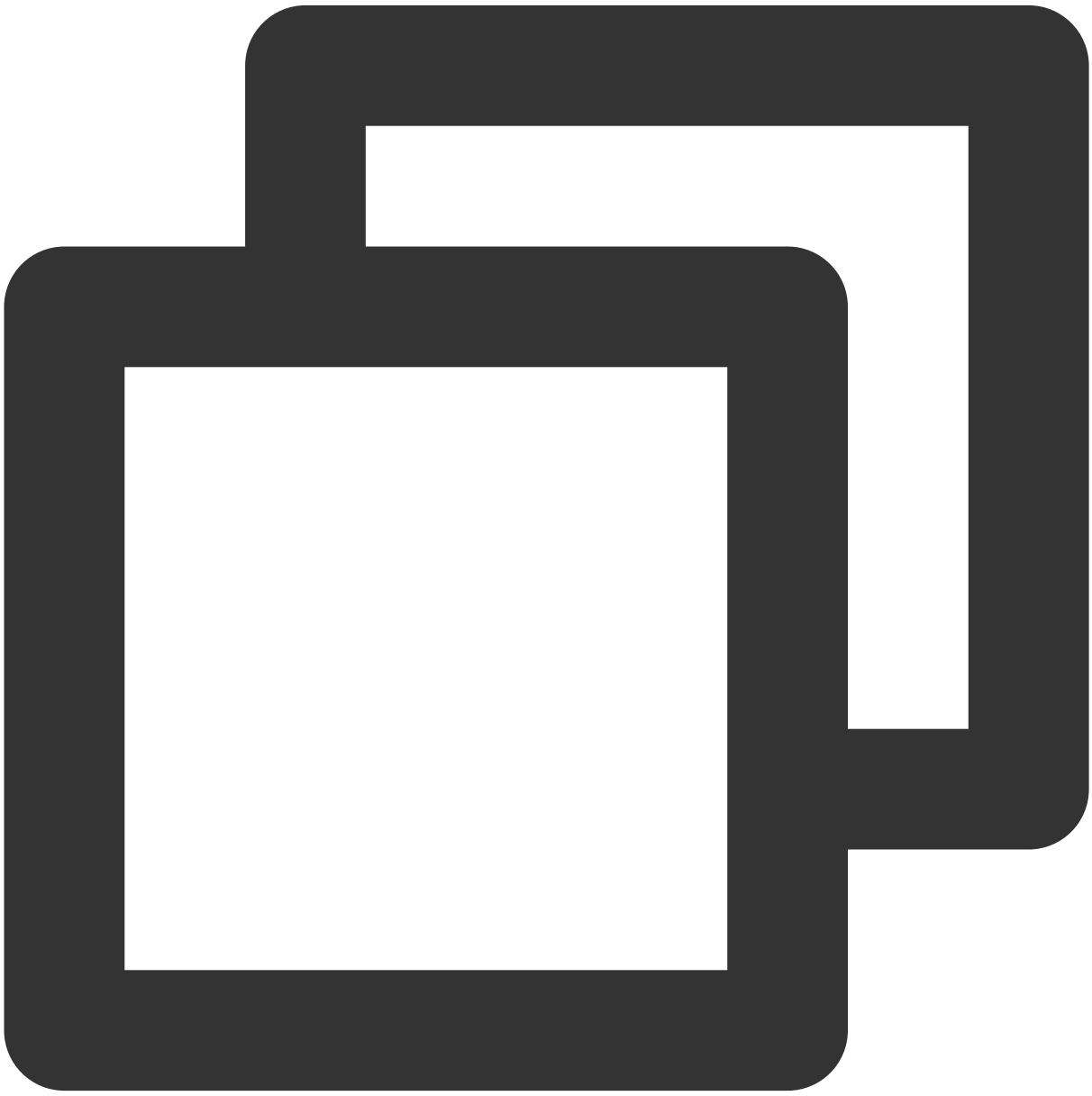
Authorization: Auth String (For more information, see Request Signature.)
When it is used through a sub-account, related permissions need to be assigned. For details, see Authorization Granularity Details.

Request Header

This API only uses common request headers. For details, see Common Request Headers.

Request Body

The implementation of this request action requires the following request body:



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```
<Request>
  <Input>
    <Content></Content>
    <DataId></DataId>
  </Input>
  <Conf>
    <Callback></Callback>
    <CallbackVersion></CallbackVersion>
    <CallbackType></CallbackType>
    <BizType></BizType>
    <Freeze>
      <PornScore></PornScore>
    </Freeze>
  </Conf>
</Request>
```

The following details the data description:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
Request	No	The specific configuration item for text moderation.	Container	Yes

The data description for Request of the Container type is as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
Input	Request	Content requiring moderation.	Container	Yes
Conf	Request	Configuration of moderation rules.	Container	Yes

The data description for Input of the Container type is as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
Content	Request.Input	When the input is plaintext, it should first be Base64-encoded. The text length before encoding cannot exceed 10,000 UTF-8 encoded characters. If this length limit is exceeded, the API will return an error.Note: Currently, detection and moderation are	String	No

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		supported in Chinese, mixed Chinese and English, and Arabic numerals. If you need to implement moderation in other languages, please contact us.		
DataId	Request.Input	This field in the moderation result will return the original content, with a length limit of 512 bytes. You can use this field to uniquely identify the data to be moderated.	String	No
UserInfo	Request.Input	User business field.	Container	No

UserInfo content of the Container node:

Node Name (Keyword)	Description	Type	Required or Not
TokenId	It usually indicates account information, limited to 128 bytes in length.	String	No
Nickname	It usually indicates nickname information, limited to 128 bytes in length.	String	No
DeviceId	It usually indicates device information, limited to 128 bytes in length.	String	No
AppId	It usually indicates a unique identifier for the App, limited to 128 bytes in length.	String	No
Room	It usually indicates room number information, limited to 128 bytes in length.	String	No
IP	It usually indicates IP address information, limited to 128 bytes in length.	String	No
Type	It usually indicates the business type, limited to 128 bytes in length.	String	No
ReceiveTokenId	It usually indicates the user account for receiving messages, limited to 128 bytes in length.	String	No
Gender	It usually indicates gender data, limited to 128 bytes in length.	String	No
Level	It usually indicates level information, limited to 128 bytes in length.	String	No
Role	It usually indicates role details, limited to 128 bytes in length.	String	No

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The data description for Conf in the Container type is as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required or Not
BizType	Request.Conf	It indicates a unique identifier for the moderation policy. You can set the scenes you want to moderate, such as pornography, advertising, or illegal content, through the moderation policy page on the console. Follow these guidelines to configure: Setting Moderation Policy. BizType can be obtained from the console. When you specify BizType, this moderation request will enable moderation according to the scenes configured in the policy. If BizType is left blank, the default moderation policy will be applied automatically.	String	No
Callback	Request.Conf	The moderation results can be sent to your callback address in a callback form. It supports addresses starting with `http://` or `https://`, such as: `http://www.callback.com`. When Input is set to Content, this parameter is not effective, and results will be returned directly.	String	No
CallbackVersion	Request.Conf	The structure of the callback content. Valid values: Simple (the callback content includes basic information), Detail (the callback content includes detailed information). The default value is Simple.	String	No
CallbackType	Request.Conf	The type of callback segment. Valid values: 1 (all text segments are recalled), 2 (non-compliant text segments are recalled). The default value is 1.	Integer	No
Freeze	Request.Conf	This field allows you to automatically block text files based on the different scores given according to the moderation results. It is effective only when the text moderated in input is object.	Container	No

The data description for Freeze of the Container type is as follows:

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Node Name (Keyword)	Parent Node	Description	Type	Required or Not
PornScore	Request.Conf.Freeze	The value range is [0,100]. A block operation will be carried out automatically when the pornographic content moderation score equals or exceeds the given score. If it is left blank, an automatic block operation will not occur. The default value is null.	Integer	No
AdsScore	Request.Conf.Freeze	The value range is [0,100]. A block operation will be carried out automatically when the advertising moderation score equals or exceeds the specified score. If it is left blank, an automatic block operation will not occur. The default value is null.	Integer	No
IllegalScore	Request.Conf.Freeze	The value range is [0,100]. A block operation will be carried out automatically if the illegal content moderation result equals or exceeds this score. If it is left blank, an automatic block operation will not occur. The default value is null.	Integer	No
AbuseScore	Request.Conf.Freeze	The value range is [0,100]. A block operation will be carried out automatically if the verbal abuse moderation result equals or exceeds this score. If it is left blank, an automatic block operation will not occur. The default value is null.	Integer	No

For block parameters in other moderation scenarios, please contact our service team.

Response

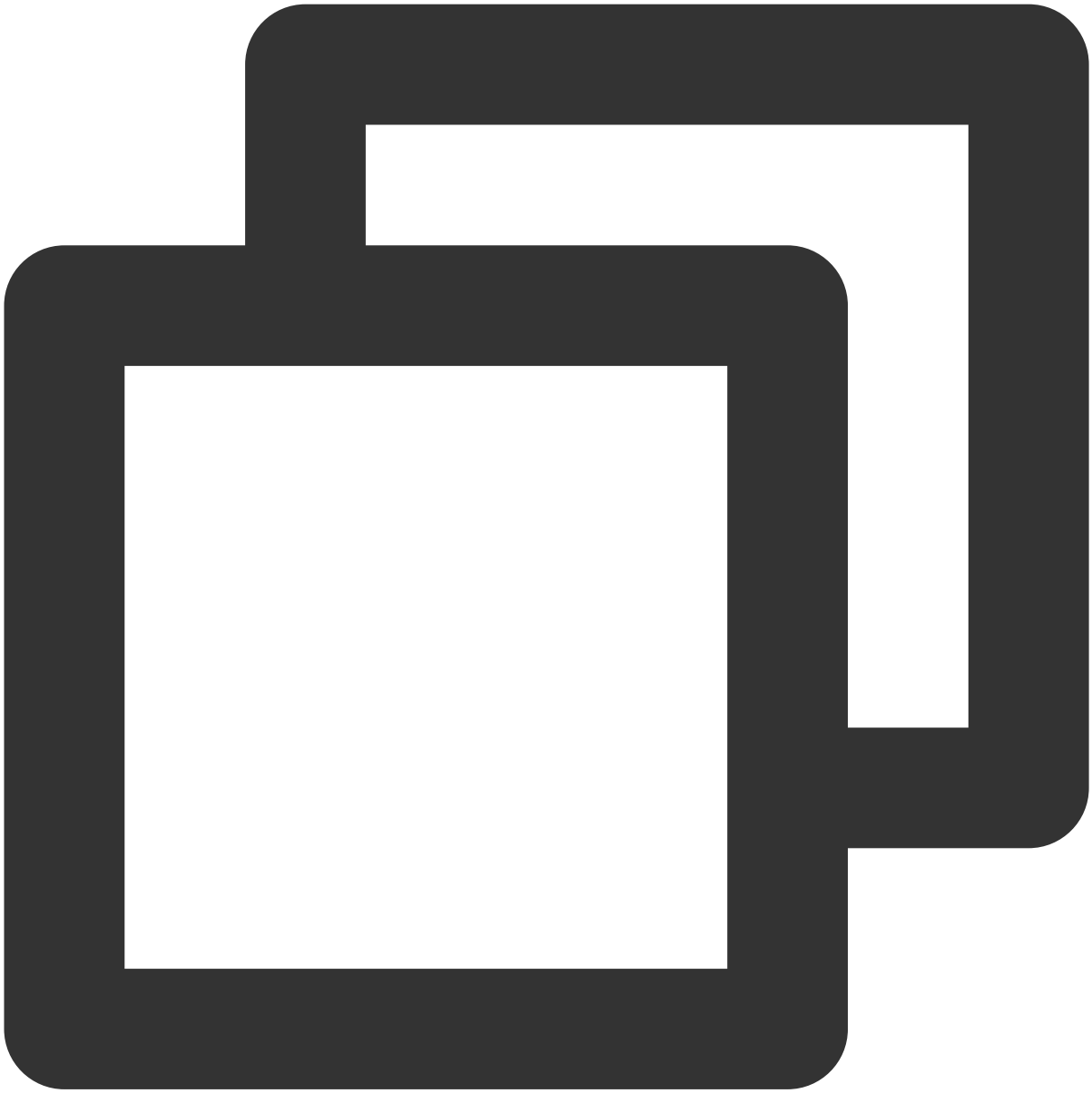
Response Header

This API only returns common response headers. For more information, see Common Response Headers.

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Response Body

The response body returns **application/xml** data. The following displays complete node data:



```
<Response>
  <JobsDetail>
    <DataId></DataId>
    <JobId></JobId>
    <State></State>
    <CreationTime></CreationTime>
    <Code>Success</Code>
    <Message>Success</Message>
```

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```
      <SectionCount></SectionCount>
      <Result>1</Result>
      <ContextText></ContextText>
      <PornInfo>
        <HitFlag></HitFlag>
        <Count></Count>
      </PornInfo>
      <Section>
        <StartByte></StartByte>
        <PornInfo>
          <HitFlag></HitFlag>
          <Score></Score>
          <Keywords></Keywords>
        </PornInfo>
      </Section>
    </JobsDetail>
    <RequestId></RequestId>
</Response>
```

The specific data content is as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	No	The specific response content returned by text moderation.	Container

`Response` content of the Container node:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Detailed information of text moderation.	Container
RequestId	Response	When a request is send, the server automatically creates an ID specific to the request, assisting in locating encountered problems.	String

JobsDetail contents of the Container type:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code. It is returned only if State is Failed. For more information, see Error Codes.	String
DataId	Response.JobsDetail	Unique business identifier added in the request.	String

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Message	Response.JobsDetail	Error description. It is returned only when State is Failed.	String
JobId	Response.JobsDetail	Task ID of this text moderation operation.	String
CreationTime	Response.JobsDetail	Creation time of the text moderation.	String
State	Response.JobsDetail	Status of the text moderation. Valid values include Success (moderation succeeded) and Failed (moderation failed).	String
Content	Response.JobsDetail	The submitted text moderation content, which is returned in Base64 encoding.	String
ContextText	Response.JobsDetail	When the text context correlation moderation capability is activated, this field, along with the current text under moderation and its associated text, will be returned in their original forms.Note: When you use the context correlation capabilities, it is necessary to incorporate the UserInfo field during the initiation of a text moderation operation. It indicates that the correlated context is specific to a particular user ID, and the text content uploaded by different user IDs will not be correlated.To enable context correlation capabilities, please contact our service team for activation.	String
Label	Response.JobsDetail	This field returns the moderation results which correspond to the **malicious tag with the highest priority** and are recommended by the model. It is recommended that you handle different types of violations and suggested values based on the business requirements. Returned values include: **Normal**: normal, **Porn**: pornography, **Ads**: advertising, along with other types of unsafe or inappropriate content.	String
Result	Response.JobsDetail	This field indicates the moderation result of the current assessment. You can perform subsequent operations based on the results. Valid values: **0** (normal), **1** (sensitive and non-compliant files), and **2** (possibly sensitive, with manual moderation recommended).	Integer
SectionCount	Response.JobsDetail	The number of content segments for text moderation. The value is fixed at 1.	Integer

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PornInfo	Response.JobsDetail	The moderation result of the **pornographic content** moderation scene.	Container
AdsInfo	Response.JobsDetail	The moderation result of the **advertising content** moderation scene.	Container
IllegalInfo	Response.JobsDetail	The moderation result of the **illegal content** moderation scene.	Container
AbuseInfo	Response.JobsDetail	The moderation result of the **abusive content** moderation scene.	Container
Section	Response.JobsDetail	The specific result information of text moderation.	Container Array
UserInfo	Response.JobsDetail	User business field.	Container
ListInfo	Response.JobsDetail	Account whitelist/blacklist results.	Container

PornInfo, AdsInfo, IllegalInfo, and AbuseInfo content of the Container node:

Node Name (Keyword)	Parent Node	Description	Type
HitFlag	Response.JobsDetail.*Info	It is used to return moderation results of the corresponding scene. Returned values: 0: normal, 1: confirmed as violation content of the current scene, 2: suspected as violation content of the current scene.	Integer
Count	Response.JobsDetail.*Info	The number of segments that match the moderation classification.	Integer

Section Content of the Container node:

Node Name (Keyword)	Parent Node	Description	Type
StartByte	Response.JobsDetail.Section	The location within the text where the segment begins (that is, 10 represents the 11th UTF-8 character). It starts from 0.	Integer
Label	Response.JobsDetail.Section	This field returns the moderation results which correspond to the **malicious tag with the highest priority** and are recommended by the model. It is	String

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		recommended that you handle different types of violations and suggested values based on the business requirements. Returned values include: **Normal**: normal, **Porn**: pornography, **Ads**: advertising, along with other types of unsafe or inappropriate content.	
Result	Response.JobsDetail.Section	This field indicates the moderation result of the current assessment. You can perform subsequent operations based on the results. Valid values: **0** (normal), **1** (sensitive and non-compliant files), and **2** (possibly sensitive, with manual moderation recommended).	Integer
PornInfo	Response.JobsDetail.Section	The moderation result of the **pornographic content** moderation scene.	Container
AdsInfo	Response.JobsDetail.Section	The moderation result of the **advertising content** moderation scene.	Container
IllegalInfo	Response.JobsDetail.Section	The moderation result of the **illegal content** moderation scene.	Container
AbuseInfo	Response.JobsDetail.Section	The moderation result of the **abusive content** moderation scene.	Container

PornInfo, AdsInfo, IllegalInfo, and AbuseInfo content of the Container node:

Node Name (Keyword)	Parent Node	Description	Type
HitFlag	Response.JobsDetail.Section.*Info	It is used to return moderation results of the corresponding scene. Returned values: 0: normal, 1: confirmed as violation content of the current scene, 2: suspected as violation content of the current scene.	Integer
Score	Response.JobsDetail.Section.*Info	The moderation result score within this segment. Higher scores indicate more sensitive content.	Integer
Keywords	Response.JobsDetail.Section.*Info	Keywords matched under the current moderation scene. Multiple keywords	String

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		are separated by ",".	
LibResults	Response.JobsDetail.Section.*Info	This field is used to return results identified through the risk library. Note: This field is not returned when no samples within the risk library have been matched.	Container Array
SubLabel	Response.JobsDetail.Section.*Info	This field indicates the specific sub-tags matched in the moderation. For example: the SexBehavior sub-tag under Porn. Note: This field may return null, indicating that no specific sub-tags are matched.	String

`LibResults` content of the `Container` node:

Node Name (Keyword)	Parent Node	Description	Type
LibType	Response.JobsDetail.Section.*Info.LibResults	Type of the matched risk library. Valid values include 1 (preset white library and black library) and 2 (custom risk library).	Integer
LibName	Response.JobsDetail.Section.*Info.LibResults	Name of the matched risk library.	String
Keywords	Response.JobsDetail.Section.*Info.LibResults	Keywords matched in the library. This parameter may return multiple values, indicating multiple keywords matched.	String Array

UserInfo content in the Container node:

Node Name (Keyword)	Description	Type	Required or Not
TokenId	It usually indicates account information, limited to 128 bytes in length.	String	No
Nickname	It usually indicates nickname information, limited to 128 bytes in length.	String	No

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DeviceId	It usually indicates device information, limited to 128 bytes in length.	String	No
AppId	It usually indicates a unique identifier for the App, limited to 128 bytes in length.	String	No
Room	It usually indicates room number information, limited to 128 bytes in length.	String	No
IP	It usually indicates IP address information, limited to 128 bytes in length.	String	No
Type	It usually indicates the business type, limited to 128 bytes in length.	String	No
ReceiveTokenId	It usually indicates the user account for receiving messages, limited to 128 bytes in length.	String	No
Gender	It usually indicates gender data, limited to 128 bytes in length.	String	No
Level	It usually indicates level information, limited to 128 bytes in length.	String	No
Role	It usually indicates role details, limited to 128 bytes in length.	String	No

ListInfo content of the Container node:

Node Name (Keyword)	Parent Node	Description	Type
ListResults	Response.JobsDetail.ListInfo	Result of all match lists.	Container Array

ListResults content of the Container node:

Node Name (Keyword)	Parent Node	Description	Type
ListType	Response.JobsDetail.ListInfo.ListResults	Type of match list. Valid values include 0 (whitelist) and 1 (blacklist).	Integer
ListName	Response.JobsDetail.ListInfo.ListResults	Name of the match list.	String
Entity	Response.JobsDetail.ListInfo.ListResults	The matched entry on the list.	String

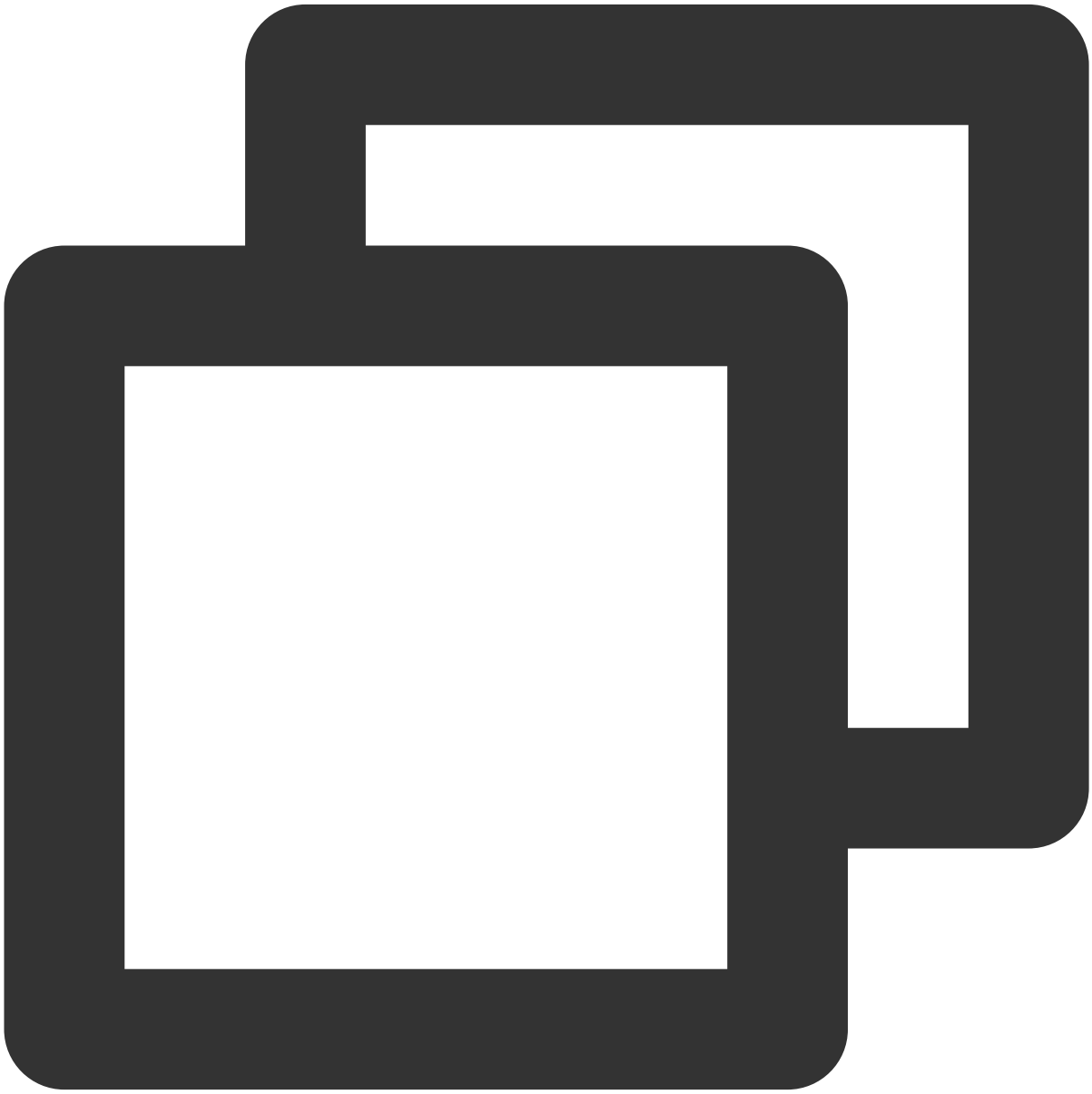
Error Code

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There is no specific error information for this request operation. For common error information, see Error Codes.

Examples

Request



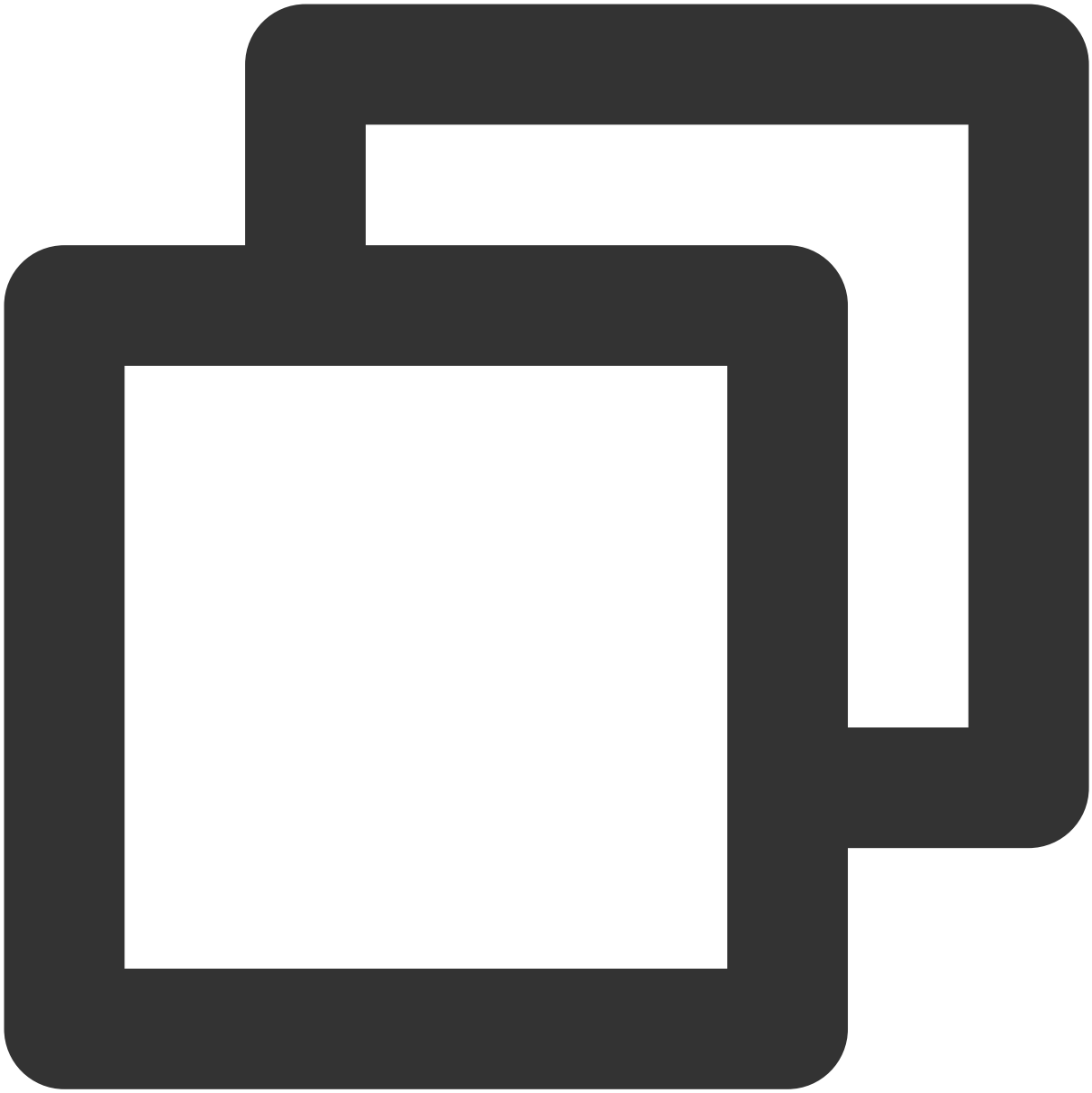
```
POST /text/auditing HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
```

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```
Content-Length: 166
Content-Type: application/xml
<Request>
  <Input>
    <Content>54uZ5Ye75omL</Content>
  </Input>
  <Conf>
    <BizType>b81d45f94b91a683255e9a9506f45a11</BizType>
  </Conf>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Thu, 15 Jun 2017 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****
<Response>
  <JobsDetail>
    <JobId>vab1ca9fc8a3ed11ea834c525400863904</JobId>
    <Content>54uZ5Ye75omL</Content>
```

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```
    <State>Success</State>
    <CreationTime>2019-07-07T12:12:12+0800</CreationTime>
    <SectionCount>1</SectionCount>
    <Label>Illegal</Label>
    <Result>2</Result>
    <PornInfo>
      <HitFlag>0</HitFlag>
      <Count>0</Count>
    </PornInfo>
    <Section>
      <StartByte>0</StartByte>
      <Label>Illegal</Label>
      <Result>2</Result>
      <PornInfo>
        <HitFlag>0</HitFlag>
        <Score>0</Score>
        <Keywords/>
      </PornInfo>
    </Section>
  </JobsDetail>
  <RequestId>xxxxxxxxxxxxxx</RequestId>
</Response>
```

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File Preview

Querying File Preview Feature Status

Last updated：2024-02-19 16:02:58

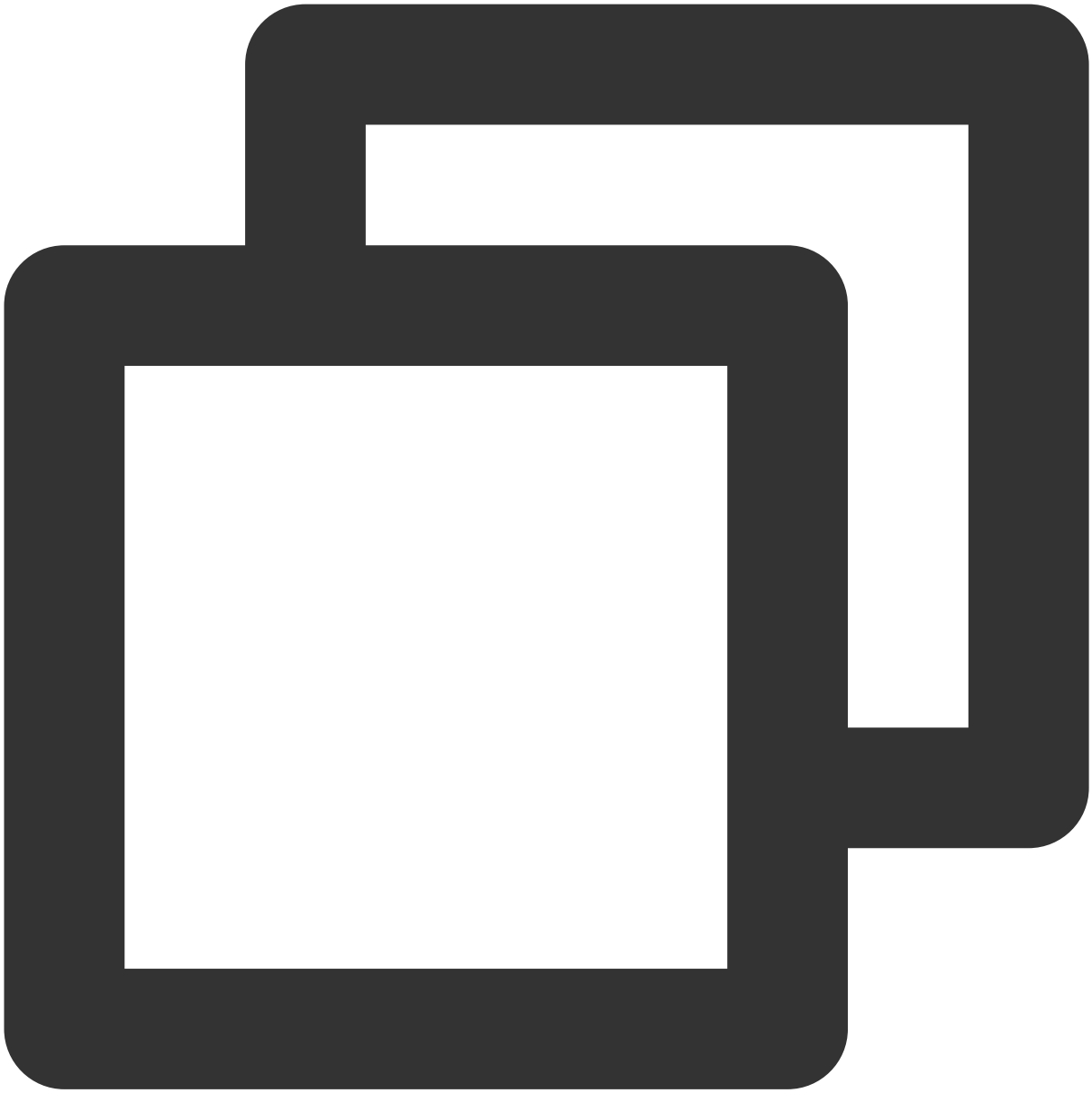
Overview

This API (`DescribeDocProcessBuckets`) is used to query the buckets with the file preview feature enabled.

Request

Sample request

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```
GET /docbucket?pageNumber=1&pageSize=2 HTTP/1.1
Host: ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (See Request Signature for details.)

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Name	Description	Type	Required
regions	Region. Separate multiple regions by comma. Valid values: `All`, `ap-shanghai`, `ap-beijing`.	string	No
bucketNames	Bucket name. Separate multiple bucket names by comma. Exact search is supported.	string	No
bucketName	Bucket name prefix. Prefix search is supported.	string	No
pageNumber	Page number.	string	No
pageSize	Number of entries per page.	string	No

Response

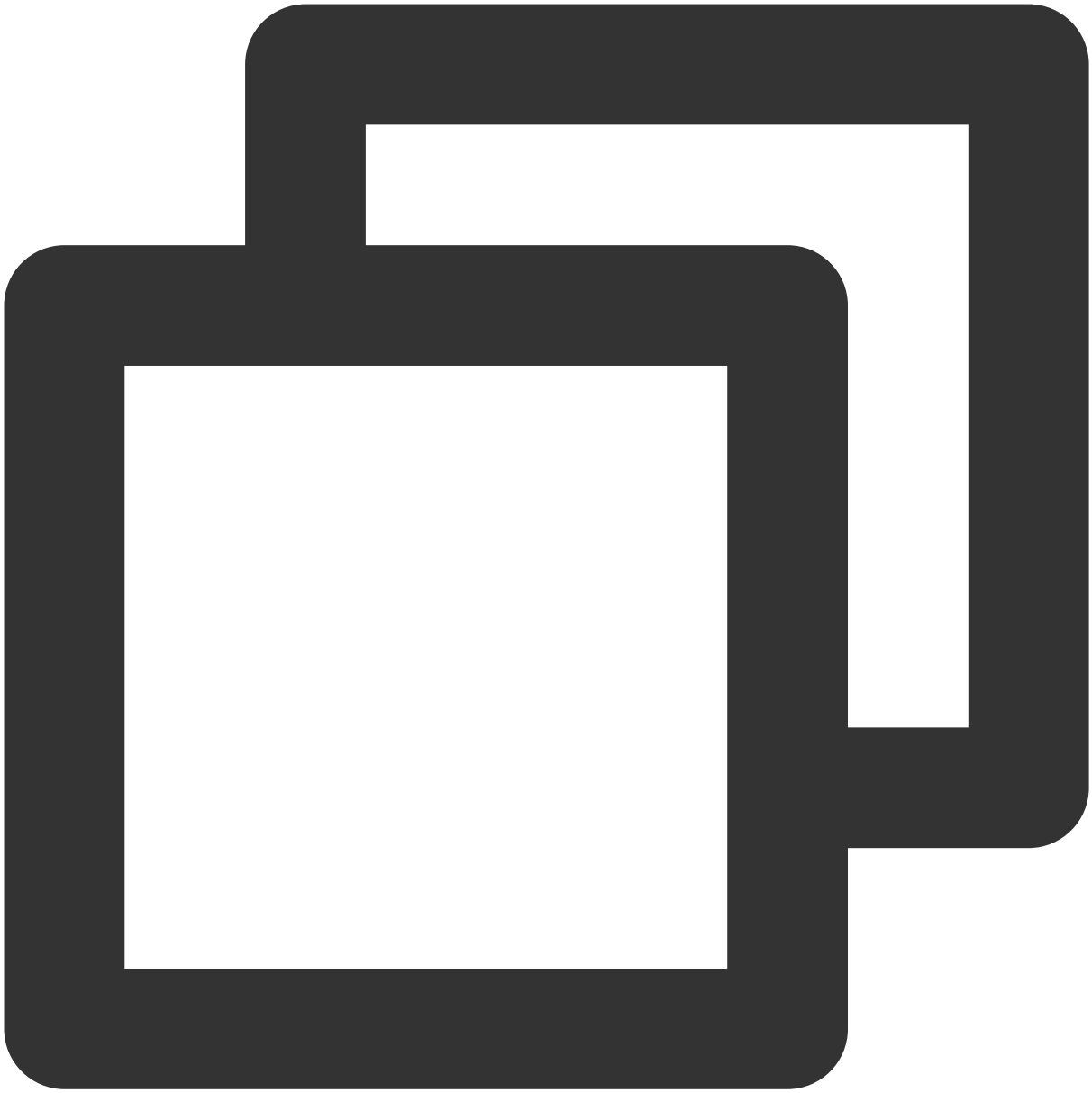
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
        <TotalCount>1</TotalCount>
        <RequestId>RequestId</RequestId>
        <PageNumber>1</PageNumber>
        <PageSize>2</PageSize>
        <DocBucketList>
                <Name>BucketName-APPID</Name>
                <CreateTime>Time</CreateTime>
                <Region>Region</Region>
                <AliasBucketId/>
                <BucketId>BucketName-APPID</BucketId>
```

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```
        </DocBucketList>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
TotalCount	Response	Total number of buckets with file preview enabled.	Int
PageNumber	Response	Current page number. Same as `pageNumber` in the request.	Int
PageSize	Response	Number of records per page. Same as `pageSize` in the request.	Int
DocBucketList	Response	List of buckets with file preview enabled.	Container

`DocBucketList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
BucketId	Response.DocBucketList	Bucket ID.	String
Name	Response.DocBucketList	Bucket name, which is the same as `BucketId`.	String
Region	Response.DocBucketList	Region.	String
CreateTime	Response.DocBucketList	Creation time.	String
AliasBucketId	Response.DocBucketList	Bucket alias.	String

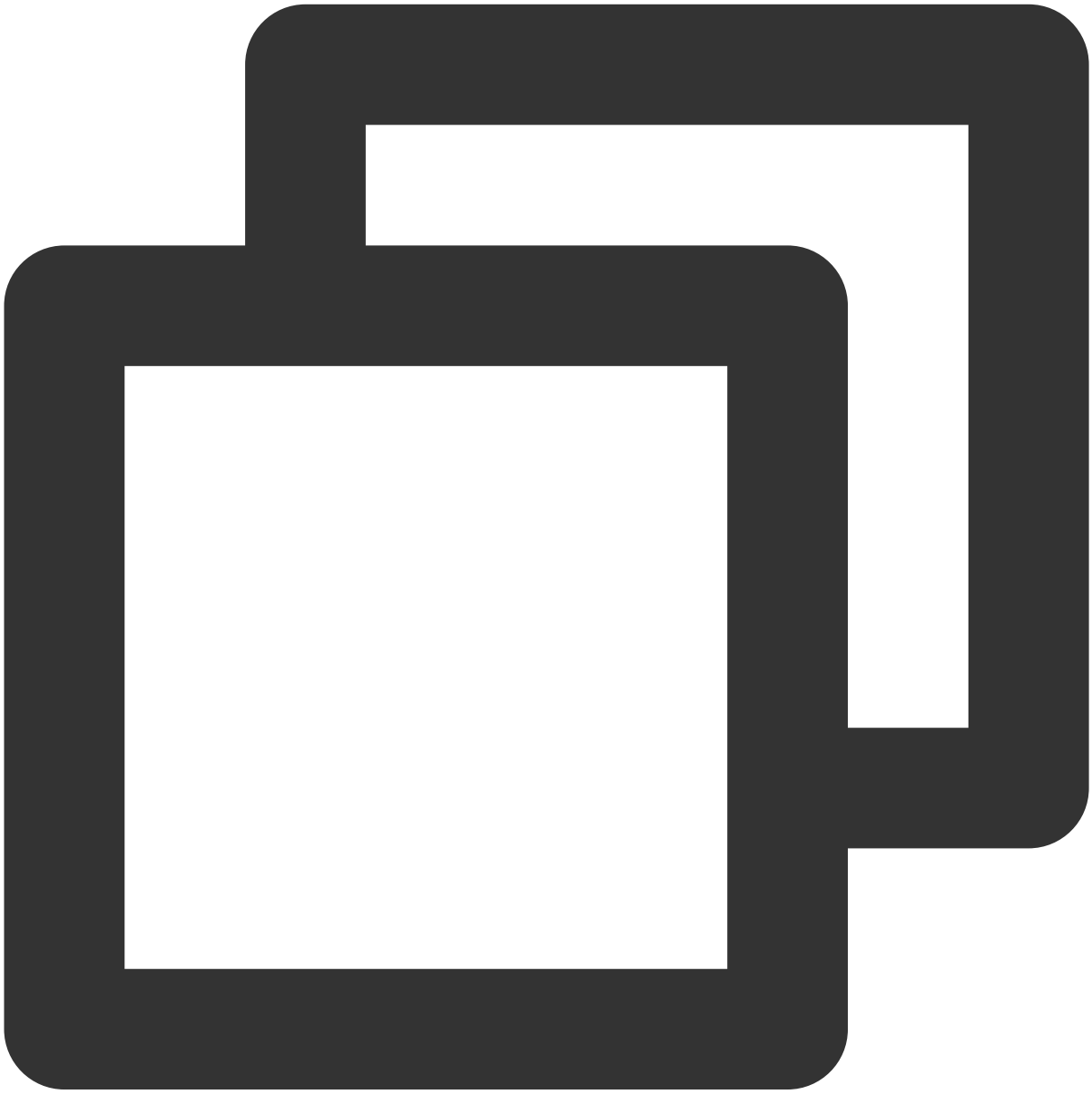
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

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Examples

Request

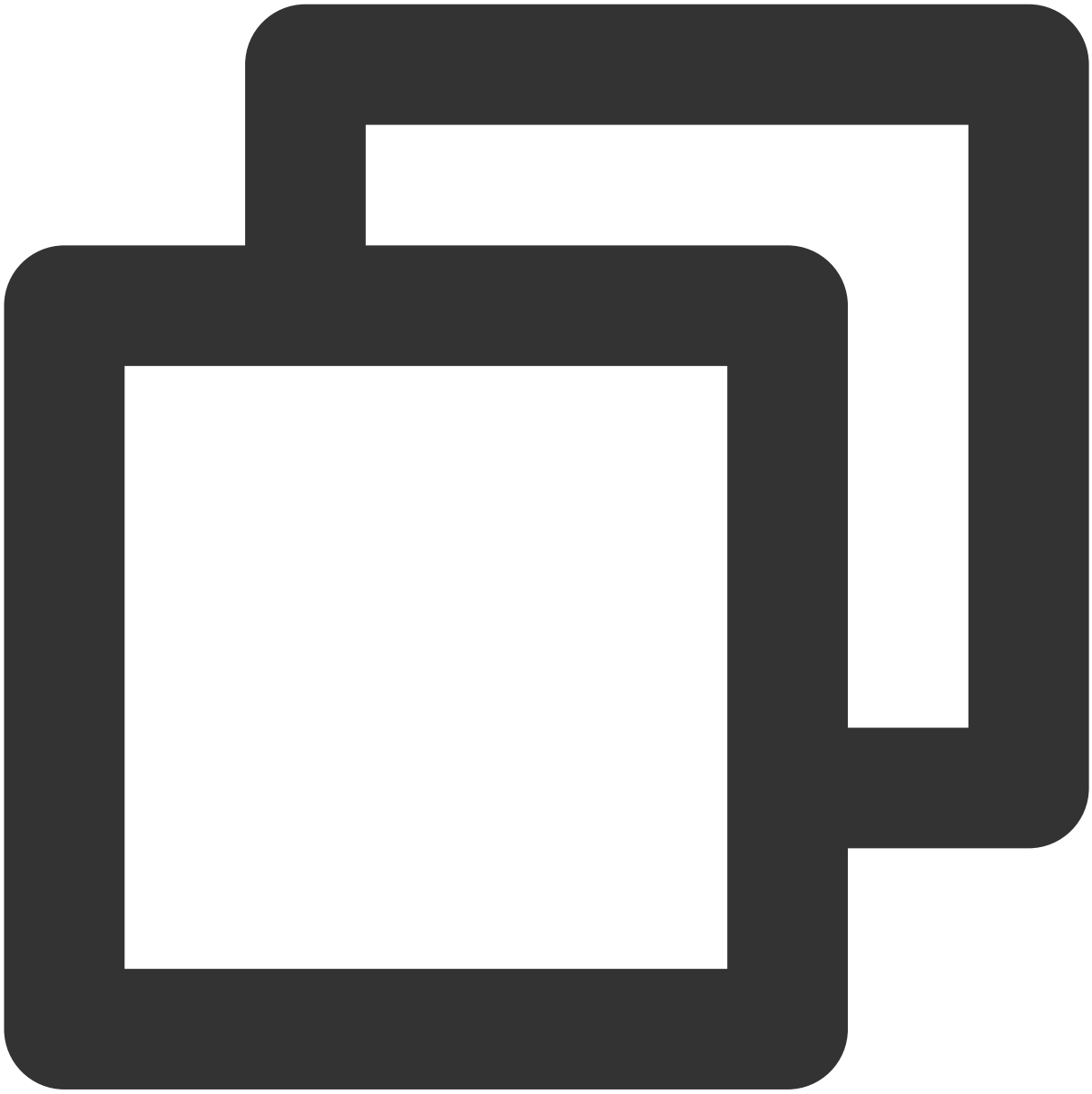


```
GET /docbucket?regions=ap-chongqing HTTP/1.1
Connection: keep-alive
Accept-Encoding: gzip, deflate
Accept: */*
User-Agent: cos-python-sdk-v5.3.2
Host: ci.ap-chongqing.myqcloud.com
```

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```
Content-Type: application/xml
Authorization: Authorization
```

Response



```
HTTP/1.1 200 OK
Date: Mon, 27 Jul 2020 07:00:43 GMT
Content-Type: application/xml
Content-Length: 843
Connection: keep-alive
Server: tencent-ci
```

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```
x-ci-request-id: NWYxZTdiOWJfYzc2OTQzNjRfM2Qz****

<?xml version="1.0" encoding="utf-8"?>
<Response>
        <TotalCount>3</TotalCount>
        <RequestId>NWYxZTdiOWJfYzc2OTQzNjRfM2Qz****</RequestId>
        <PageNumber>1</PageNumber>
        <PageSize>10</PageSize>
        <DocBucketList>
                <Name>examplebucket-1250000000</Name>
                <CreateTime>2020-07-27T10:54:42+0800</CreateTime>
                <Region>ap-chongqing</Region>
                <AliasBucketId/>
                <BucketId>examplebucket-1250000000</BucketId>
        </DocBucketList>
        <DocBucketList>
                <Name>examplebucket-1250000000</Name>
                <CreateTime>2020-07-24T22:42:26+0800</CreateTime>
                <Region>ap-chongqing</Region>
                <AliasBucketId/>
                <BucketId>examplebucket-1250000000</BucketId>
        </DocBucketList>
</Response>
```

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File Transcoding
Sync Request API

Last updated：2024-02-19 16:02:58

Overview

The file preview feature allows generating images from multiple types of files for preview and performing basic processing operations on the output images synchronously. It addresses the display problems of file content on webpages and enables easy online file preview on PC, app, and other terminals. It is widely suitable for diverse business scenarios, such as online education, enterprise OA, and website transcoding.

Note：

To use this feature, you need to click **File Processing** on the management page of a bucket in the CI console, find the **File Preview** configuration item, and toggle it on. Then, you can call a specific file preview API to preview files in the bucket synchronously or asynchronously.

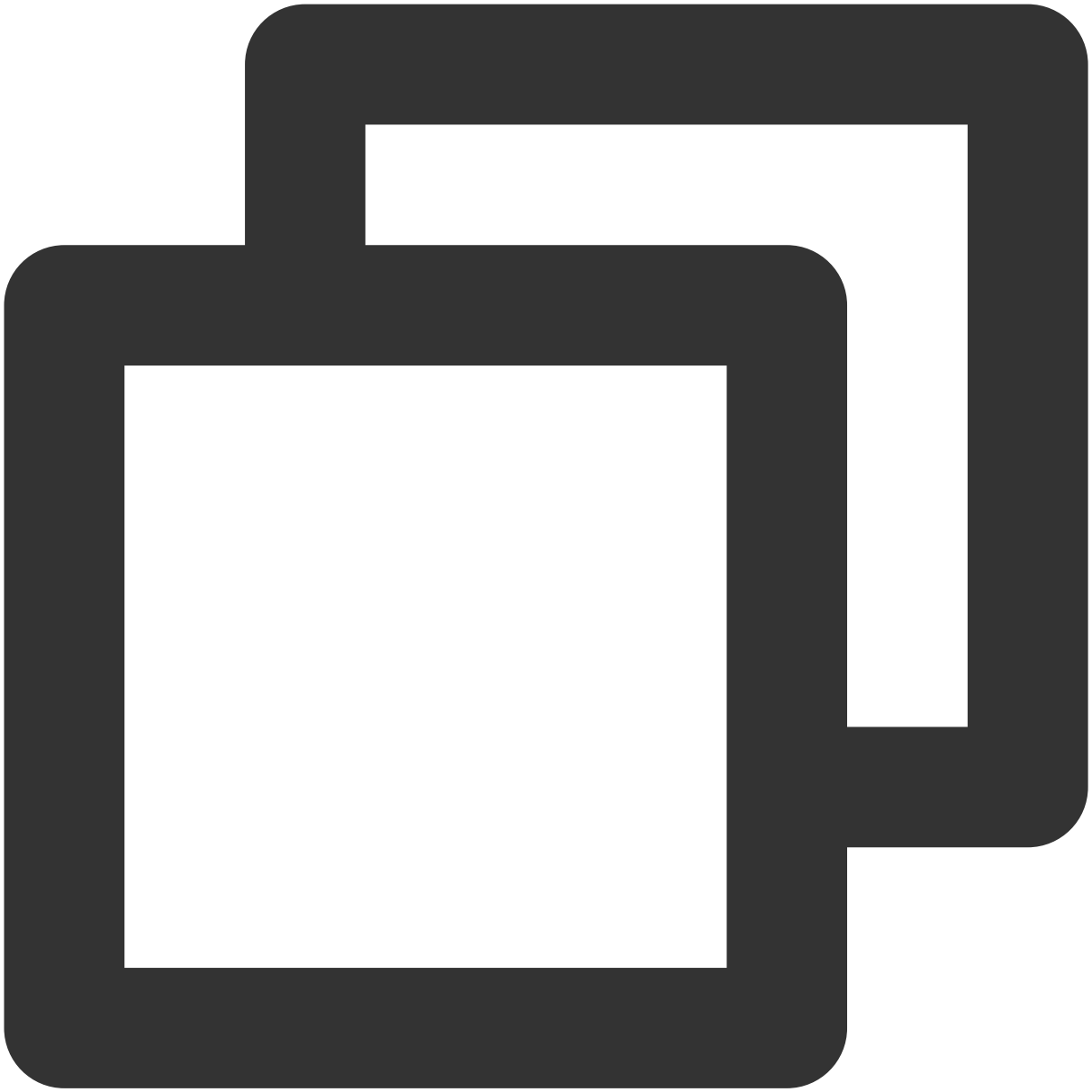
File preview is a paid feature. For billing details, see File Processing Fees.Upon the initial generation of **document preview to image** usage in each account, Cloud Infinite will issue a free quota resource package for document preview to image conversion, encompassing 6000 pages and valid for two months. Normal billing will commence once the usage exceeds the quota or the resource package expires.

The conversion logic of file transcoding is the same as that of local printing. If you need to change the conversion orientation (such as outputting an Excel file with many columns horizontally to one page), you need to change the source file print settings.

Request

Sample request

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```
GET /<ObjectKey>?ci-process=doc-preview&page=<page>&srcType=<srcType>&ImageParams=<
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

For private buckets, the request needs to carry the signature for file download.

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Request headers

This API only uses Common Request Headers.

Common request parameters

Parameter	Description	Type	Required
ObjectKey	Object name, such as `folder/document.pdf` .	String	Yes
ci-process	CI's processing capability, which is fixed at `doc-preview` for file preview.	String	Yes
srcType	Source data type. Currently, the file conversion feature determines the source data type according to the file extension of the COS object. If the object has no extension, you can set this value.	String	No
page	Number of the page to be converted, which is counted from 1 by default. For spreadsheets, `page` indicates to convert the xth image in the xth sheet.	Int	No
dstType	Type of the output target file. Valid values: png jpg pdf (the page number cannot be selected, and the `page` parameter does not take effect) If the input file format cannot be recognized, the `jpg` format will be used by default.	String	No
password	Password to open the Office file. If you need to convert a password-protected file, set this field.	String	No
comment	Whether to hide comments and apply track changes. 0: hide comments and apply track changes; 1: show comments and track changes. Default value: 0.	Int	No

Parameters for spreadsheet files (Excel)

Header	Description	Type	Required
sheet	Sheet parameter, indicating to convert the xth sheet. Default value: 1.	Int	No
excelPaperDirection	Paper orientation of the spreadsheet. 0: vertical; other values: horizontal. Default value: 0.	Int	No
excelPaperSize	Paper (canvas) size. Valid values: 0 (A4), 1 (A2), 2 (A0). Default	Int	No

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	value: 0. This parameter should be used together with `excelRow` or `excelCol`.		

Parameters for transcoding to .png/.jpg images

Name	Description	Type	Required
ImageParams	Processing parameters for the output image. All parameters of basic image processing are supported. To specify multiple parameters, separate them with pipeline operators. In this way, the image can be processed by multiple parameters in sequence in the same request.	String	No
quality	Quality of the generated preview image. Value range: [1, 100]. Default value: 100. For example, if the value is 100, the quality of the generated image will be 100%.	Int	No
scale	Scaling parameter of the preview image. Value range: [10, 200]. Default value: 100. For example, if the value is 200, the image will be scaled up (enlarged) by 200%.	Int	No
imageDpi	Renders the image based on the specified DPI. This parameter works together with `scale`. Value range: 96–600. Default value: 96. The width of the output image must be less than 65500 px.	Int	No

Note:

Currently supported input file types include:

Presentation files: PPTX, PPT, POT, POTX, PPS, PPSX, DPS, DPT, PPTM, POTM, PPSM.

Text files: DOC, DOT, WPS, WPT, DOCX, DOTX, DOCM, DOTM.

Spreadsheet files: XLS, XLT, ET, ETT, XLSX, XLTX, CSV, XLSB, XLSM, XLTM, ETS.

A spreadsheet file may be split into multiple pages, with multiple images generated.

Other files: PDF, LRC, C, CPP, H, ASM, S, JAVA, ASP, BAT, BAS, PRG, CMD, RTF, TXT, LOG, XML, HTM, HTML.

The input file size cannot exceed 200 MB.

The number of pages in the input file cannot exceed 5,000.

The synchronous interface is suitable for PDF files within a hundred pages or for previewing a few pages. For larger files, it is recommended to utilize the asynchronous interface.

Request body

The request body of this request is empty.

Response

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Response headers

This API only returns Common Response Headers.

Response parameter description

Parameter	Description	Type
X-Total-Page	Total number of pages in the file (or images converted from sheets in the spreadsheet file) returned in the HTTP header. This value will be empty in case of an exception.	Int
Content-Type	Different values will be returned based on the actual image format, such as `image/jpeg` and `image/webp` .	String
X-ErrNo	The error code returned in case of an exception, which can be viewed in the HTTP header.	String
X-Total-Sheet	Total number of sheets in the spreadsheet file returned in the HTTP header.	Int
X-Sheet-Name	Name of the current sheet in the spreadsheet file returned in the HTTP header.	String

Error codes

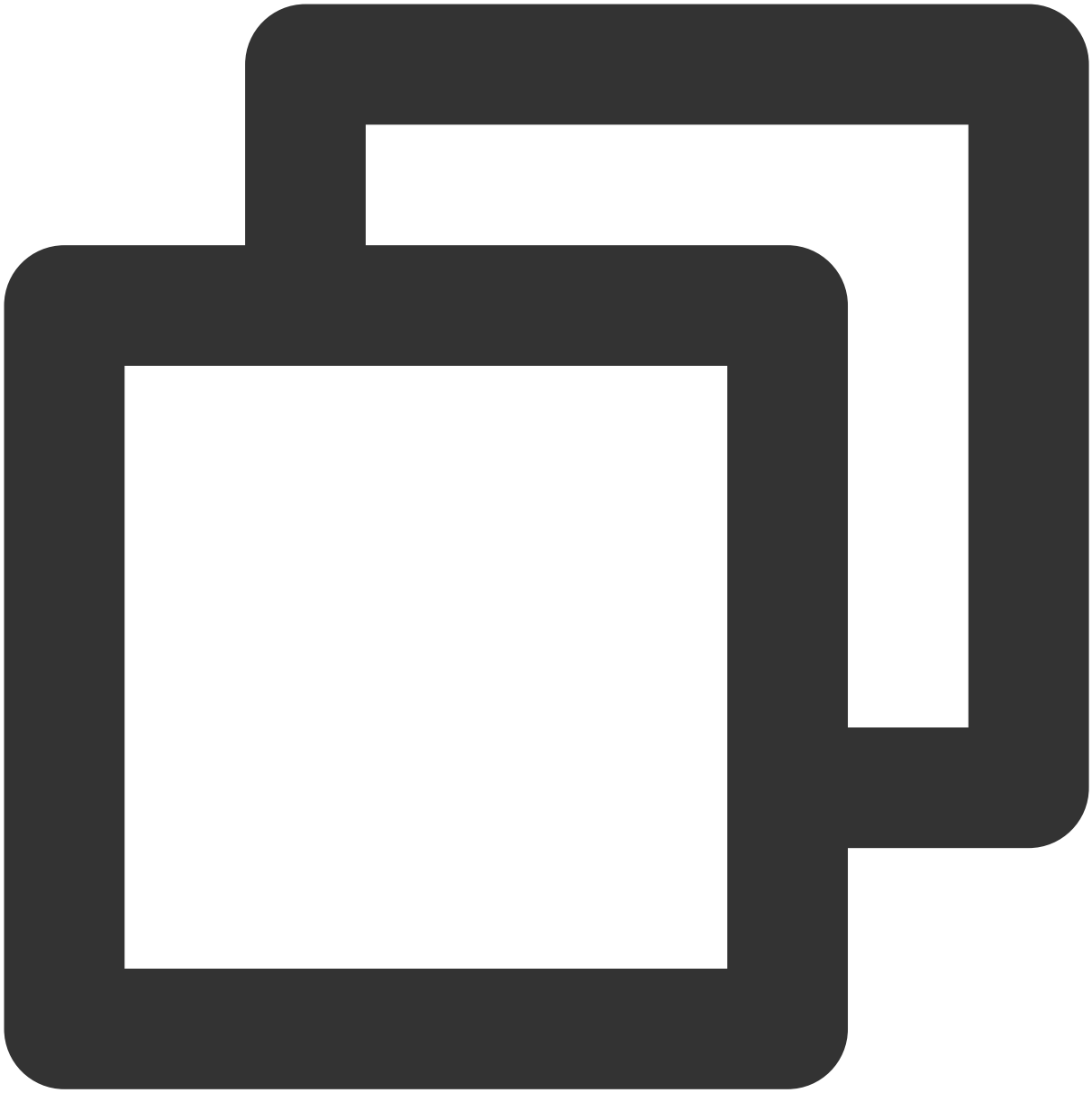
No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Sample 1: Previewing a general file

Request

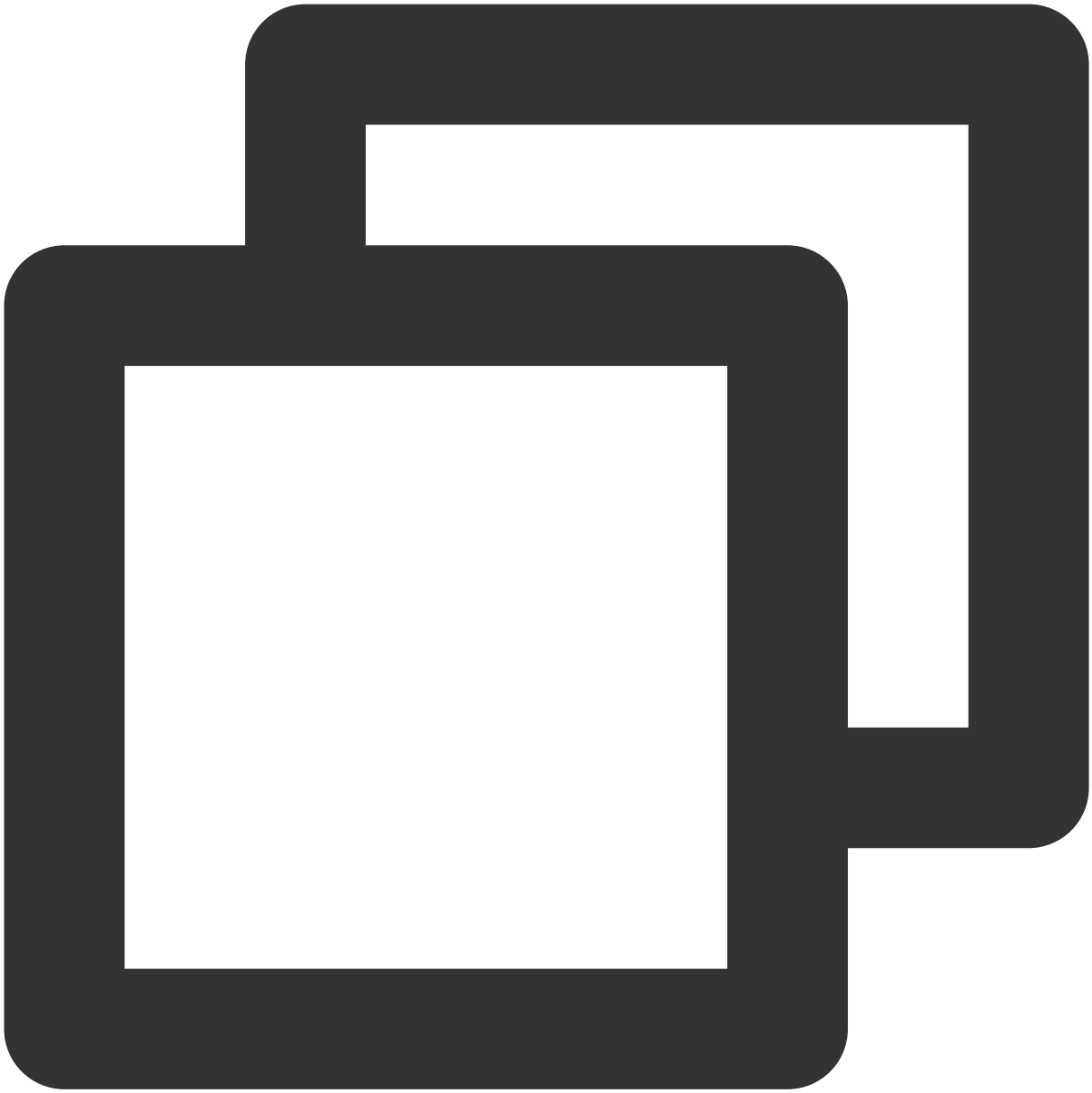
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```
GET /sample.pdf?ci-process=doc-preview&page=1 HTTP/1.1
Host: examplebucket-1250000000.cos.ap-shanghai.myqcloud.com
```

Response 1: Preview succeeds

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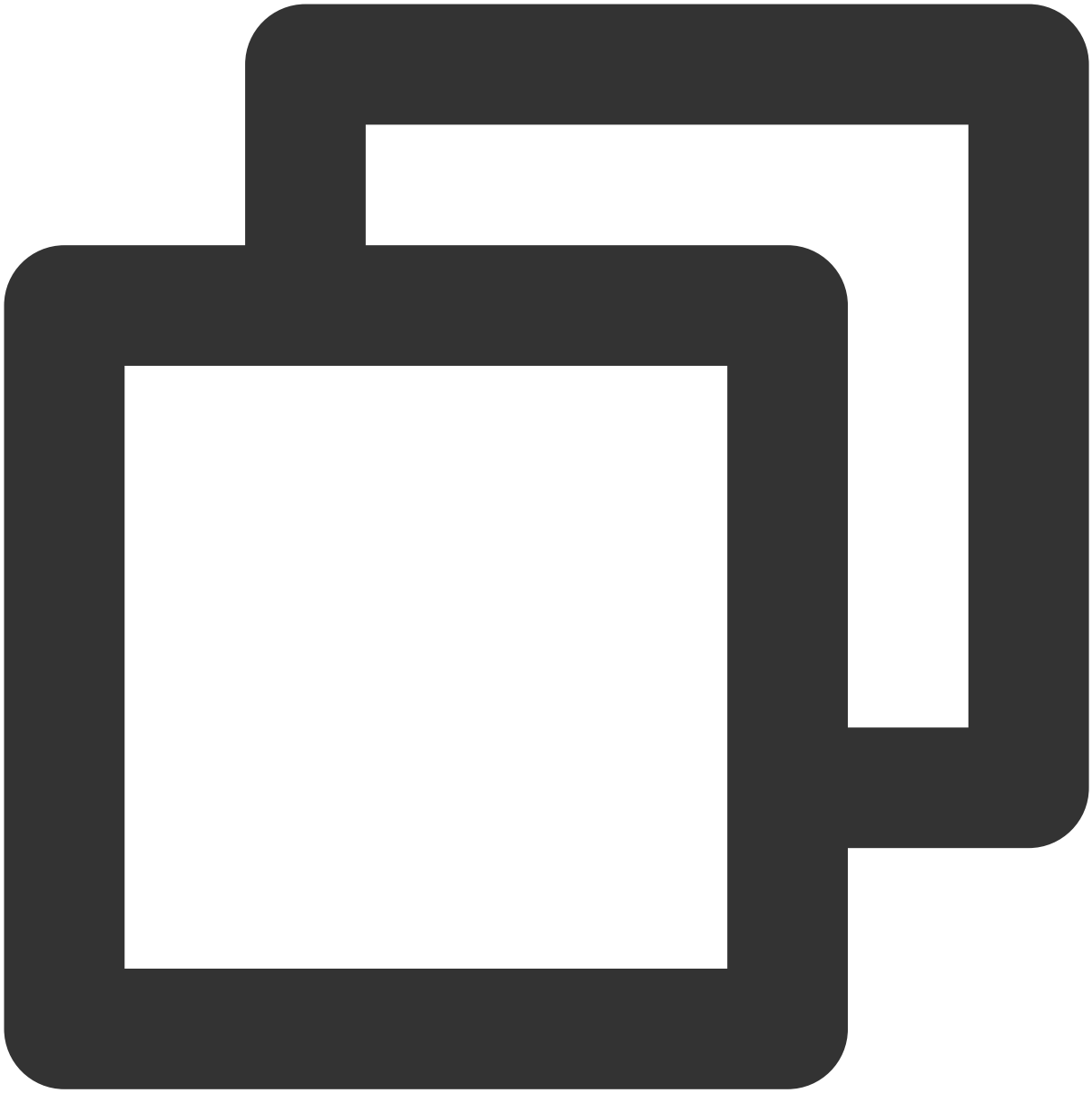


```
HTTP/1.1 200 OK
Content-Type: image/jpeg
Content-Length: 645
Date: Tue, 03 Apr 2018 09:06:16 GMT
X-Total-Page: 100

[Image data after transcoding]
```

Response 2: The file does not exist

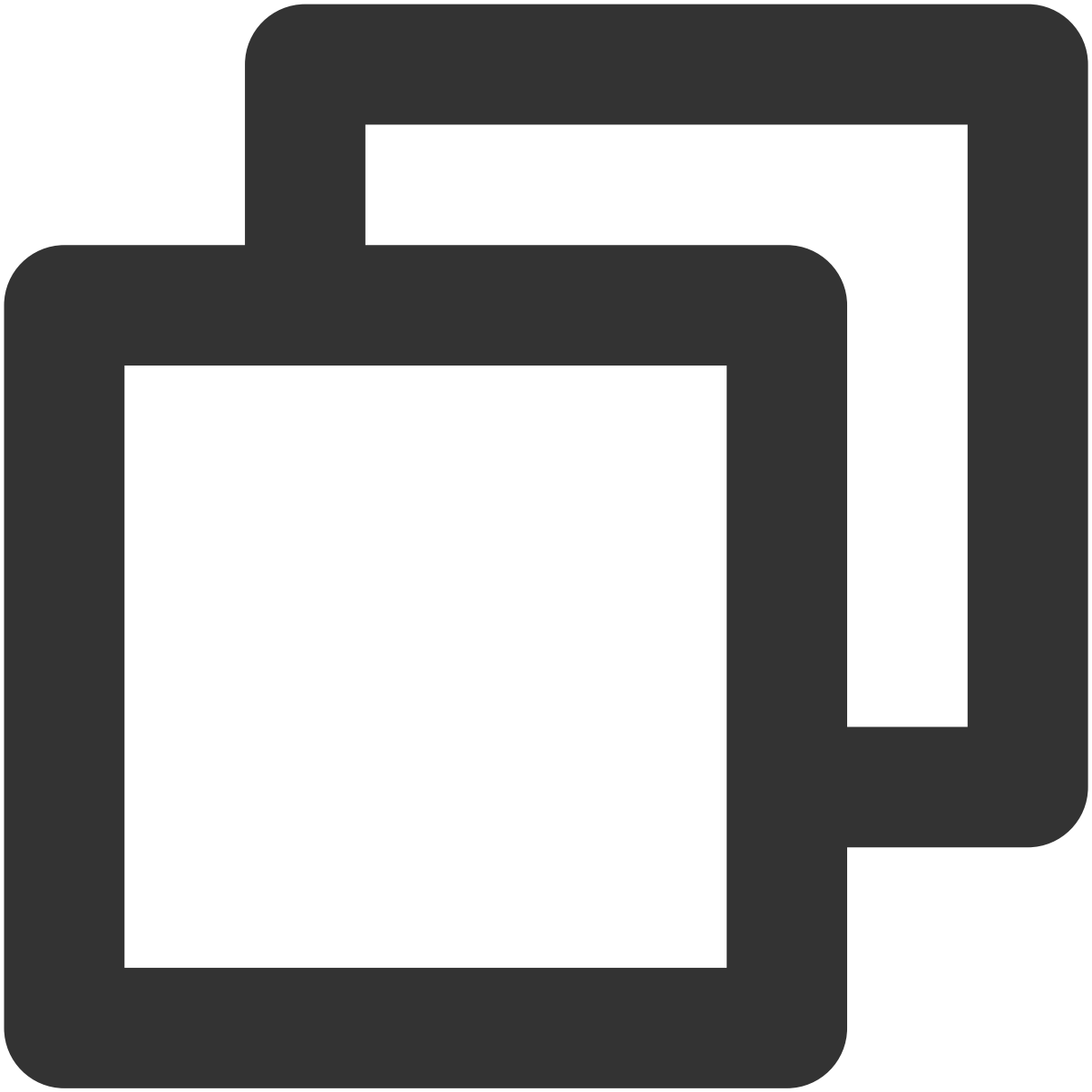
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```
HTTP/1.1 404 OK
Connection: close
Content-Length: 455
Content-Type: application/xml
Date: Thu, 09 Apr 2020 13:44:52 GMT
X-ErrNo: -3004
```

Response 3: The specified page does not exist

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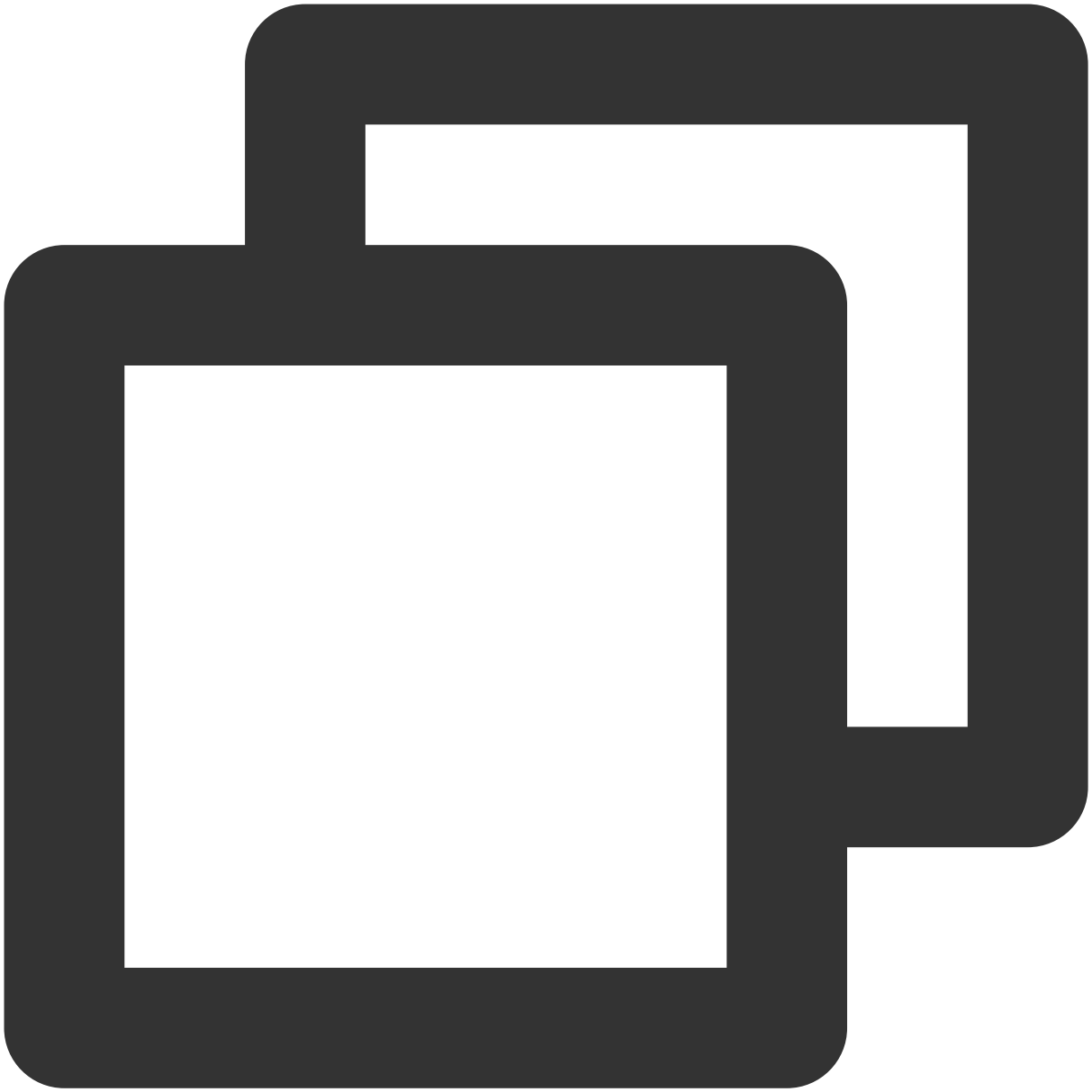


```
HTTP/1.1 404 OK
Connection: close
Content-Length: 455
Content-Type: application/xml
Date: Thu, 09 Apr 2020 13:44:52 GMT
X-ErrNo: -3013
```

Sample 2: Previewing a file and processing the image by scaling it and adding a text watermark

Request

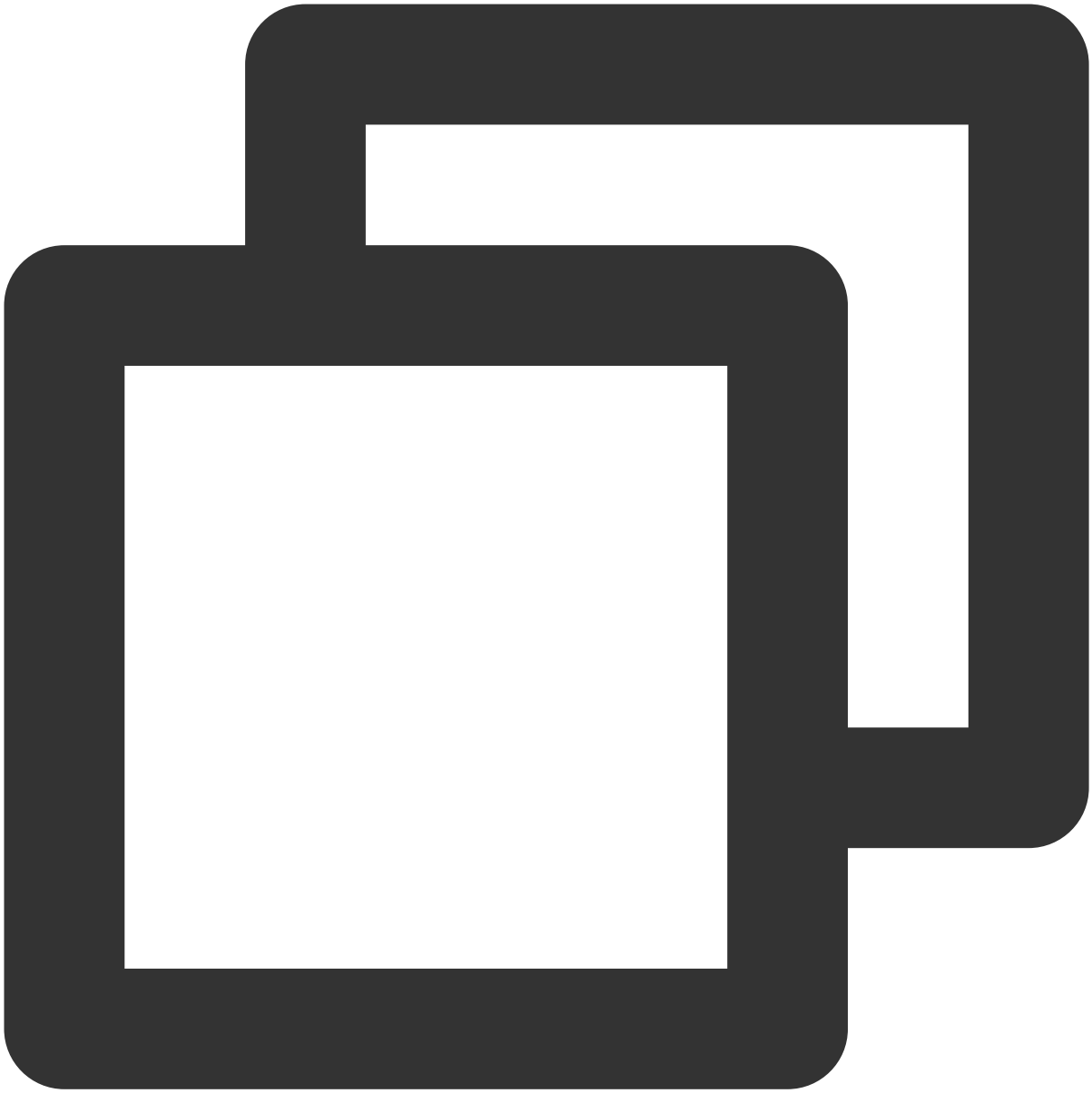
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```
GET /sample.pdf?ci-process=doc-preview&page=1&ImageParams=imageMogr2/thumbnail/!50p
Host: examplebucket-1250000000.cos.ap-shanghai.myqcloud.com
```

Response 1: Preview succeeds

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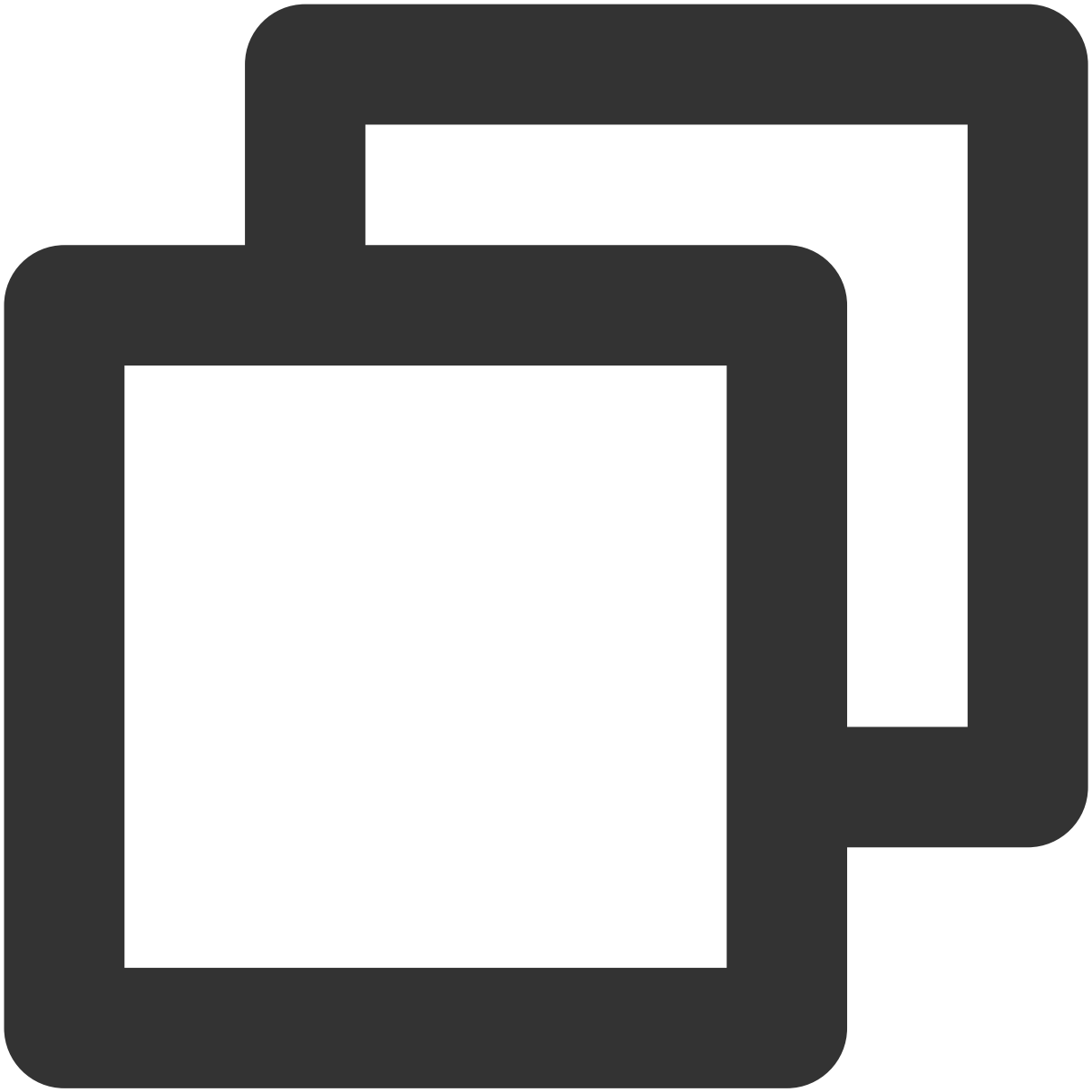


```
HTTP/1.1 200 OK
Content-Type: image/jpeg
Content-Length: 645
Date: Tue, 03 Apr 2018 09:06:16 GMT
X-Total-Page: 100

[Image data after transcoding]
```

Response 2: The file does not exist

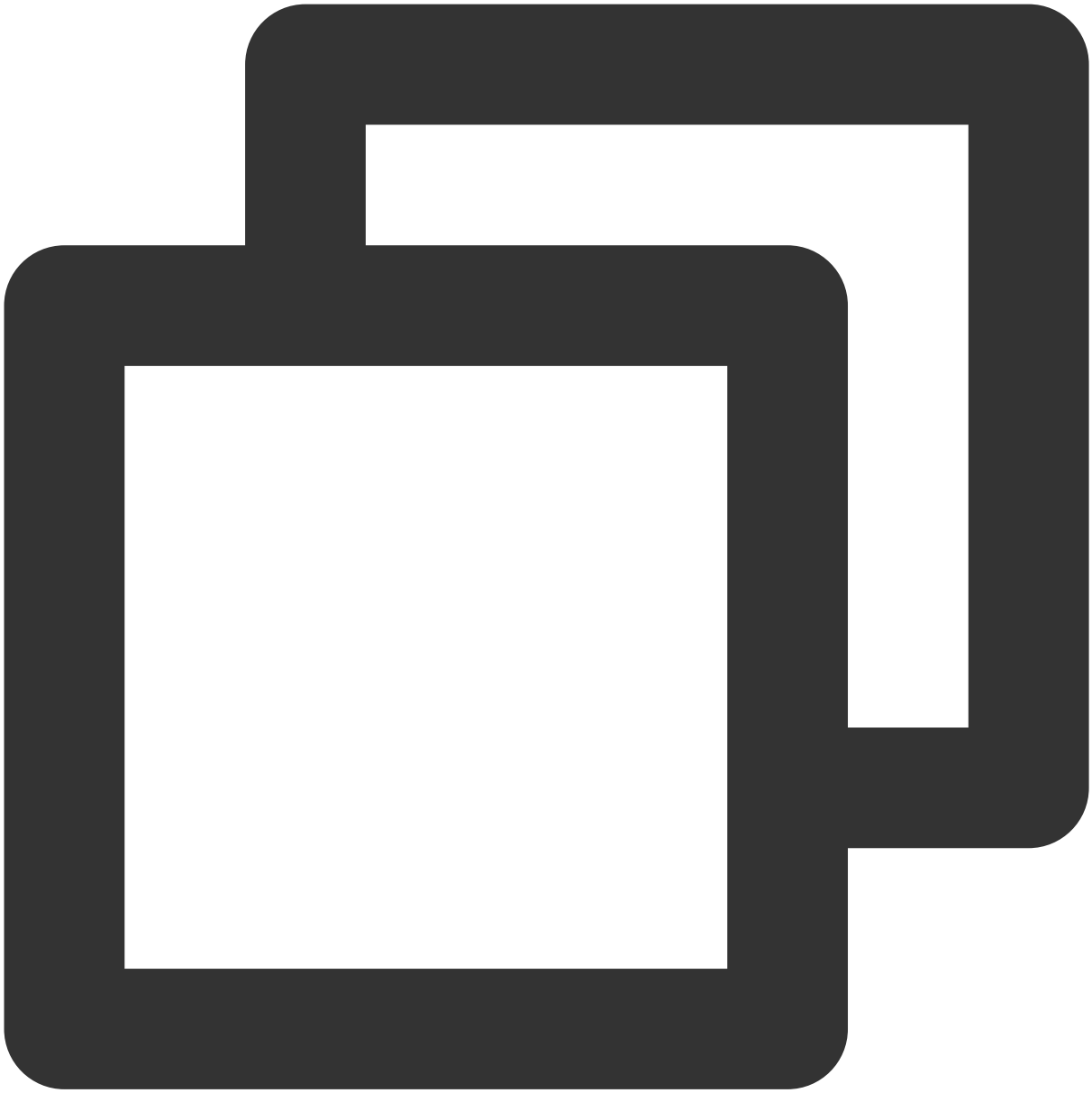
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```
HTTP/1.1 404 OK
Connection: close
Content-Length: 455
Content-Type: application/xml
Date: Thu, 09 Apr 2020 13:44:52 GMT
X-ErrNo: -3004
```

Response 3: The specified page does not exist

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```
HTTP/1.1 404 OK
Connection: close
Content-Length: 455
Content-Type: application/xml
Date: Thu, 09 Apr 2020 13:44:52 GMT
X-ErrNo: -3013
```

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Async Processing Job APIs
Submitting File Transcoding Job

Last updated：2024-02-19 16:02:58

Overview

This API (`CreateDocProcessJobs`) is used to submit a file transcoding job.

Note:

Currently supported input file types include:

Presentation files: PPTX, PPT, POT, POTX, PPS, PPSX, DPS, DPT, PPTM, POTM, PPSM.

Text files: DOC, DOT, WPS, WPT, DOCX, DOTX, DOCM, DOTM.

Spreadsheet files: XLS, XLT, ET, ETT, XLSX, XLTX, CSV, XLSB, XLSM, XLTM, ETS.

A spreadsheet file may be split into multiple pages, with multiple images generated.

Other files: PDF, LRC, C, CPP, H, ASM, S, JAVA, ASP, BAT, BAS, PRG, CMD, RTF, TXT, LOG, XML, HTM, HTML.

The input file size cannot exceed 200 MB.

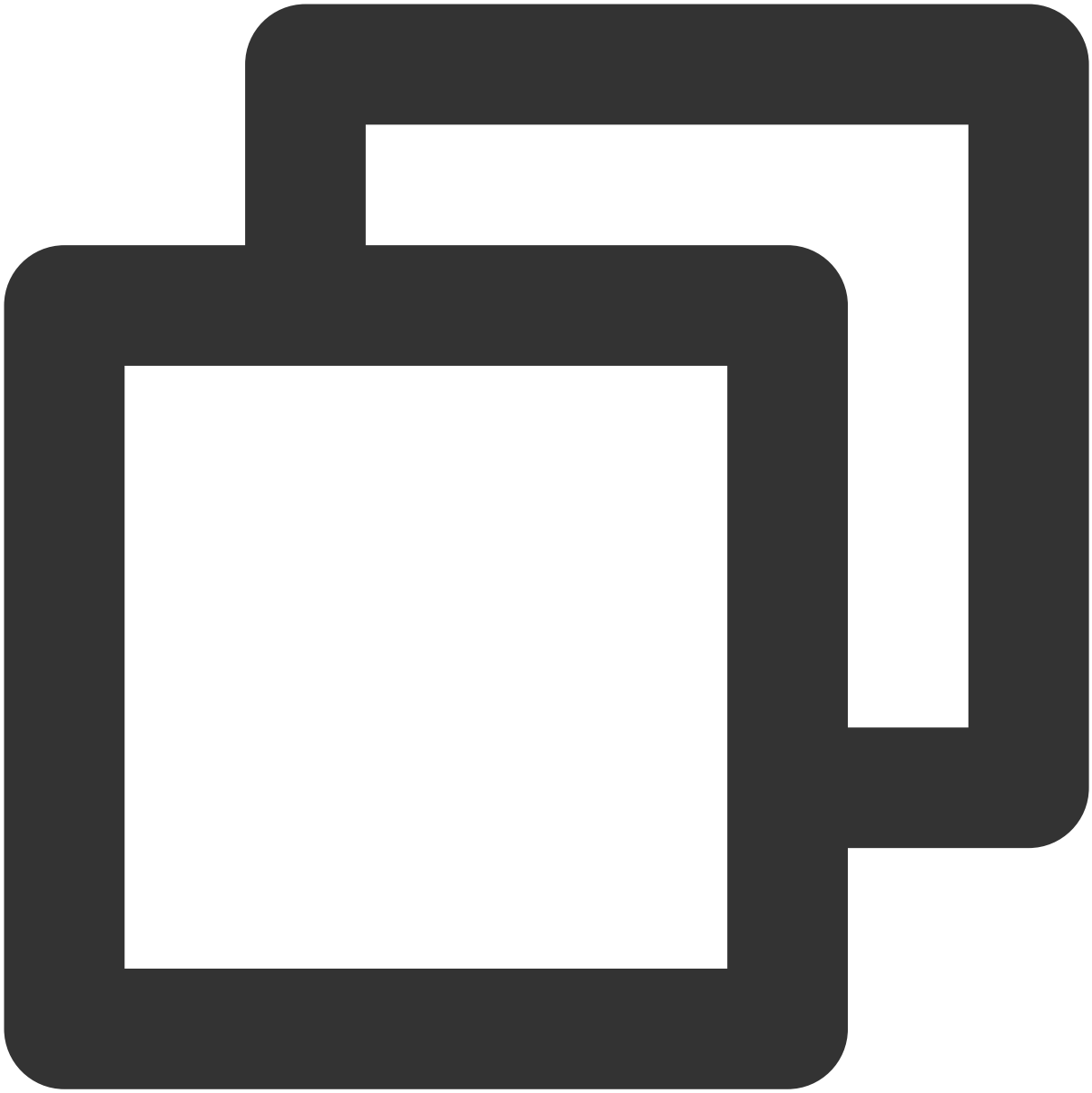
The number of pages in the input file cannot exceed 5,000.

Job records are retained for one month. Save them in time. We recommend you configure callbacks to query job results.

Request

Sample request

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```
POST /doc_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (See Request Signature for details.)

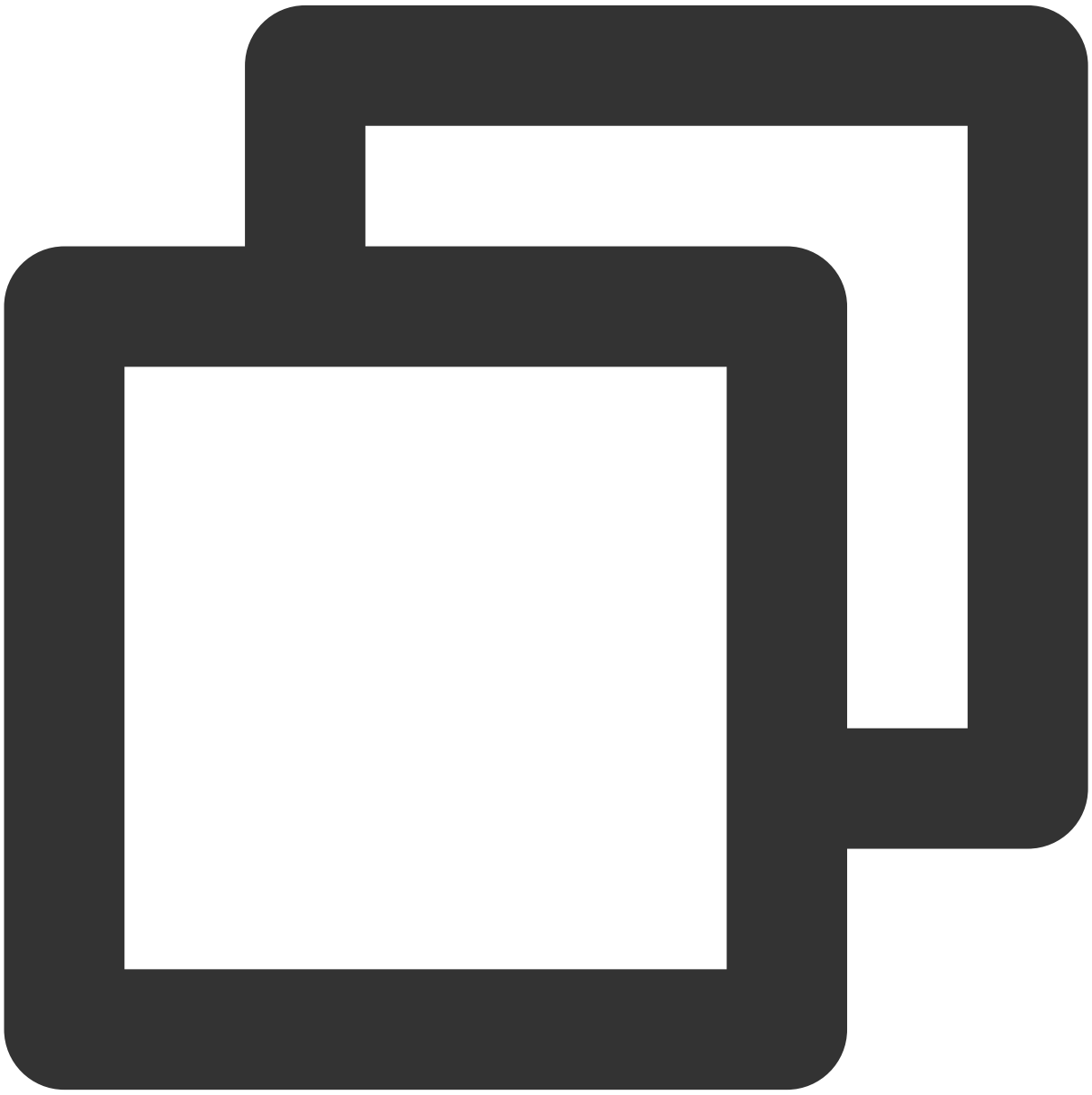
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
  <Tag></Tag>
  <Input>
    <Object></Object>
  </Input>
  <Operation>
    <Output>
      <Region></Region>
      <Bucket></Bucket>
      <Object></Object>
    </Output>
    <DocProcess>
       <StartPage></StartPage>
       <EndPage></EndPage>
       <TgtType></TgtType>
    </DocProcess>
  </Operation>
  <QueueId></QueueId>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	API Type	Required
Request	N/A	Request container	Container	Supported

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	API Type	Required
Tag	Request	Job type, which currently can only be `DocProcess`.	String	Supported
Input	Request	The object to be processed	Container	Supported
Operation	Request	Operation rule	Container	Supported
QueueId	Request	Queue ID of the job, which is automatically generated after the preview service is activated. Use the API for querying file transcoding queue to get it, or query it in the bucket in the CI console.	String	Supported

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`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	API Type	Required
Object	Request.Input	File URL in COS. `Bucket` is specified by `Host`.	String	Supported

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
DocProcess	Request.Operation	Task type parameter, which takes effect only if `Tag` is `DocProcess` .	Container	Yes
Output	Request.Operation	Result output address	Container	Yes

`DocProcess` has the following sub-nodes:

Common request parameters

Node Name (Keyword)	Parent Node	Description	Type	Required
SrcType	Request.Operation.DocProcess	Source data type. Currently, the file conversion feature determines the source data type according to the file extension of the COS object. If the object has no extension, you can set this value.	String	Yes
TgtType	Request.Operation.DocProcess	Type of the output target file. Valid values: jpg, png, pdf. If the input file format cannot be recognized, the `jpg` format will be used by default. You cannot specify pages for the `pdf` format.	String	No
StartPage	Request.Operation.DocProcess	Starts conversion from page X. A spreadsheet file may be split into multiple pages, with multiple images	Int	No

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		generated, and `StartPage` indicates to start the conversion from page X of the specified `SheetId`. Default value: 1.		
EndPage	Request.Operation.DocProcess	Ends conversion on page X. A spreadsheet file may be split into multiple pages, with multiple images generated, and `EndPage` indicates to end the conversion on page X of the specified `SheetId`. Default value: -1 (converting all pages).	Int	No

Parameters for spreadsheet files (Excel)

Node Name (Keyword)	Parent Node	Description	Type	Required
SheetId	Request.Operation.DocProcess	Sheet parameter, indicating to convert the xth sheet. Default value: 0 (converting all sheets).	Int	No
PaperDirection	Request.Operation.DocProcess	Paper orientation of the spreadsheet. 0: vertical; other values: horizontal. Default value: 0.	Int	No
PaperSize	Request.Operation.DocProcess	Page (canvas) size. Valid values: 0 (A4), 1 (A2), 2 (A0). Default value: 0.	Int	No

Parameters for transcoding to .png/.jpg images

Node Name (Keyword)	Parent Node	Description	Type	Required
ImageParams	Request.Operation.DocProcess	Processing parameters for the output image. All parameters of basic image processing are supported. To specify multiple parameters, separate them by pipeline operator. In this way, the image can be processed by	String	No

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		multiple parameters in sequence in the same request.		
Quality	Request.Operation.DocProces	Quality of the generated preview image. Value range: [1-100]. Default value: 100. For example, if the value is 100, the quality of the generated image will be 100%.	Int	No
Zoom	Request.Operation.DocProces	Scaling parameter of the preview image. Value range: [10-200]. Default value: 100. For example, if the value is 200, the image will be scaled up (enlarged) by 200%.	Int	No
ImageDpi	Request.Operation.DocProcess	Renders the image according to the specified DPI. This parameter works together with `Zoom`. Value range: 96–600. Default value: 96. The width of the output image must be less than 65500 px.	Int	No
PicPagination	Request.Operation.DocProcess	Whether to convert to a single long image. When this parameter is set to 1, up to 20 standard pages can be converted to a single long image, and more pages will cause an error. The page range can be controlled by `StartPage` and `EndPage`. The default value is 0, indicating to output images by page. This parameter will take effect only if `TgtType` is `png` or `jpg`.	Int	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes

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Object	Request.Operation.Output	Output file path. **For non-spreadsheet files, the output file name must include the ${Number} or ${Page} parameter.** If there are multiple output files, ${Number} indicates that serial numbers start from 1, and ${Page} indicates that serial numbers are the same as preview page numbers. `${Number}` indicates that serial numbers start from 1 for multiple output files; for example, if the input parameter is abc_${Number}.jpg to preview pages 5–6 in the file, then output file names will be abc_1.jpg and abc_2.jpg. `${Page}` indicates that serial numbers are the same as preview page numbers for multiple output files; for example, if the input parameter is abc_${Page}.jpg to preview pages 5–6 in the file, then the output file names will be abc_5.jpg and abc_6.jpg. **For spreadsheet files, the output file path must include the ${SheetID} placeholder, and the output file name must include the ${Number} parameter.** For example, if the input parameter is `/${SheetID}/abc_${Number}.jpg`, then the corresponding number of folders will be generated first according to the number of Excel sheets to be converted, and then the corresponding number of image files will be generated in these folders.	String	Yes

Response

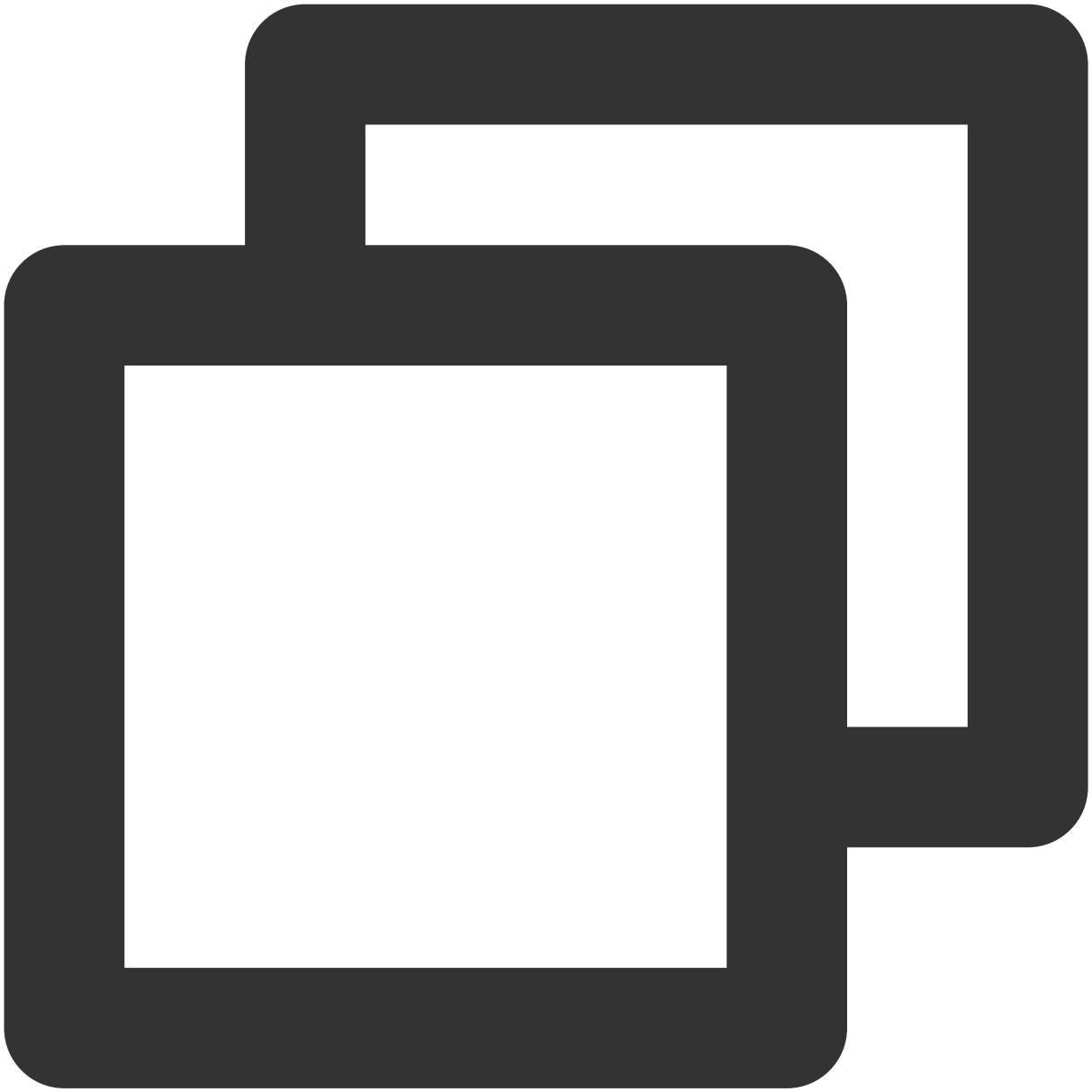
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
        <JobsDetail>
                <Code></Code>
                <CreationTime></CreationTime>
                <EndTime></EndTime>
                <Input>
                    <Object></Object>
                </Input>
                <JobId></JobId>
                <Message/>
                <Operation>
```

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```
                    <DocProcess>
                        <SrcType></SrcType>
                        <TgtType></TgtType>
                        <StartPage></StartPage>
                        <EndPage></EndPage>
                        <ImageParams></ImageParams>
                    </DocProcess>
                    <Output>
                        <Bucket></Bucket>
                        <Object></Object>
                        <Region></Region>
                    </Output>
                </Operation>
                <QueueId></QueueId>
                <State></State>
                <Tag></Tag>
        </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type: DocProcess	String
State	Response.JobsDetail	Job status. Valid values: `Submitted` ,	String

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		`Running` , `Success` , `Failed` , `Pause` , `Cancel` .	
CreationTime	Response.JobsDetail	Job creation time	String
QueueId	Response.JobsDetail	Queue ID of the job	String
Input	Response.JobsDetail	Input file path of the job	Container
Operation	Response.JobsDetail	Operation rule. Up to 6 operation rules are supported.	Container

`Input` has the following sub-nodes:

Same as the `Request.Input` node in the request.

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
DocProcess	Response.JobsDetail.Operation	File preview job parameter	Container
Output	Response.JobsDetail.Operation	File output address	Container

`DocProcess` has the following sub-nodes:

Same as the `Request.Operation.DocProcess` node in the request.

`Output` has the following sub-nodes:

Same as the `Request.Operation.Output` node in the request.

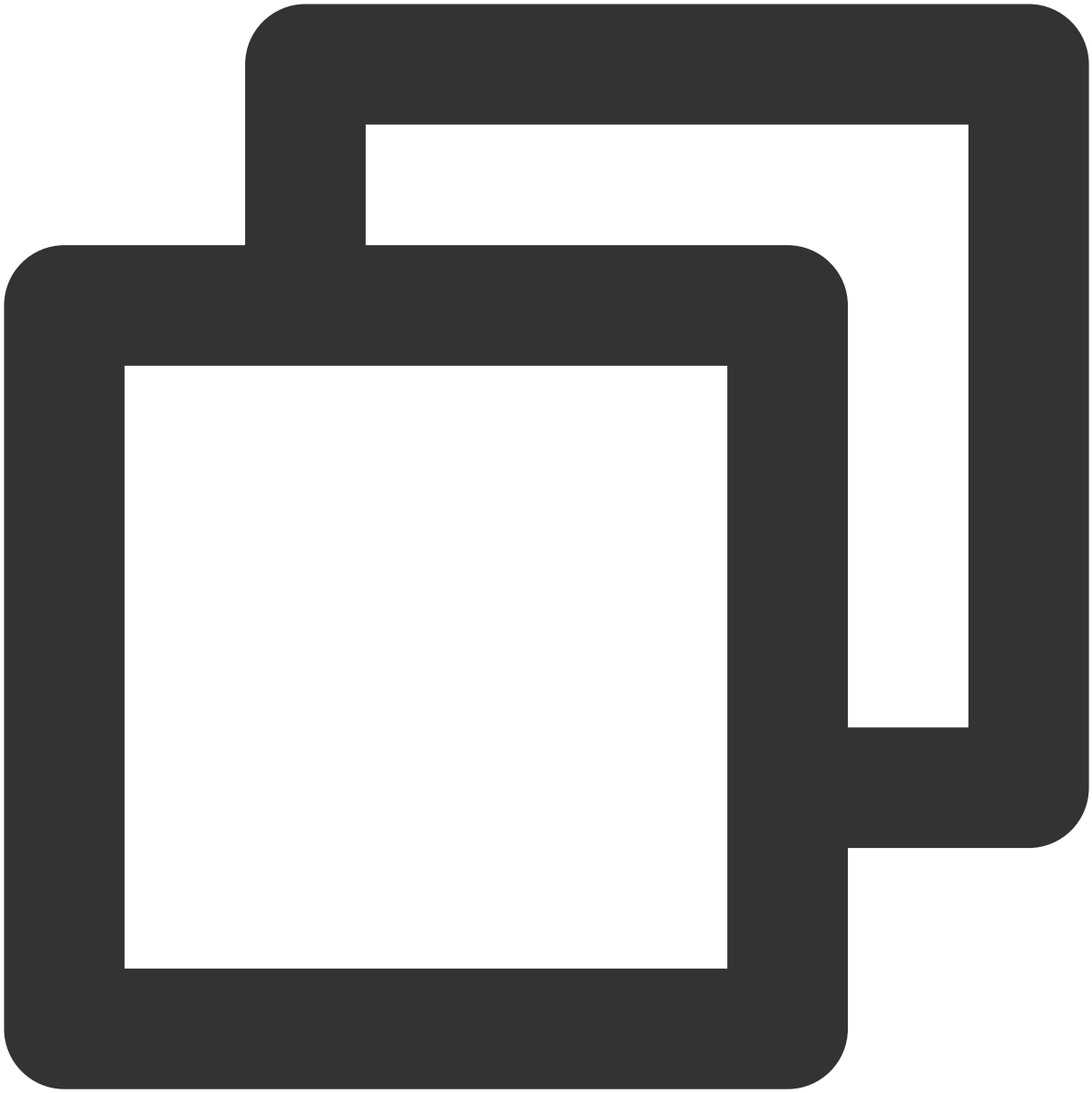
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

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```
POST /doc_jobs HTTP/1.1
Connection: keep-alive
Accept-Encoding: gzip, deflate
Accept: */*
User-Agent: cos-python-sdk-v5.3.2
Host: examplebucket-1250000000.ci.ap-chongqing.myqcloud.com
Content-Type: application/xml
Content-Length: 546
Authorization: Authorization

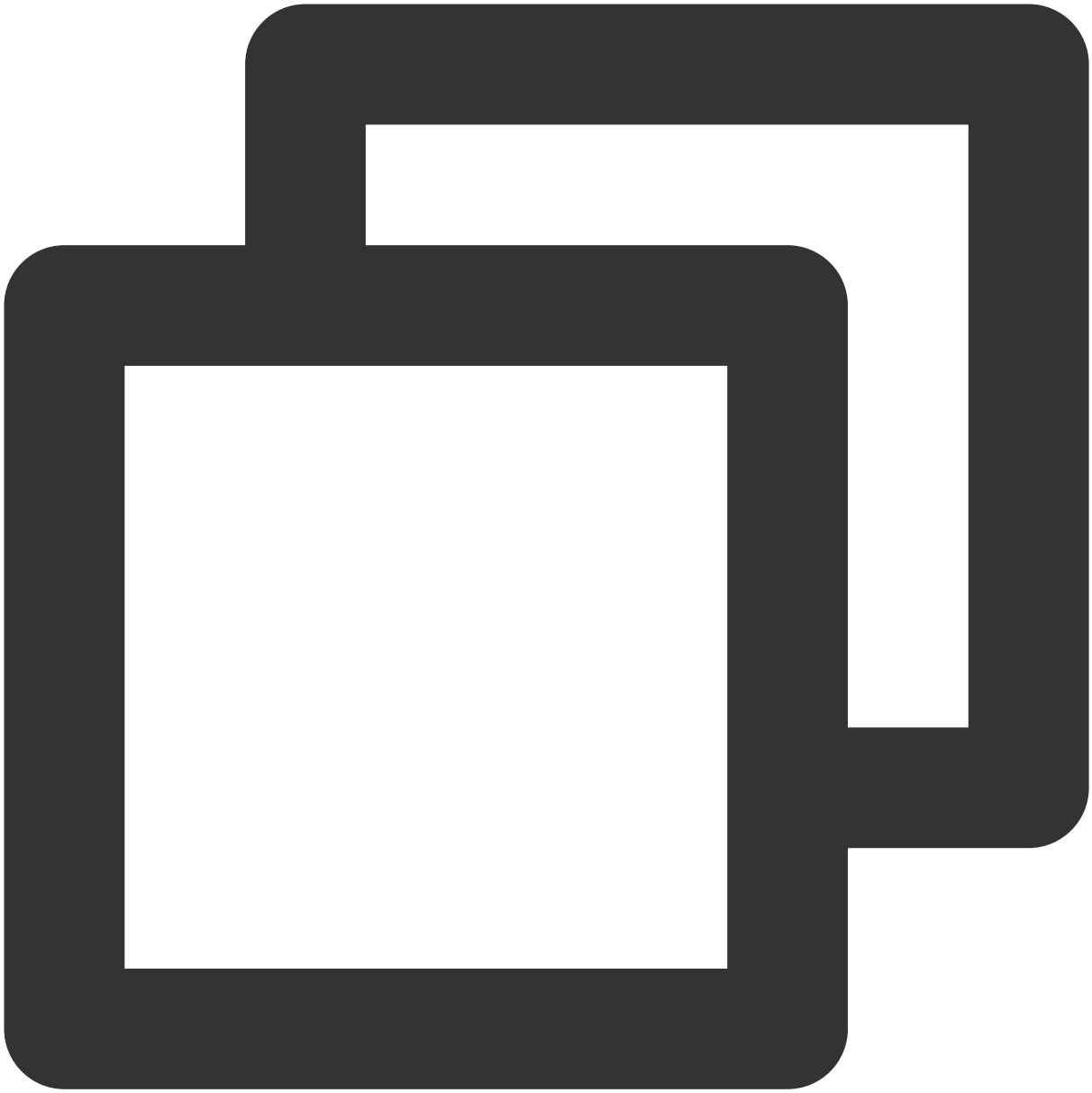
<?xml version="1.0" encoding="UTF-8" ?>
```

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```
<Request>
    <Input>
        <Object>1.doc</Object>
    </Input>
    <Operation>
      <Output>
          <Region>ap-chongqing</Region>
          <Object>big/test-${Number}</Object>
          <Bucket>examplebucket-1250000000</Bucket>
      </Output>
      <DocProcess>
          <TgtType>png</TgtType>
          <StartPage>1</StartPage>
          <EndPage>-1</EndPage>
          <ImageParams>watermark/1/image/aHR0cDovL3Rlc3QwMDUtMTI1MTcwNDcwOC5jb3MuYX
      </DocProcess>
    </Operation>
    <Tag>DocProcess</Tag>
    <QueueId>p532fdead78444e649e1a4467c1cd19d3</QueueId>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Date: Mon, 27 Jul 2020 07:20:08 GMT
Content-Type: application/xml
Content-Length: 863
Connection: keep-alive
Server: tencent-ci
x-ci-request-id: NWYxZTgwMjhfYzc2OTQzNjRfMzUx****

<?xml version="1.0" encoding="utf-8"?>
<Response>
        <JobsDetail>
```

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```
                <Code>Success</Code>
                <CreationTime>2020-07-27T15:20:08+0800</CreationTime>
                <EndTime>-</EndTime>
                <Input>
                        <Object>1.doc</Object>
                </Input>
                <JobId>d99b3127ecfd911eab5e60dedb7c395dd</JobId>
                <Message/>
                <Operation>
                        <DocProcess>
                                <EndPage>5001</EndPage>
                                <ImageParams>watermark/1/image/aHR0cDovL3Rlc3QwMDUt
                                <SrcType/>
                                <StartPage>1</StartPage>
                                <TgtType>png</TgtType>
                        </DocProcess>
                        <Output>
                                <Bucket>examplebucket-1250000000</Bucket>
                                <Object>big/test-${Number}</Object>
                                <Region>ap-chongqing</Region>
                        </Output>
                </Operation>
                <QueueId>p532fdead78444e649e1a4467c1cd19d3</QueueId>
                <State>Submitted</State>
                <Tag>DocProcess</Tag>
        </JobsDetail>
</Response>
```

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Querying Specified File Transcoding Job

Last updated：2024-02-19 16:02:58

Overview

This API (`DescribeDocProcessJob`) is used to query a specified file transcoding job.

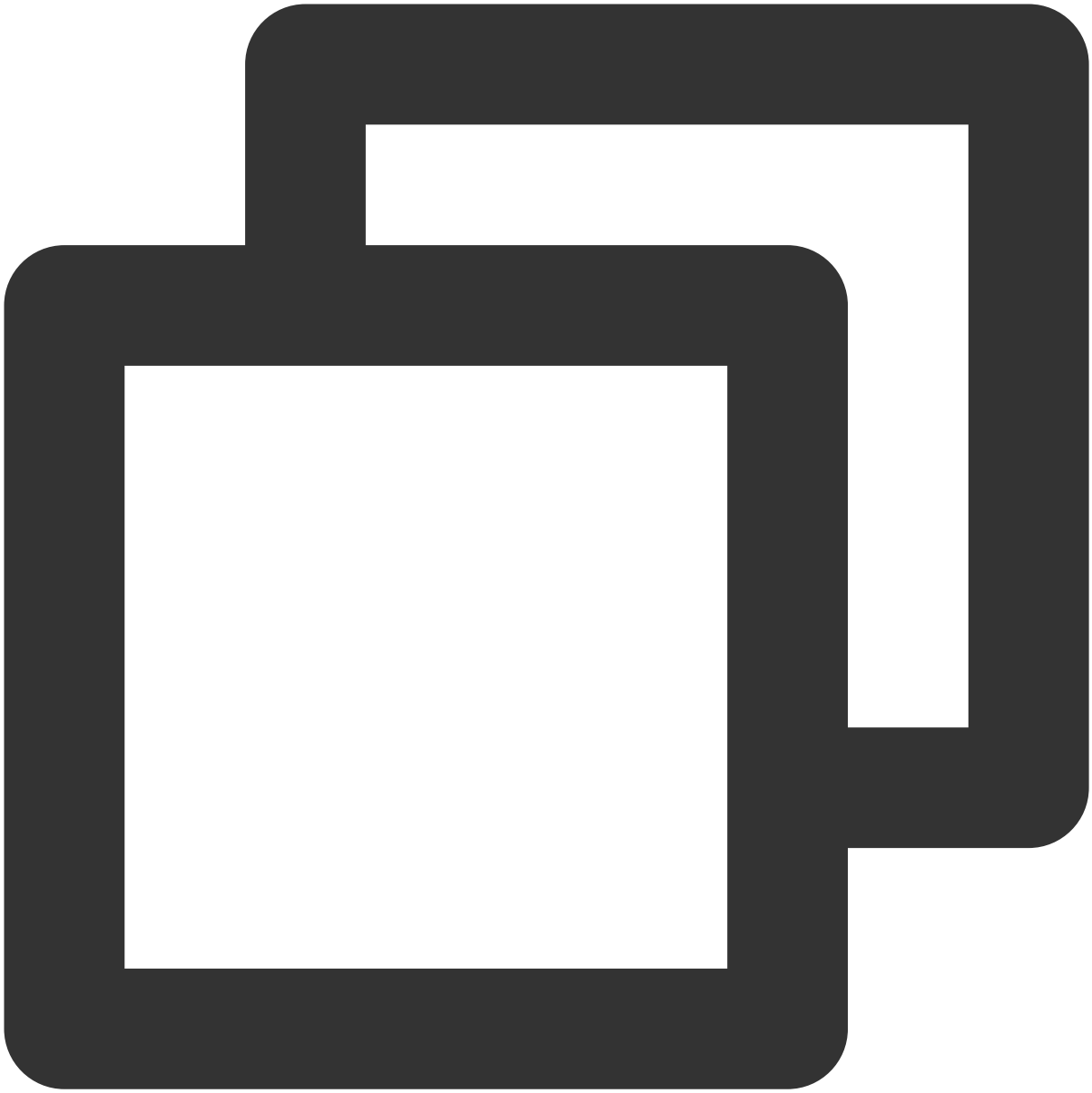
Request

Note:

File preview job records are retained for one month. Save them in time. We recommend you configure callbacks to query job results.

Sample request

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```
GET /doc_jobs/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: GMT Date
Authorization: Auth String
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses Common Request Headers.

Request body

This request does not have a request body.

Response

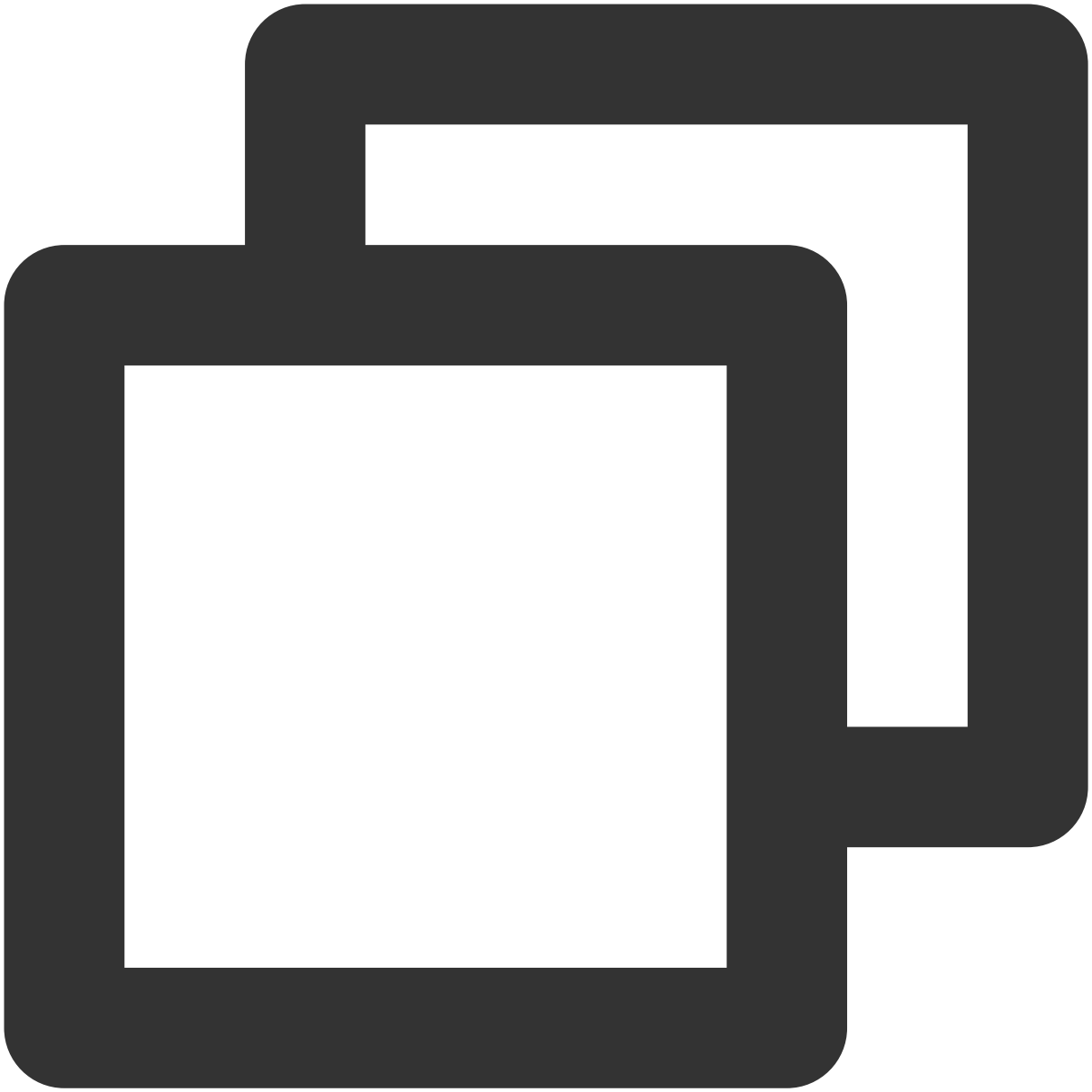
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
        <JobsDetail>
                <Code></Code>
                <CreationTime></CreationTime>
                <EndTime></EndTime>
                <Input>
                        <Object></Object>
                </Input>
                <JobId></JobId>
                <Message> </Message>
                <Operation>
```

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```
                        <DocProcess>
                                <EndPage></EndPage>
                                <ImageParams></ImageParams>
                                <SrcType></SrcType>
                                <StartPage></StartPage>
                                <TgtType></TgtType>
                        </DocProcess>
                        <DocProcessResult>
                                <FailPageCount></FailPageCount>
                                <PageInfo>
                                        <PageNo></PageNo>
                                        <TgtUri></TgtUri>
                                </PageInfo>
                                <SuccPageCount></SuccPageCount>
                                <TaskId></TaskId>
                                <TgtType></TgtType/>
                                <TotalPageCount></TotalPageCount>
                        </DocProcessResult>
                        <Output>
                                <Bucket></Bucket>
                                <Object></Object>
                                <Region></Region>
                        </Output>
                </Operation>
                <QueueId></QueueId>
                <State></State>
                <Tag></Tag>
        </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details, which is the same as the `Response.JobsDetail` node in the CreateDocProcessJobs API.	Container
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node will not be returned.	String

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`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
DocProcess	Response.JobsDetail.Operation	File preview job parameter, which is the same as the `Request.Operation.DocProcess` node in the CreateDocProcessJobs API.	Container
DocProcessResult	Response.JobsDetail.Operation	Returned file preview job result details when the job type is `DocProcess` and the status is `success`.	Container
Output	Response.JobsDetail.Operation	Result output address, which is the same as the `Request.Operation.Output` node in the CreateDocProcessJobs API.	Container

`DocProcessResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
PageInfo	Response.JobsDetail.Operation.DocProcessResult	Preview job result details	Container
TgtType	Response.JobsDetail.Operation.DocProcessResult	Target preview result format	String
TotalPageCount	Response.JobsDetail.Operation.DocProcessResult	Total number of preview results	Int
SuccPageCount	Response.JobsDetail.Operation.DocProcessResult	Number of successful preview results	Int
FailPageCount	Response.JobsDetail.Operation.DocProcessResult	Number of failed preview results	Int
TotalSheetCount	Response.JobsDetail.Operation.DocProcessResult	Total number of sheets in the preview job (for Excel source files only)	Int

`PageInfo` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type
PageNo	Response.JobsDetail.Operation.DocProcessResult.PageInfo	Page number of the preview result (or `SheetId` for Excel source files)	Container
TgtUri	Response.JobsDetail.Operation.DocProcessResult.PageInfo	COS bucket path of the preview result	Int
X-SheetPics	Response.JobsDetail.Operation.DocProcessResult.PageInfo	Total number of images generated from the current sheet (for Excel source files only)	Int
PicIndex	Response.JobsDetail.Operation.DocProcessResult.PageInfo	Number of the current preview result in the entire source file (for Excel source files only)	Int
PicNum	Response.JobsDetail.Operation.DocProcessResult.PageInfo	Number of the current preview result in the sheet (for Excel source files only)	Int

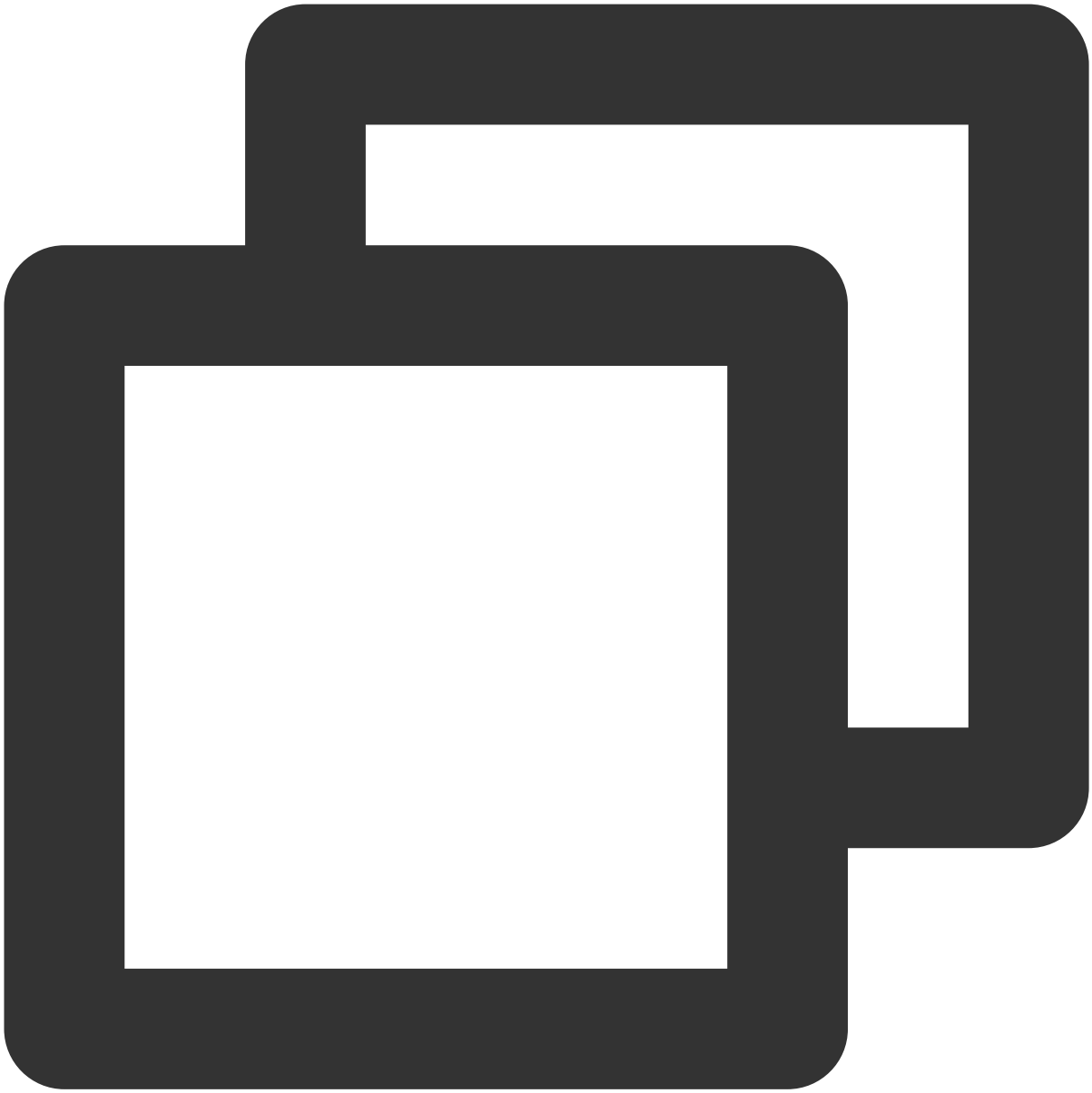
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

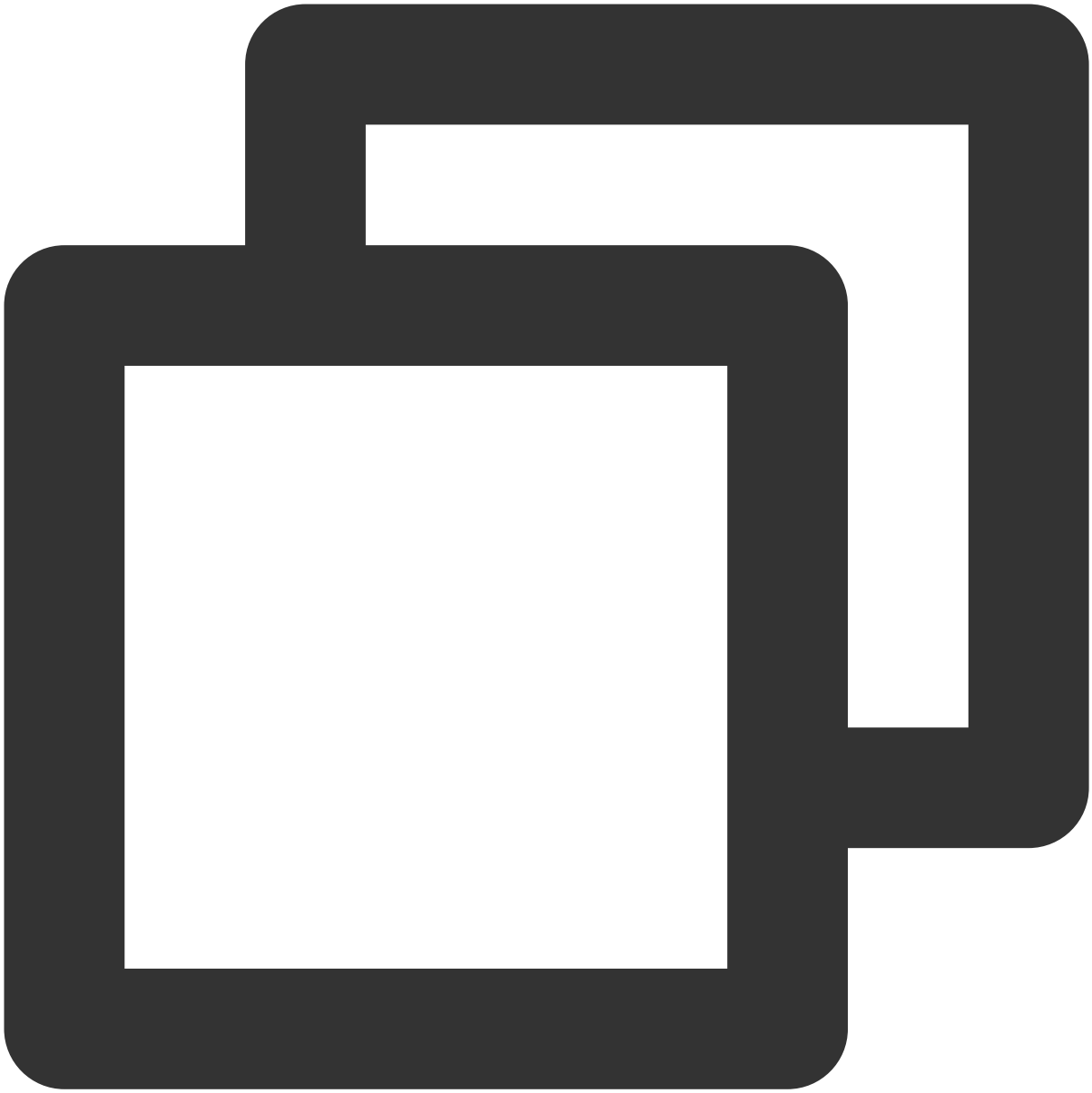
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```
GET /doc_jobs/d13cfd584cd9011ea820b597ad1785a2f HTTP/1.1
Accept: */*
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
```

1. Response for a non-Excel file

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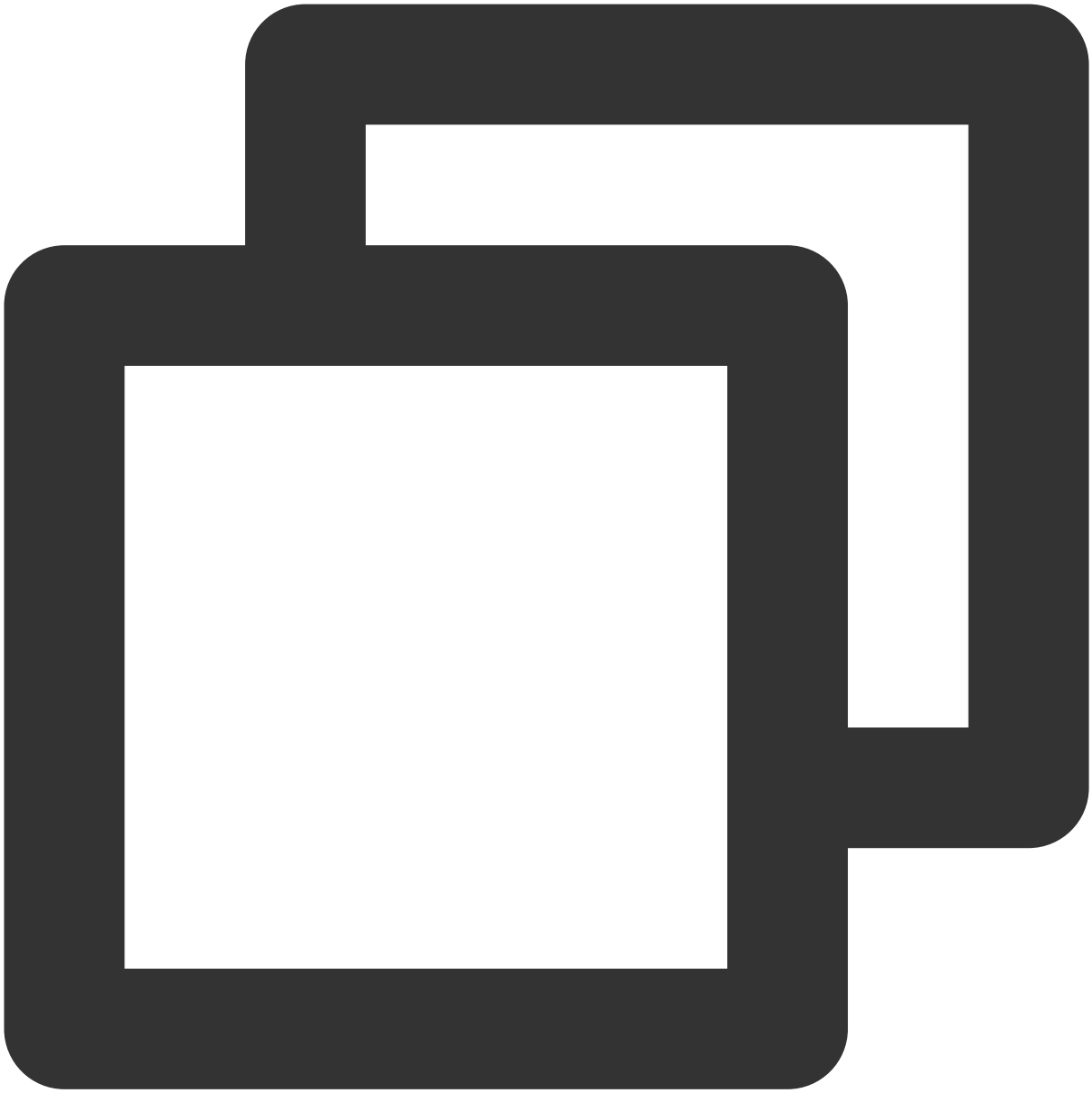
```
<Response>
        <JobsDetail>
                <Code>Success</Code>
                <CreationTime>2020-07-24T17:28:47+0800</CreationTime>
                <EndTime>2020-07-24T17:28:49+0800</EndTime>
                <Input>
                        <Object>1.doc</Object>
                </Input>
                <JobId>d13cfd584cd9011ea820b597ad1785a2f</JobId>
                <Message/>
                <Operation>
```

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```
                        <DocProcess>
                                <EndPage>0</EndPage>
                                <ImageParams/>
                                <SrcType/>
                                <StartPage>2</StartPage>
                                <TgtType>png</TgtType>
                        </DocProcess>
                        <DocProcessResult>
                                <FailPageCount>0</FailPageCount>
                                <PageInfo>
                                        <PageNo>2</PageNo>
                                        <TgtUri>big/test-1</TgtUri>
                                </PageInfo>
                                <SuccPageCount>1</SuccPageCount>
                                <TaskId/>
                                <TgtType/>
                                <TotalPageCount>2</TotalPageCount>
                        </DocProcessResult>
                        <Output>
                                <Bucket>examplebucket-1250000000</Bucket>
                                <Object>big/test-${Number}</Object>
                                <Region>ap-chongqing</Region>
                        </Output>
                </Operation>
                <QueueId>p50882922b848464fadd222d771438328</QueueId>
                <State>Success</State>
                <Tag>DocProcess</Tag>
        </JobsDetail>
</Response>
```

2. Response for an Excel file

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```
<Response>
        <JobsDetail>
                <Code>Success</Code>
                <CreationTime>2020-12-03T19:54:10+0800</CreationTime>
                <EndTime>2020-12-03T19:54:13+0800</EndTime>
                <Input>
                        <Object>1.xlsx</Object>
                </Input>
                <JobId>d13cfd584cd9011ea820b597ad1785a2f</JobId>
                <Message/>
                <Operation>
```

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```
                        <DocProcess>
                                <Comments>0</Comments>
                                <DocPassword/>
                                <EndPage>2</EndPage>
                                <ImageParams/>
                                <PaperDirection>0</PaperDirection>
                                <PaperSize>0</PaperSize>
                                <Quality>100</Quality>
                                <SheetId>0</SheetId>
                                <SrcType/>
                                <StartPage>1</StartPage>
                                <TgtType/>
                                <Zoom>100</Zoom>
                        </DocProcess>
                        <DocProcessResult>
                                <FailPageCount>0</FailPageCount>
                                <PageInfo>
                                        <PageNo>1</PageNo>
                                        <PicIndex>1</PicIndex>
                                        <PicNum>1</PicNum>
                                        <TgtUri>mark2/1/test-1.jpg</TgtUri>
                                        <X-SheetPics>2</X-SheetPics>
                                </PageInfo>
                                <PageInfo>
                                        <PageNo>1</PageNo>
                                        <PicIndex>2</PicIndex>
                                        <PicNum>2</PicNum>
                                        <TgtUri>mark2/1/test-2.jpg</TgtUri>
                                        <X-SheetPics>2</X-SheetPics>
                                </PageInfo>
                                <SuccPageCount>6</SuccPageCount>
                                <TaskId/>
                                <TgtType/>
                                <TotalPageCount>6</TotalPageCount>
                                <TotalSheetCount>3</TotalSheetCount>
                        </DocProcessResult>
                        <Output>
                                <Bucket>markjrzhang-1251704708</Bucket>
                                <Object>mark/${SheetID}/pic-${Page}.jpg</Object>
                                <Region>ap-chongqing</Region>
                        </Output>
                </Operation>
                <QueueId>p5fdbba9a9b83479f84538d5beb*****</QueueId>
                <State>Success</State>
                <Tag>DocProcess</Tag>
        </JobsDetail>
</Response>
```

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Pulling Eligible File Transcoding Jobs

Last updated：2024-02-19 16:02:57

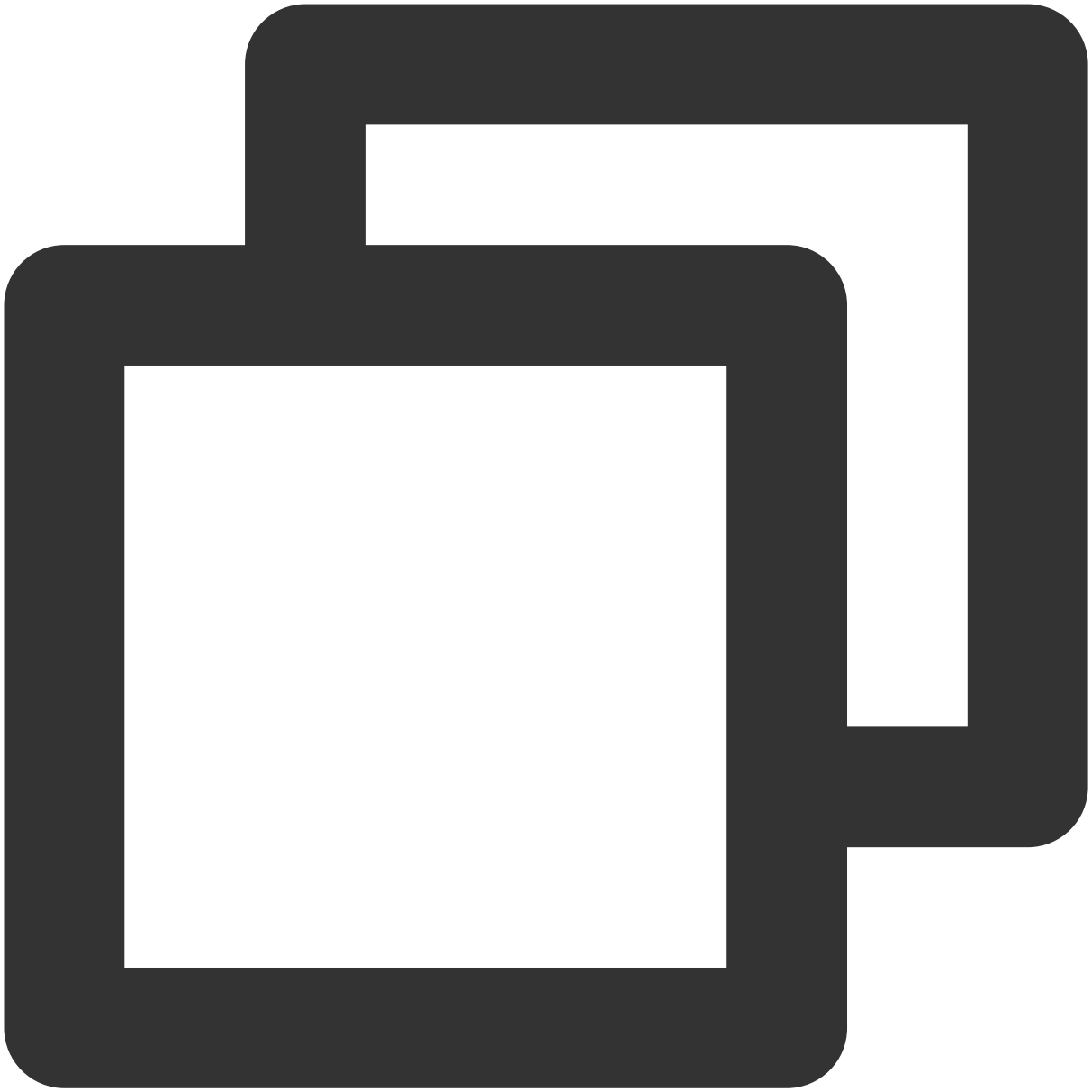
Feature Description

The API (`DescribeDocProcessJobs`) is used to pull file transcoding jobs that meet specified conditions, such as status and creation time.

Request

Sample request

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```
GET /doc_jobs?queueId=<queueId>&tag=DocProcess HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

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Request body

This request does not have a request body.

Request parameters

The parameters are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
queueId	None	ID of the queue from which jobs are pulled.	String	Yes
tag	None	Job type: DocProcess.	String	Yes
orderByTime	None	`Desc` (default) or `Asc`.	String	No
nextToken	None	Context token for pagination.	String	No
size	None	Maximum number of jobs that can be pulled. The default value is 10. The maximum value is 100.	Integer	No
states	None	Status of the jobs to pull. If you enter multiple job statuses, separate them by comma. Valid values: All (default), Submitted, Running, Success, Failed, Pause, Cancel.	String	No
startCreationTime	None	Start time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z`.	String	No
endCreationTime	None	End time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z`.	String	No

Response

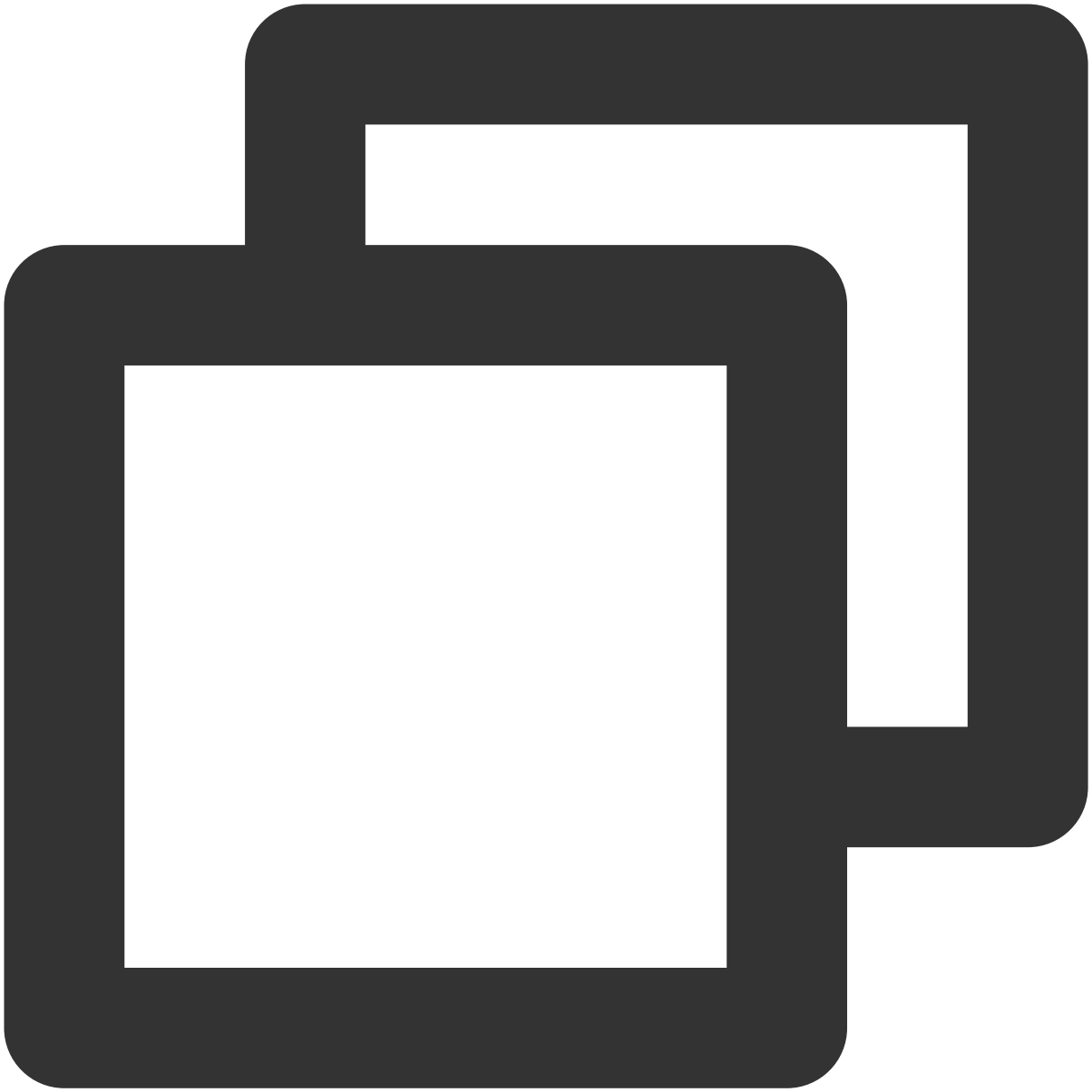
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
  <JobsDetail></JobsDetail>
  <NextToken></NextToken>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details. Same as `Response.JobsDetail` in CreateDocProcessJobs.	Container
NextToken	Response	Context token for pagination	String

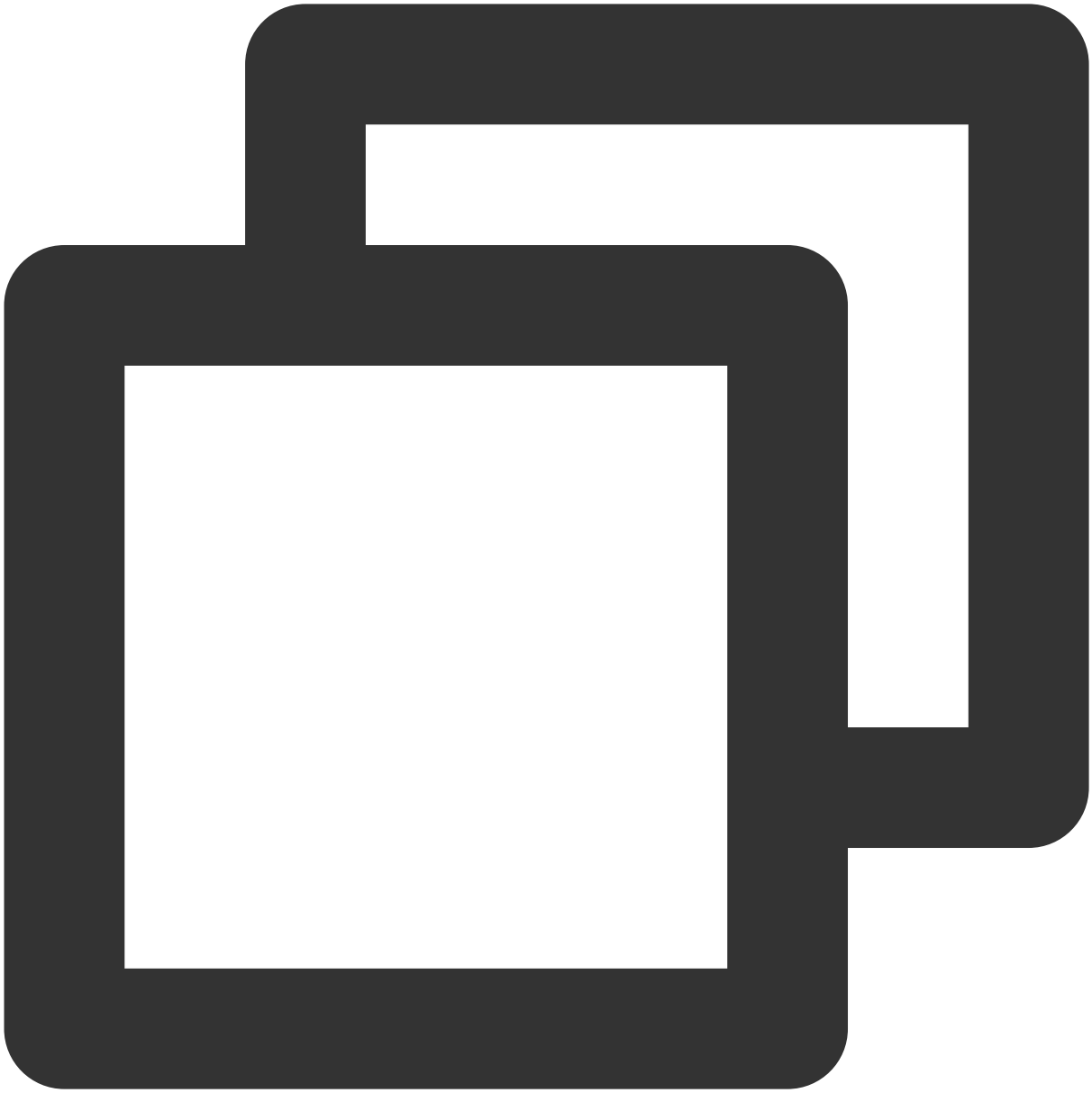
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

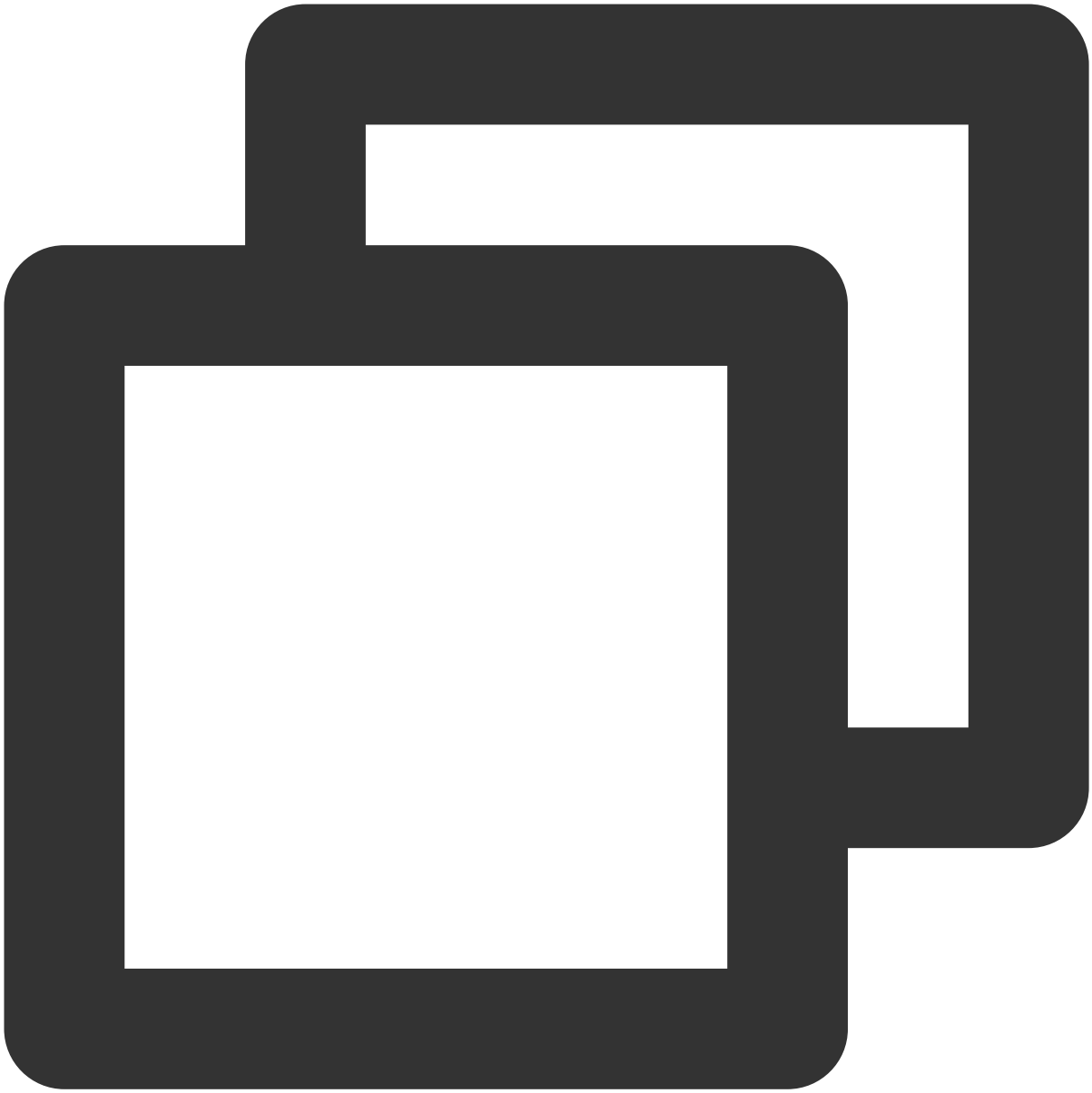
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```
GET /doc_jobs/queueId=QueueId&tag=DocProcess HTTP/1.1
Accept: */*
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
```

Response

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```
<Response>
        <JobsDetail>
                <Code>Success</Code>
                <CreationTime>2020-07-20T10:43:17+0800</CreationTime>
                <EndTime>-</EndTime>
                <Input>
                        <Object>1.docx</Object>
                </Input>
                <JobId>JobId</JobId>
                <Message/>
                <Operation>
```

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```
                        <DocProcess>
                                <EndPage>1</EndPage>
                                <ImageParams>ImageParams</ImageParams>
                                <SrcType/>
                                <StartPage>1</StartPage>
                                <TgtType>png</TgtType>
                        </DocProcess>
                        <Output>
                                <Bucket>BucketId</Bucket>
                                <Object>file/test-${Page}.jpg</Object>
                                <Region>Region</Region>
                        </Output>
                </Operation>
                <QueueId>QueueId</QueueId>
                <State>Submitted</State>
                <Tag>DocProcess</Tag>
        </JobsDetail>
        <JobsDetail>
                <Code>Success</Code>
                <CreationTime>2020-07-20T10:43:17+0800</CreationTime>
                <EndTime>-</EndTime>
                <Input>
                        <Object>test.docx</Object>
                </Input>
                <JobId>JobId</JobId>
                <Message/>
                <Operation>
                        <DocProcess>
                                <EndPage>1</EndPage>
                                <ImageParams>ImageParams</ImageParams>
                                <SrcType/>
                                <StartPage>1</StartPage>
                                <TgtType>png</TgtType>
                        </DocProcess>
                        <Output>
                                <Bucket>BucketId</Bucket>
                                <Object>file/test-${Page}.jpg</Object>
                                <Region>Region</Region>
                        </Output>
                </Operation>
                <QueueId>QueueId</QueueId>
                <State>Submitted</State>
                <Tag>DocProcess</Tag>
        </JobsDetail>
        <NextToken>19193</NextToken>
</Response>
```

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Async Processing Queue APIs
Querying File Transcoding Queue

Last updated：2024-02-19 16:02:58

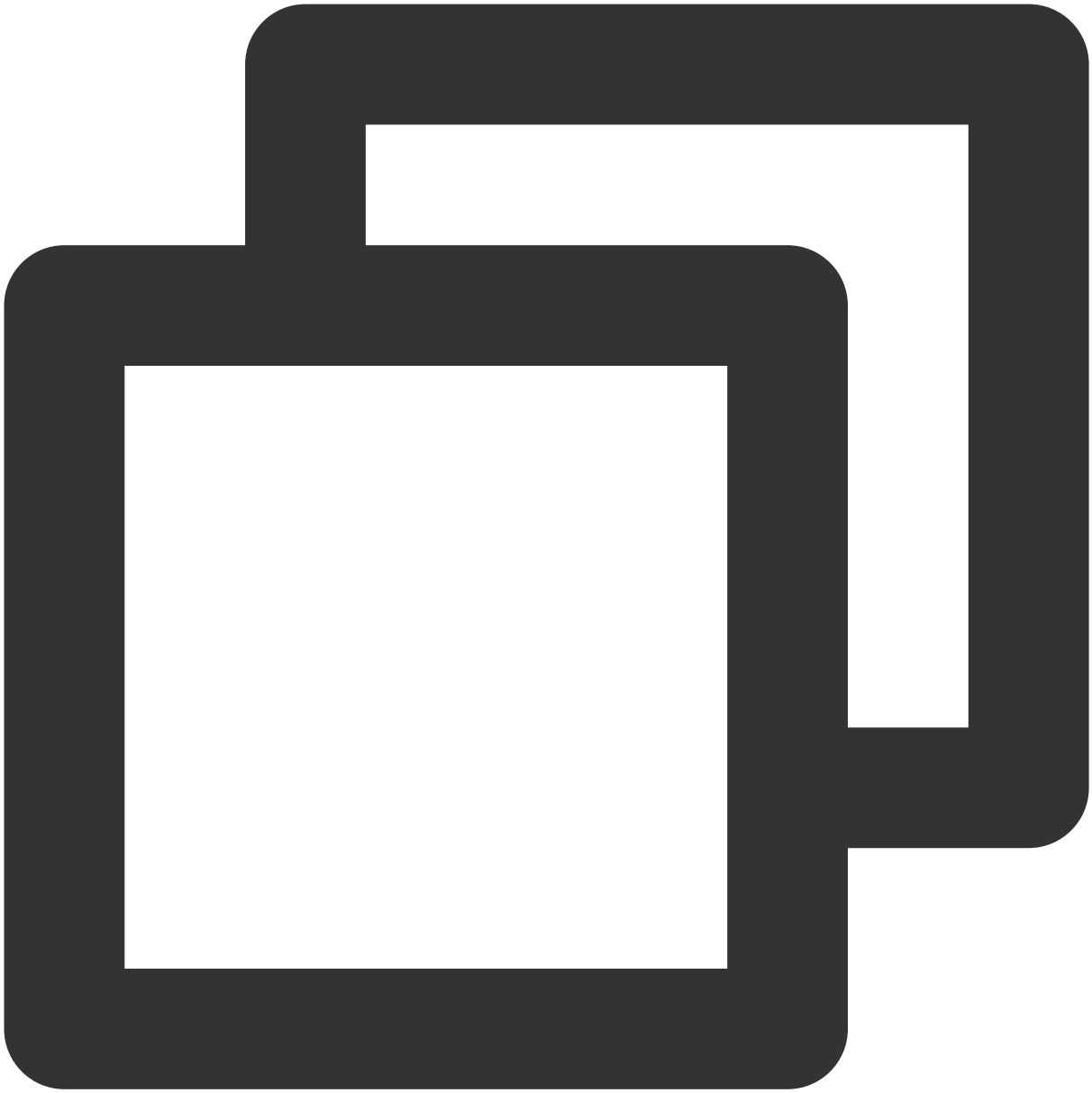
Feature Description

This API (`DescribeDocProcessQueues`) is used to query file transcoding queues.

Request

Sample request

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```
GET /docqueue?pageNumber=1&pageSize=2 HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter	Description	Type	Required
queueIds	Queue ID. If you enter multiple IDs, separate them by comma.	string	No
state	1. Active: Jobs in the queue will be scheduled and executed by the file preview service. 2. Paused: The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the `Paused` status, while jobs being executed will continue without being affected.	String	No
pageNumber	Page number. Default value: the first page.	string	No
pageSize	Number of entries per page. Default value: `10` .	string	No

Response

Response headers

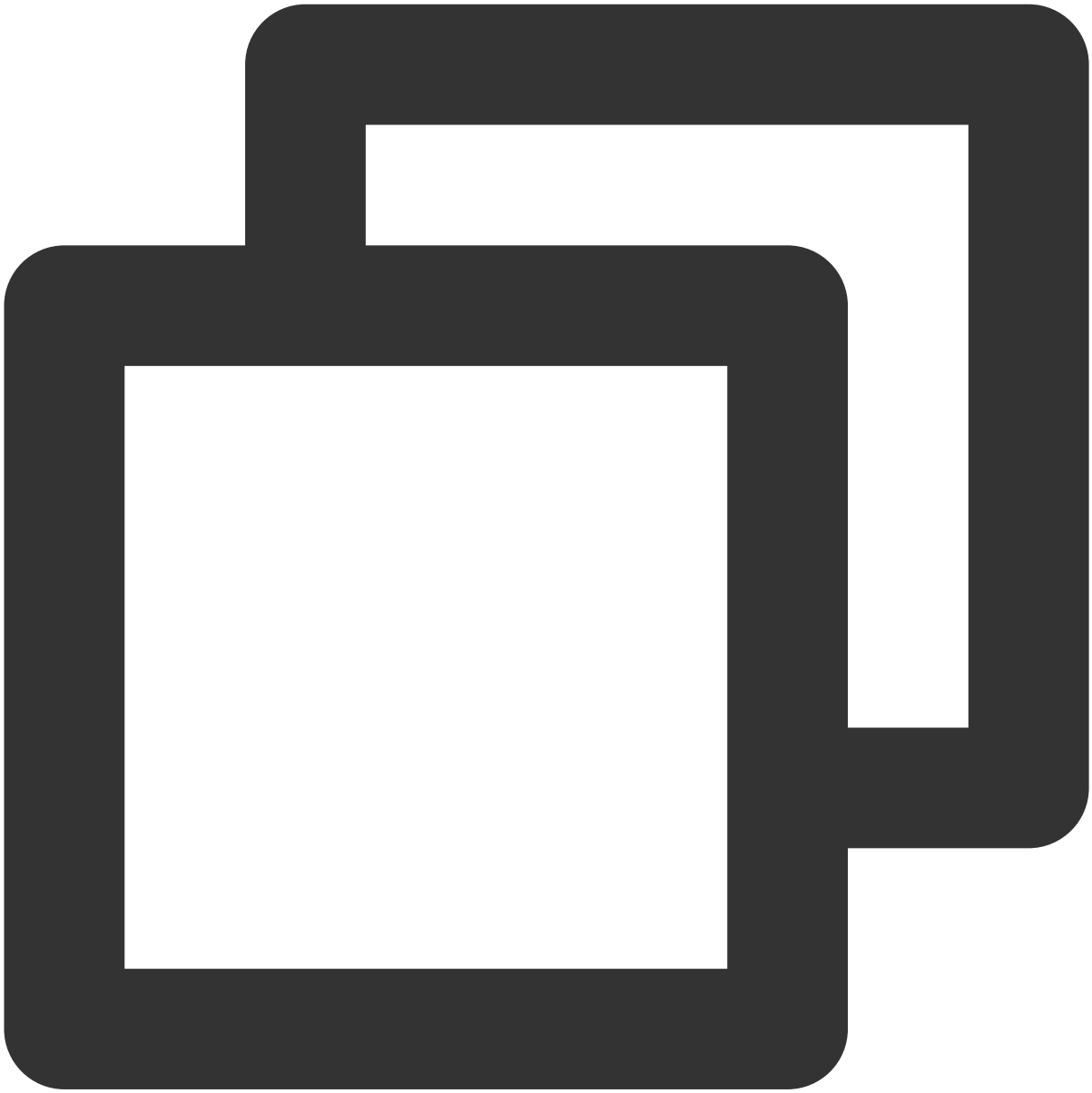
This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data.

Response body 1: The following contains all the nodes when `pageNumber` and `pageSize` are specified.

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```
<Response>
        <TotalCount>1</TotalCount>
        <RequestId>RequestId</RequestId>
        <PageNumber>1</PageNumber>
        <PageSize>2</PageSize>
        <QueueList>
                <QueueId>QueueId</QueueId>
                <Name>QueueName</Name>
                <State>Active</State>
                <NotifyConfig>
                        <Url>url</Url>
```

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```
                        <Event>Event</Event>
                        <Type/></Type>
                        <State>Off</State>
                </NotifyConfig>
                <MaxSize>10000</MaxSize>
                <MaxConcurrent>10</MaxConcurrent>
                <CreateTime>CreateTime</CreateTime>
                <UpdateTime>UpdateTime</UpdateTime>
                <BucketId>BucketId</BucketId>
                <Category>DocProcess</Category>
        </QueueList>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of queues	Int
PageNumber	Response	Current page number, which is the same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
QueueList	Response	Queue array	Container

`QueueList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueId	Response.QueueList	Queue ID	String
Name	Response.QueueList	Queue name	String
State	Response.QueueList	Current status: `Active` or `Paused`	String
NotifyConfig	Response.QueueList	Callback configuration	Container

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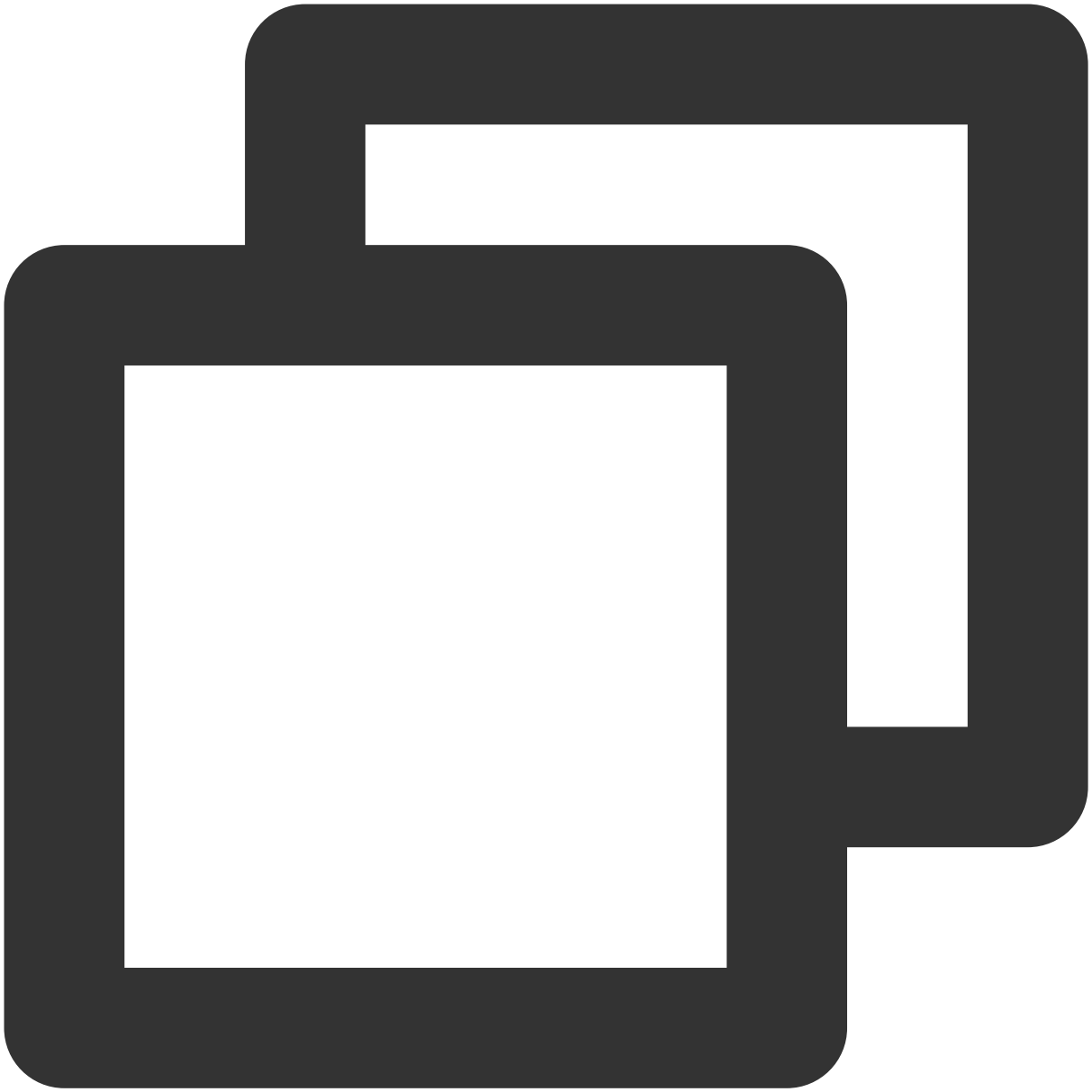
MaxSize	Response.QueueList	Maximum length of the queue	Int
MaxConcurrent	Response.QueueList	Maximum number of concurrent jobs in the current queue	Int
UpdateTime	Response.QueueList	Update time	String
CreateTime	Response.QueueList	Creation time	String

`NotifyConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Url	Response.QueueList.NotifyConfig	Callback address	String
State	Response.QueueList.NotifyConfig	Switch status: `On` or `Off`	String
Type	Response.QueueList.NotifyConfig	Callback type: Url	String
Event	Response.QueueList.NotifyConfig	The event that triggered the callback	String

Response body 2: The following contains all the nodes when `queueIds` is specified.

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <QueueList>
        <QueueId>A</QueueId>
        <Name></Name>
        <State>Active</State>
        <NotifyConfig>
            <Url></Url>
        </NotifyConfig>
    </QueueList>
    <NonExistPIDs>
```

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```
        <QueueID>B</QueueID>
        <QueueID>C</QueueID>
    </NonExistPIDs>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
QueueList	Response	Queue array, which is same as `QueueList` described above.	Container
NonExistPIDs	Response	List of non-existing queue IDs	Container

`NonExistPIDs` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
QueueID	Response.NonExistPIDs	Queue ID	String

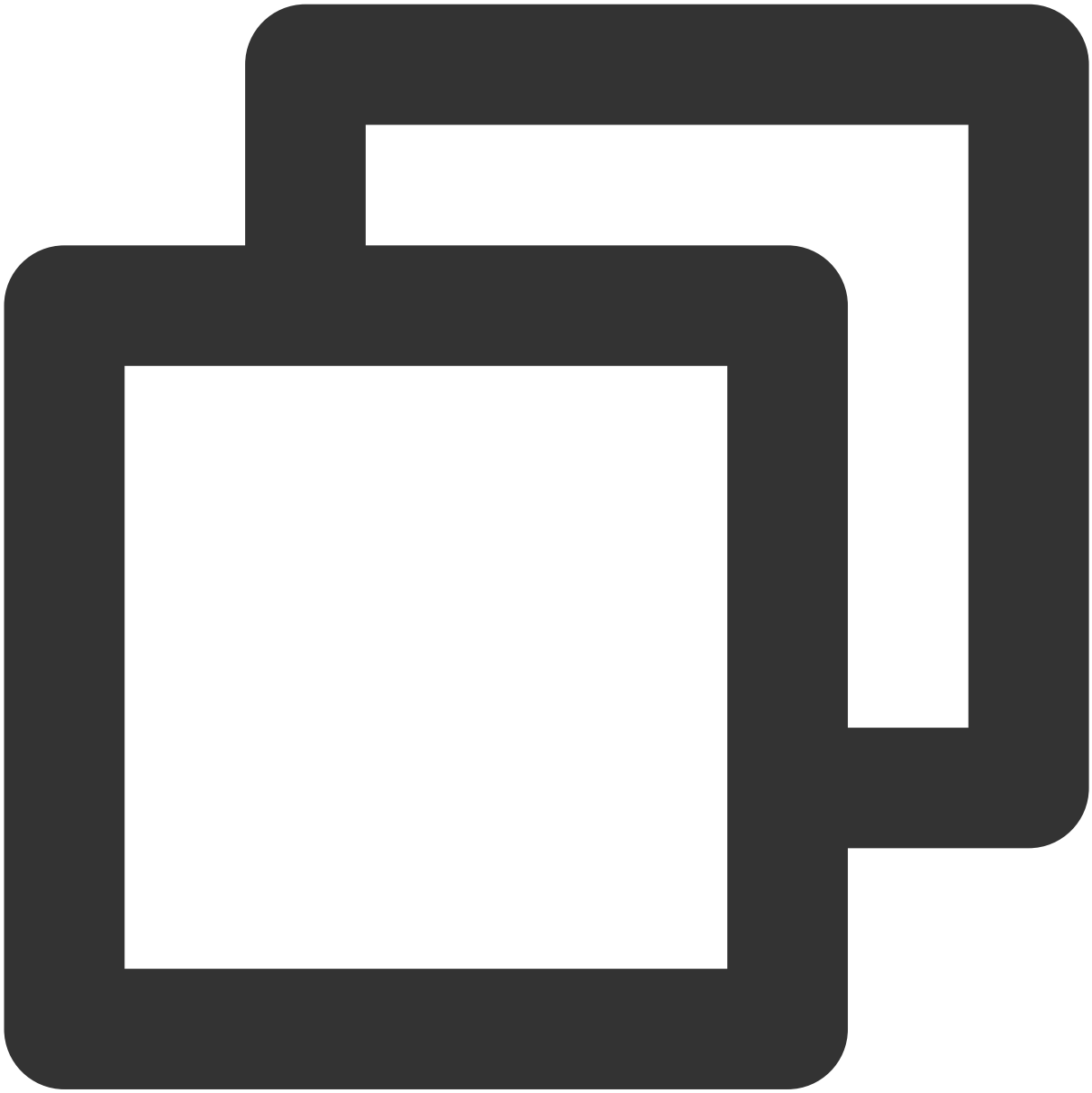
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

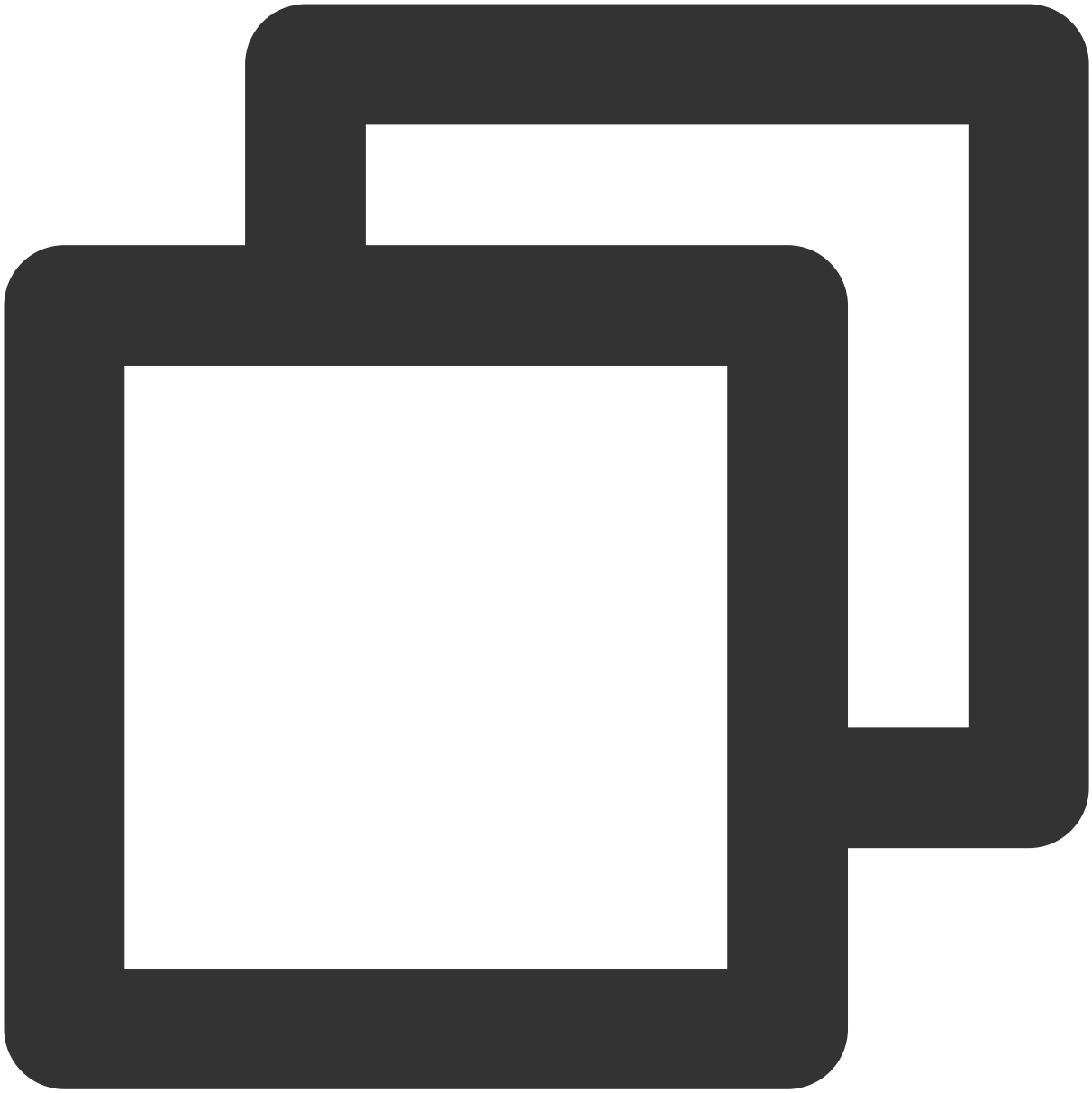
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```
GET /docqueue?pageNumber=1&pageSize=2 HTTP/1.1
Connection: keep-alive
Accept-Encoding: gzip, deflate
Accept: */*
User-Agent: cos-python-sdk-v5.3.2
Host: examplebucket-1250000000.ci.ap-chongqing.myqcloud.com
Content-Type: application/xml
Authorization: Authorization
```

Response

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```
HTTP/1.1 200 OK
Date: Mon, 27 Jul 2020 07:29:28 GMT
Content-Type: application/xml
Content-Length: 677
Connection: keep-alive
Server: tencent-ci
x-ci-request-id: NWYxZTgyNTdfYzc2OTQzNjRfMzUx****

<?xml version="1.0" encoding="utf-8"?>
<Response>
        <TotalCount>1</TotalCount>
```

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```
        <RequestId>NWYxZTgyNTdfYzc2OTQzNjRfMzUx****</RequestId>
        <PageNumber>1</PageNumber>
        <PageSize>2</PageSize>
        <QueueList>
                <QueueId>p2505d57bdf4c4329804b58a6a5fb1572</QueueId>
                <Name>queue-doc-process-1</Name>
                <State>Active</State>
                <NotifyConfig>
                        <Url/>
                        <Event/>
                        <Type/>
                        <State>Off</State>
                </NotifyConfig>
                <MaxSize>10000</MaxSize>
                <MaxConcurrent>10</MaxConcurrent>
                <CreateTime>2020-07-24T22:42:27+0800</CreateTime>
                <UpdateTime>2020-07-24T22:42:27+0800</UpdateTime>
                <BucketId>examplebucket-1250000000.</BucketId>
                <Category>DocProcessing</Category>
        </QueueList>
</Response>
```

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Updating File Transcoding Queue

Last updated：2024-02-19 16:02:57

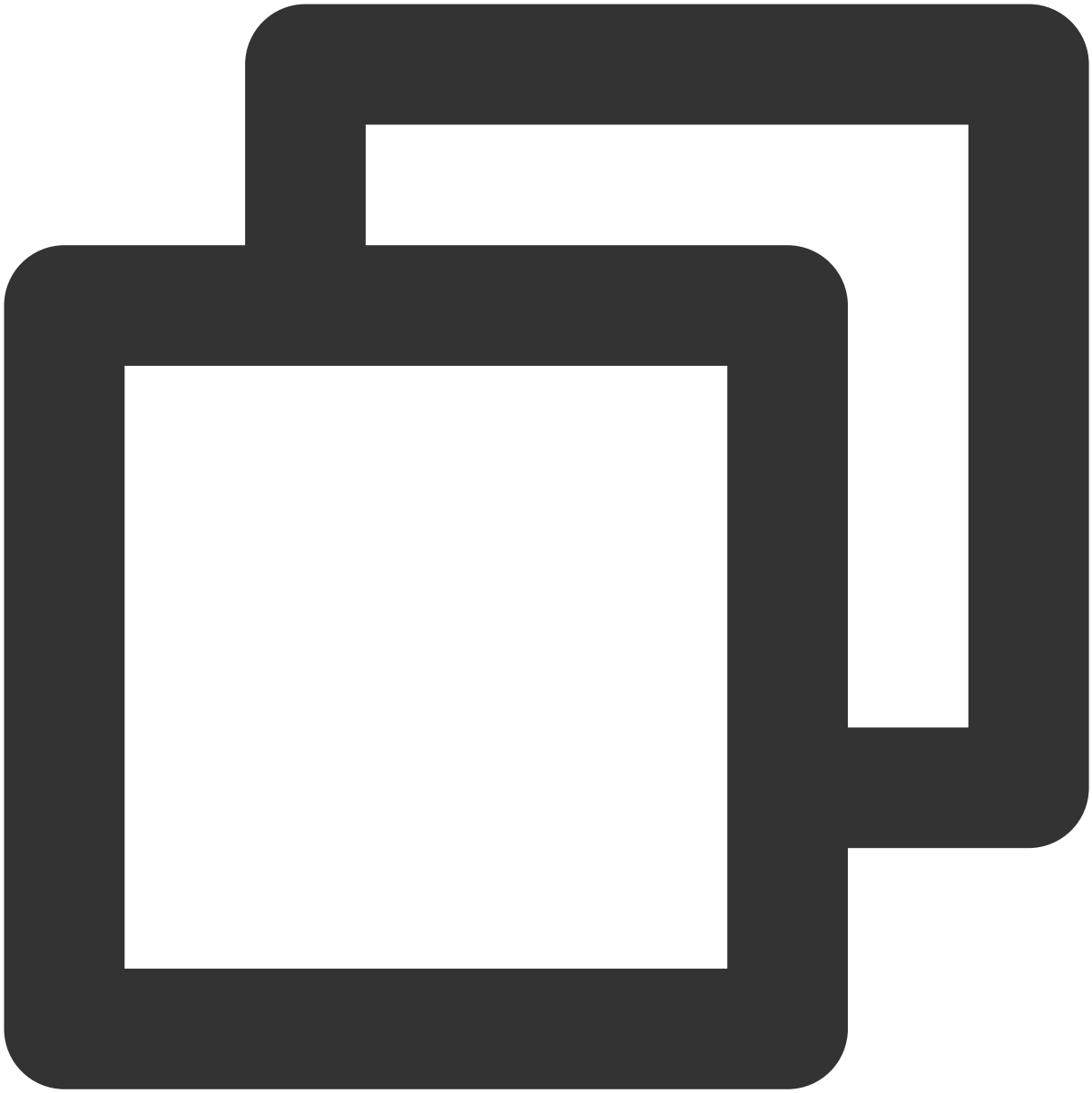
Overview

This API (`UpdateDocProcessQueue`) is used to update a file transcoding queue.

Request

Sample request

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```
PUT /docqueue/p8eb46b8cc1a94bc09512d16c5c4f4d3a HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (See Request Signature for details.)

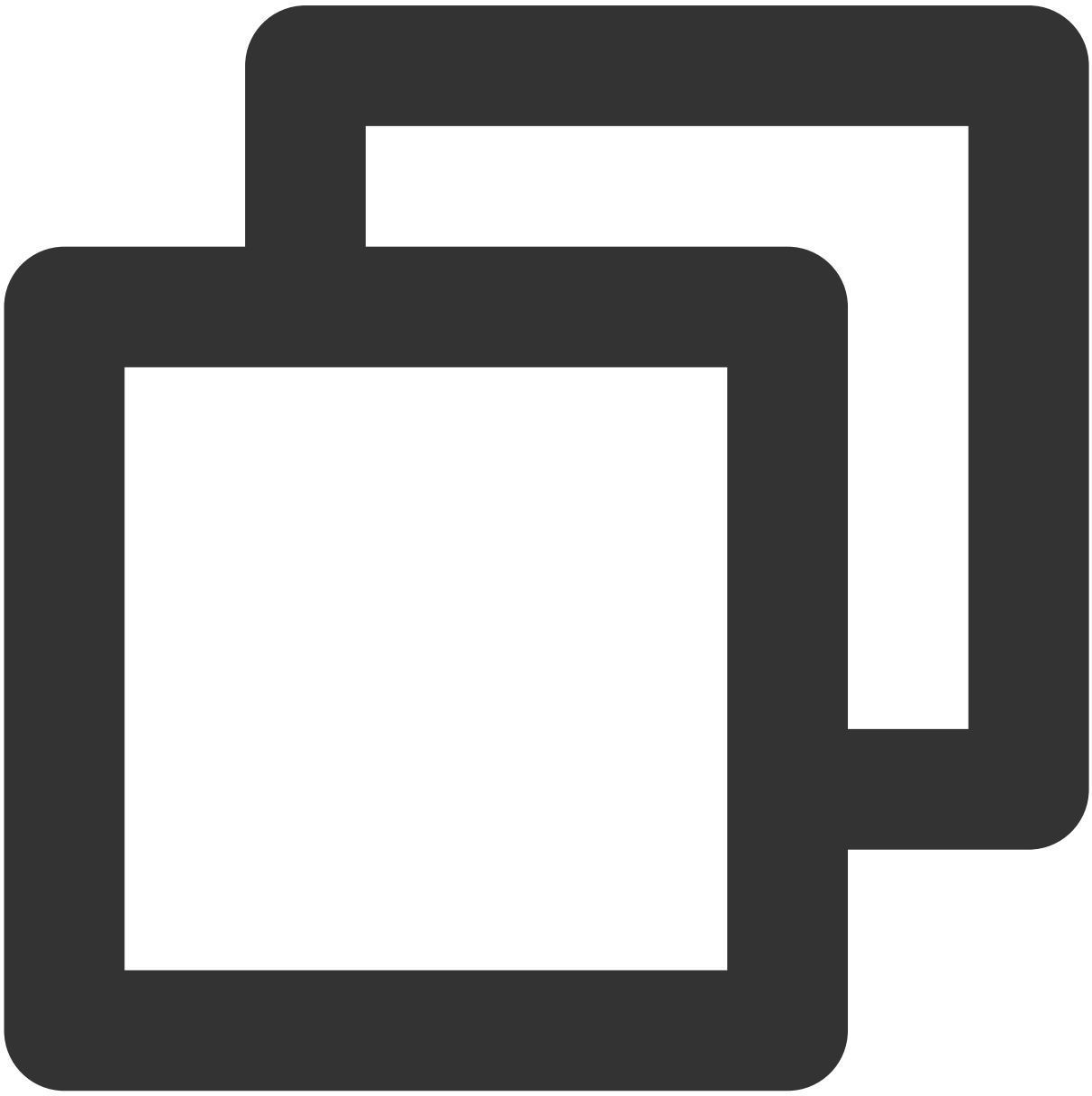
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Name>Queue Name</Name>
    <QueueID></QueueID>
    <State></State>
    <NotifyConfig>
        <Type></Type>
        <Url></Url>
        <Event></Event>
    </NotifyConfig>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	API Type	Required
Request	N/A	Request container	Container	Supported

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	API Type	Required	Constraints
Name	Request	Queue Name	String	Supported	Length limit: 100 characters
QueueID	Request	Queue ID	String	Supported	N/A
State	Request	Queue status	String	Supported	1. Active: Jobs in the queue will be scheduled and executed by the file preview service. 2. Paused: The queue is paused, and jobs in it will no longer be scheduled and executed. All jobs in the queue will remain in the `Submitted` status, while jobs being executed will continue without being affected.
NotifyConfig	Request	Notification channel	Container	Supported	Third-party callback URL

`NotifyConfig` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	API Type	Required	Constraints
Url	Request.NotifyConfig	Callback configuration	String	No	Length limit: 100 characters
Type	Request.NotifyConfig	Callback type, normal callback: URL	String	No	Length limit: 100 characters
Event	Request.NotifyConfig	Callback event: The file preview job is completed.	String	No	Length limit: 100 characters
State	Request.NotifyConfig	Callback switch: Off, On	String	No	Length limit: 100 characters

Response

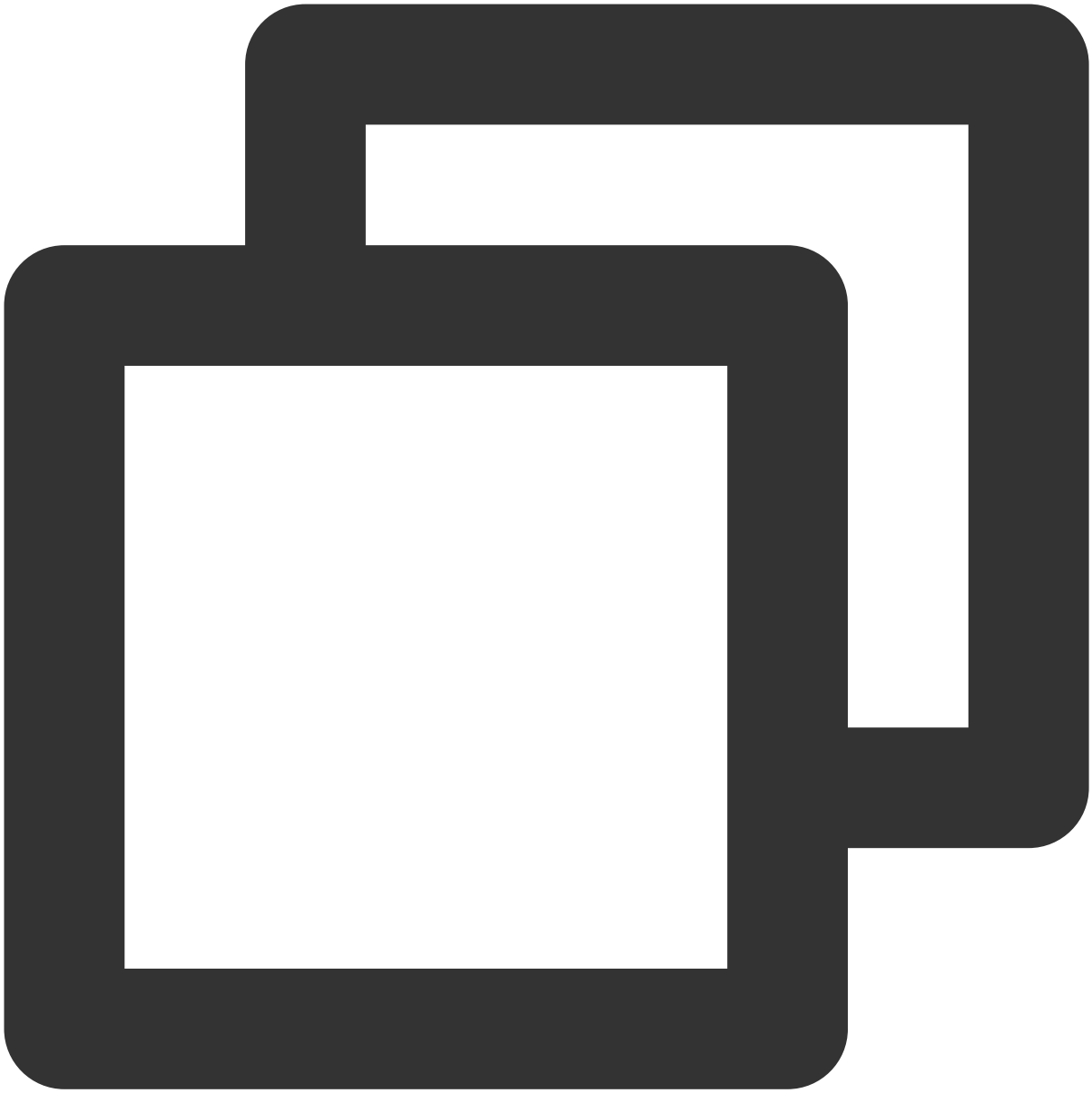
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <Queue>
        <QueueId></QueueId>
        <Name></Name>
        <State>Active</State>
        <NotifyConfig>
            <Url>mts-topic-1</Url>
            <Type></Type>
            <Event></Event>
        </NotifyConfig>
```

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```
        <CreateTime></CreateTime>
        <UpdateTime></UpdateTime>
    </Queue>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
Queue	Response	Queue information. For more information, see `Response.QueueList` in DescribeDocProcessQueues.	Container

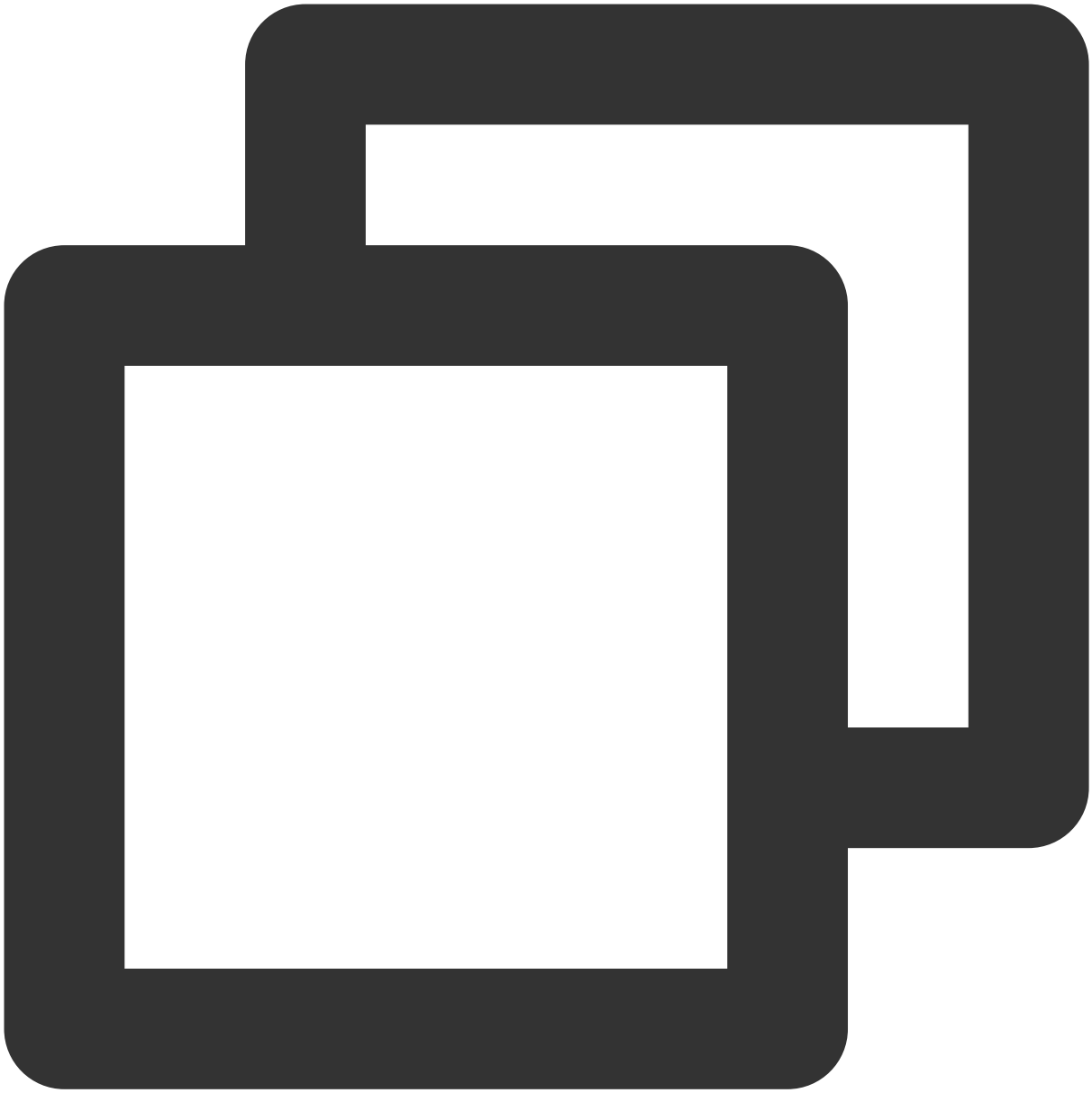
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

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```
PUT /docqueue/p2505d57bdf4c4329804b58a6a5fb1572 HTTP/1.1
Connection: keep-alive
Accept-Encoding: gzip, deflate
Accept: */*
User-Agent: cos-python-sdk-v5.3.2
Host: examplebucket-1250000000.ci.ap-chongqing.myqcloud.com
Content-Type: application/xml
Content-Length: 279
Authorization: Authorization

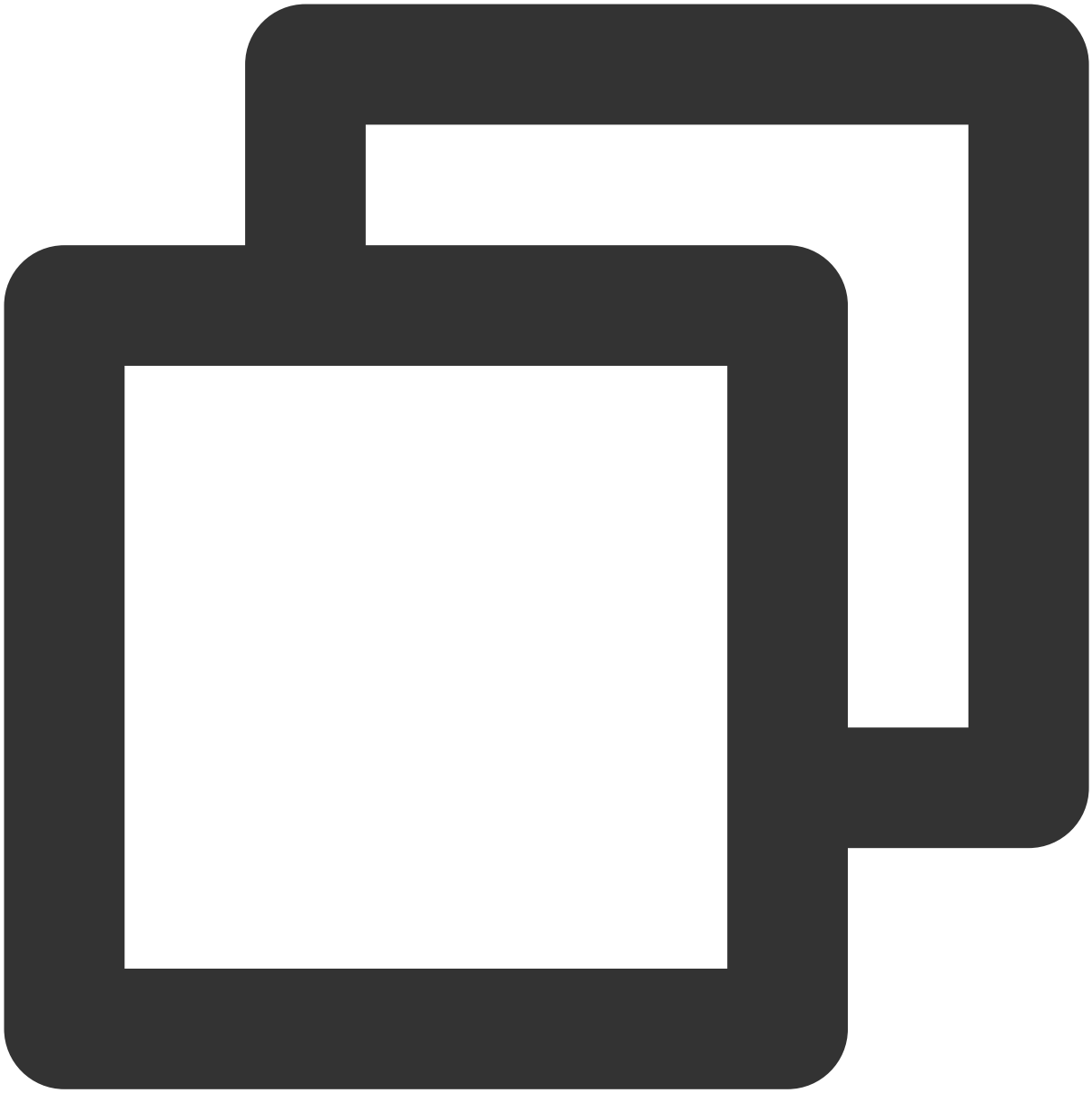
<?xml version="1.0" encoding="UTF-8" ?>
```

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```
<Request>
    <QueueId>p2505d57bdf4c4329804b58a6a5fb1572</QueueId>
    <State>Active</State>
    <Name>markjrzhang4</Name>
    <NotifyConfig>
        <Url>http://google.com/</Url>
    <State>On</State>
        <Type>Url</Type>
        <Event>TransCodingFinish</Event>
    </NotifyConfig>
</Request>[!http]
```

Response

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```
HTTP/1.1 200 OK
Date: Mon, 27 Jul 2020 08:22:41 GMT
Content-Type: application/xml
Content-Length: 641
Connection: keep-alive
Server: tencent-ci
x-ci-request-id: NWYxZThlZDBfYzc2OTQzNjRfMzUxYV8x****

<?xml version="1.0" encoding="utf-8"?>
<Response>
        <RequestId>NWYxZThlZDBfYzc2OTQzNjRfMzUxYV8x****</RequestId>
```

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```
        <Queue>
                <QueueId>p2505d57bdf4c4329804b58a6a5fb1572</QueueId>
                <Name>markjrzhang4</Name>
                <State>Active</State>
                <NotifyConfig>
                        <Url>http://example.com/</Url>
                        <Event>TransCodingFinish</Event>
                        <Type>Url</Type>
                        <State>On</State>
                </NotifyConfig>
                <MaxSize>10000</MaxSize>
                <MaxConcurrent>10</MaxConcurrent>
                <CreateTime>2020-07-24T22:42:27+0800</CreateTime>
                <UpdateTime>2020-07-27T16:22:40+0800</UpdateTime>
                <BucketId>test007-1251704708</BucketId>
                <Category>DocProcessing</Category>
        </Queue>
</Response>
```

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File-to-HTML Conversion Getting Started

Last updated：2024-02-19 16:02:57

Overview

The file-to-HTML conversion feature allows you to generate HTML pages for preview from multiple types of files. It enables easy online file preview on PC, app, and other terminals. It is widely suitable for diverse business scenarios, such as online education, enterprise OA, online knowledge base, and online file preview.

Note:

CI encapsulates the preview JS-SDK, so you can connect to the HTML preview service with only one URL.

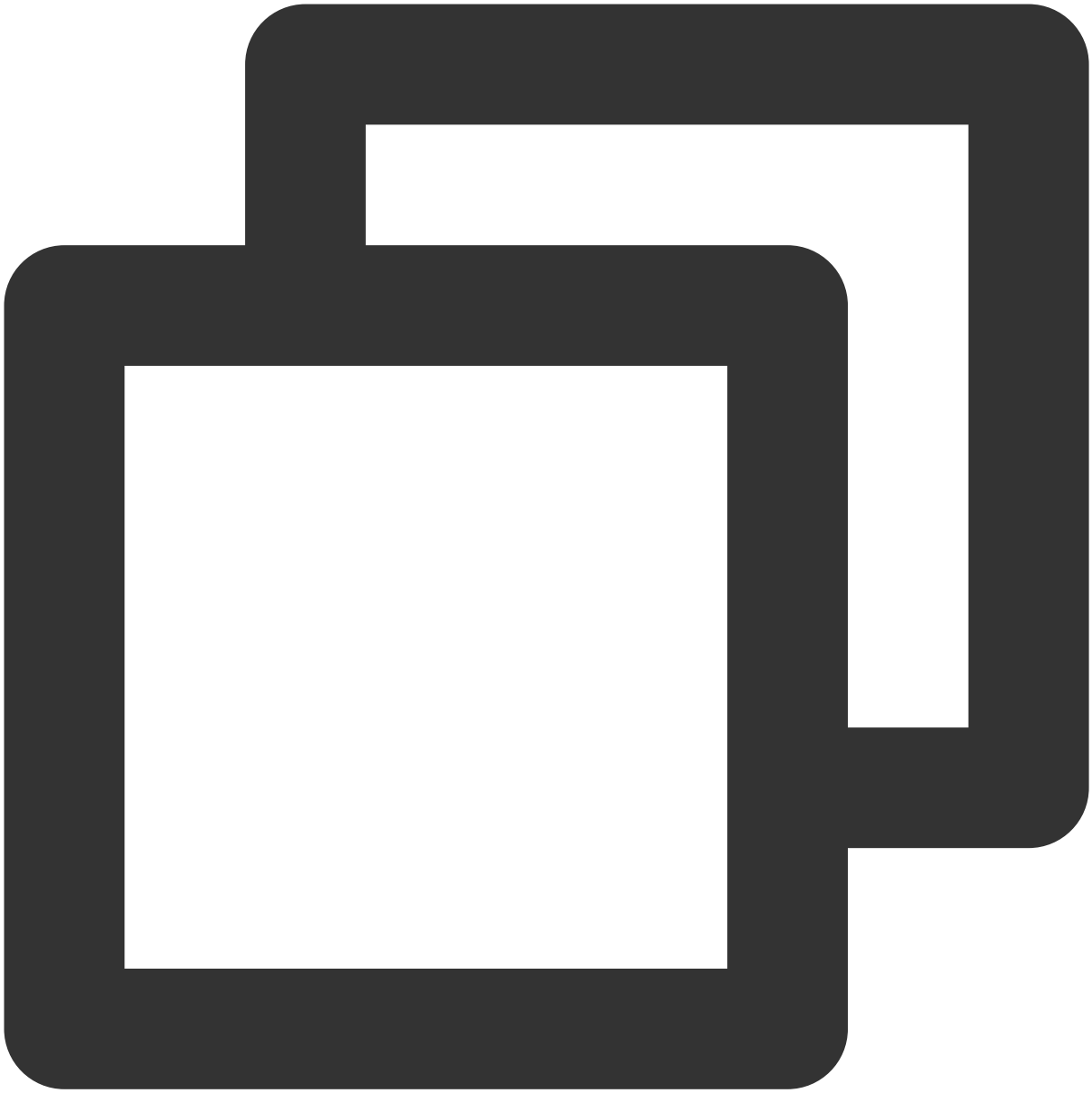
If you want to use it in mini programs, see FAQs.

To connect to a CDN domain name, you need to enable **Advanced Cache Expiration Settings** in CDN as instructed in Node Caching Rule Configuration (Legacy).

Request

Sample request

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```
GET /<ObjectKey>?ci-process=doc-preview&dstType=html HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
```

Request headers

This API only uses Common Request Headers.

Request parameters

Name	Description	Type	Required

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ObjectKey	Object name, such as `folder/document.pdf` .	String	Yes
ci-process	CI's processing capability, which is fixed at `doc-preview` for file preview in HTML.	String	Yes
dstType	Output target file type, which is fixed at `html` for HTML preview.	String	Yes
srcType	Source file type as listed below.	String	No
sign	Object download signature, which must be URL-encoded. If the previewed object is privately readable, the signature needs to be passed in. For more information, see Request Signature.	String	No
copyable	Whether the file content is copyable. Valid values: `1` (yes), `0` (no).	String	No
htmlParams	Custom configuration parameters in JSON structure, which must be URL-safe Base64-encoded as described in FAQs. Default configuration: { commonOptions: { isShowTopArea: true, isShowHeader: true } }. For supported configurations, see Custom Configuration Overview.	String	No
htmlwaterword	Watermark text, which must be URL-safe Base64-encoded as described in FAQs and is empty by default.	String	No
htmlfillstyle	Watermark RGBA (color and transparency), which must be URL-safe Base64-encoded as described in FAQs and is `rgba(192,192,192,0.6)` by default.	String	No
htmlfront	Watermark text style, which must be URL-safe Base64-encoded as described in FAQs and is `bold 20px Serif` by default.	String	No
htmlrotate	Rotation angle of the watermark text in degrees. Value range: 0–360. Default value: `315` .	String	No
htmlhorizontal	Horizontal spacing of the watermark text in px. Default value: `50` .	String	No
htmlvertical	Vertical spacing of the watermark text in px. Default value: `100` .	String	No

Note:

Currently supported input file types include:

Presentation files: PPTX, PPT, POT, POTX, PPS, PPSX, DPS, DPT, PPTM, POTM, PPSM.

Text files: DOC, DOT, WPS, WPT, DOCX, DOTX, DOCM, DOTM.

Spreadsheet files: XLS, XLT, ET, ETT, XLSX, XLTX, CSV, XLSB, XLSM, XLTM, ETS.

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Other files: PDF, LRC, C, CPP, H, ASM, S, JAVA, ASP, BAT, BAS, PRG, CMD, RTF, TXT, LOG, XML, HTM, HTML.
The input file size cannot exceed 200 MB.
The number of pages in the input file cannot exceed 5,000.

Request body

The request body of this request is empty.

Response

Response headers

This API only returns Common Response Headers.

Response body

The response body of this API request is the HTML preview content.

Error codes

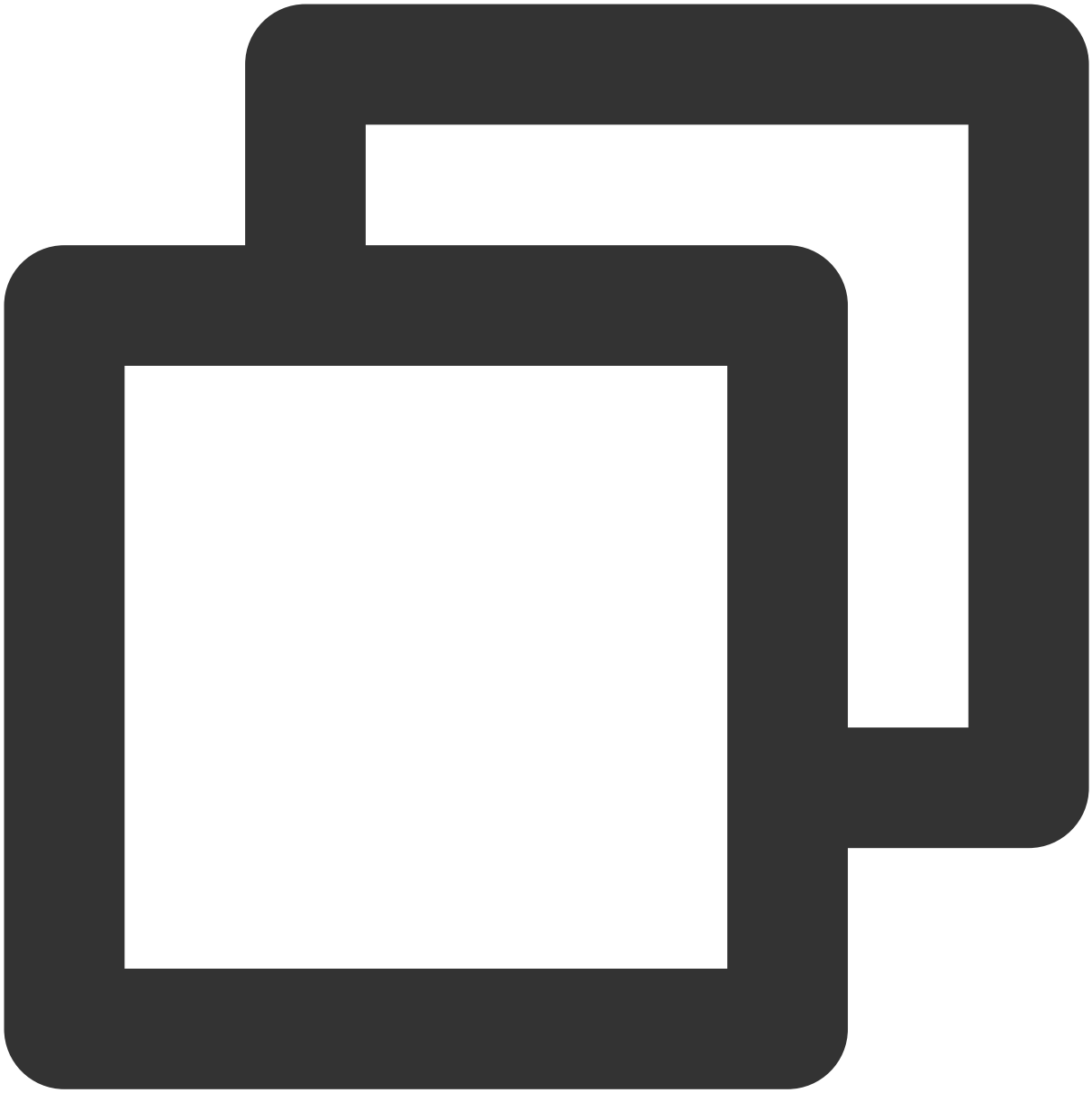
No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Sample 1: Simple preview

To preview the PPT file with the `test.pptx` ObjectKey in the `examples-1258125638` bucket online, the final URL is as follows:

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```
https://examples-1258125638.cos.ap-guangzhou.myqcloud.com/test.pptx?ci-process=doc-
```

Note:

You can also implement more custom features through JS-SDK. For more information, see Custom Configuration Overview.

Open the link directly in a browser to view the generated preview page. For slides, you can also perform full-screen slideshow, which supports **animation**, **trigger**, and other effects and provides **virtual laser pointer**, **speaker mode**, and other features.

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Sample 2: Watermark + preview with custom configurations

Preview the PPT file with the `test.pptx` ObjectKey in the `examples-1258125638` bucket online.

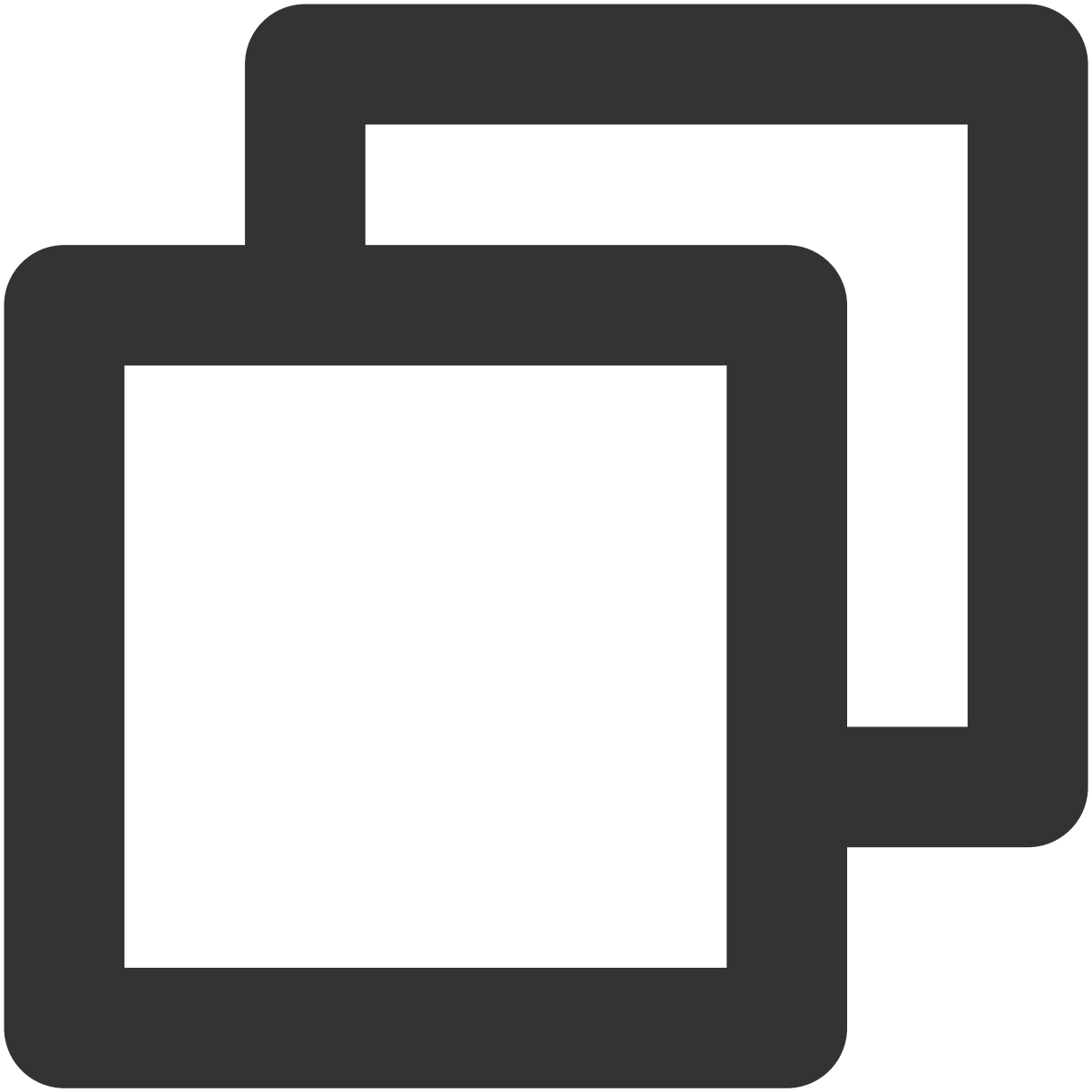
1. Make it **uncopyable** by setting `copyable` to `0` .

2. Set the **test** watermark, which is URL-safe Based64-encoded into `htmlwaterword=dGVzdAog` .

3. Set **custom configuration parameters**. `htmlParams` is {"mode":"normal","commonOptions": {"isShowHeader":false,"isShowTopArea":true},"pptOptions":{"isSlidesStatusPlay": true}}, which is URL-safe Base64-encoded into `htmlParams=eyJtb2RlIjoibm9ybWFsIiwiY29tbW9uT3B0aW9ucyI6eyJpc1Nob3dIZWFkZXIiOmZhbHNlLCJpc1Nob3dUb3BBcmVhIjp0cnVlfSwicHB0T3B0aW9ucyI6eyJpc1NsaWRlc1N0YXR1c1BsYXkiOiB0cnVlfX0=` .

The final URL is as follows:

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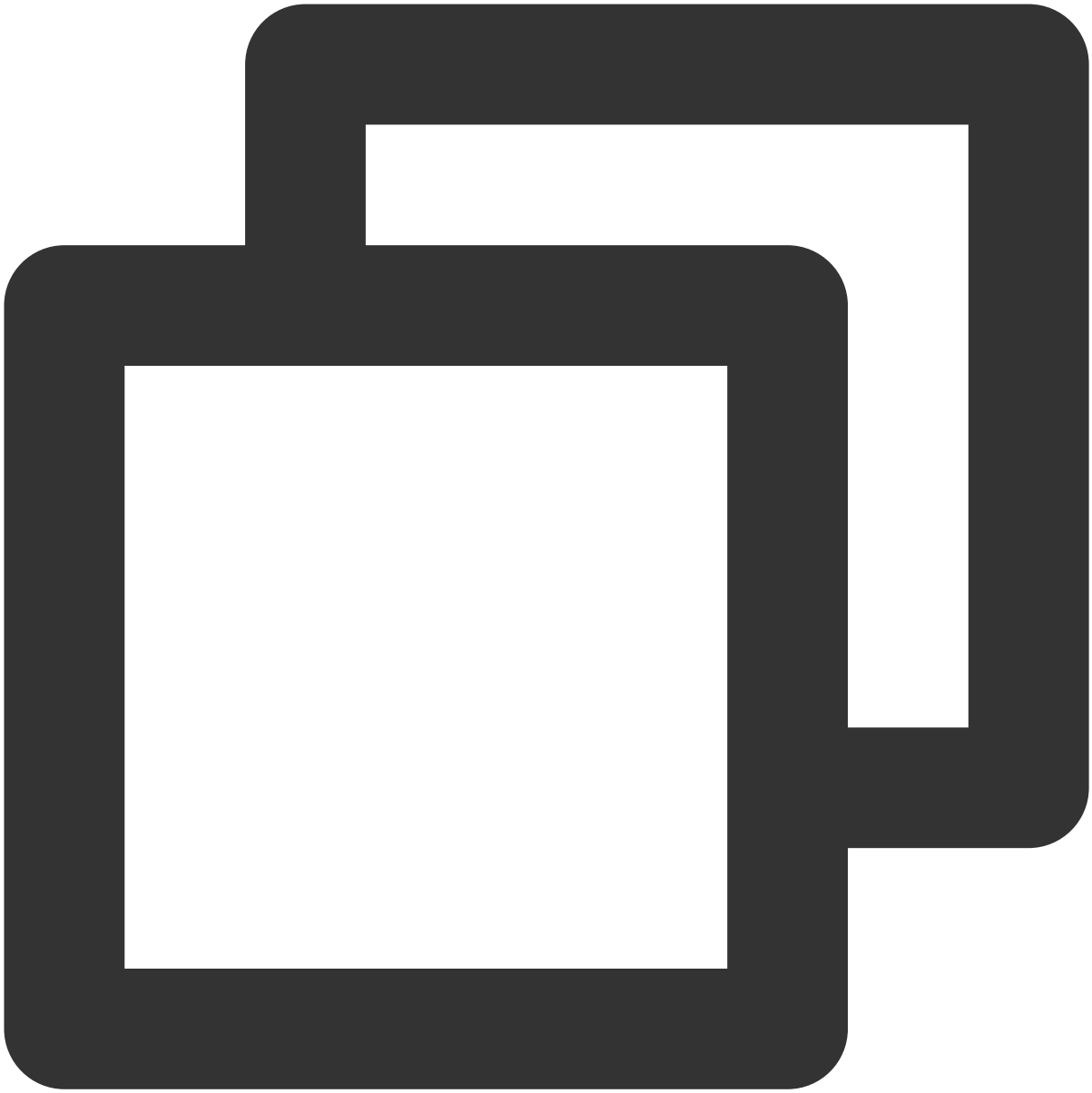


```
https://examples-1258125638.cos.ap-guangzhou.myqcloud.com/test.pptx?ci-process=doc-
```

Open the link directly in a browser to view the generated preview page. For slides, you can also perform full-screen slideshow, which supports **animation**, **trigger**, and other effects and provides **virtual laser pointer**, **speaker mode**, and other features.

The preview link can also be embedded in a business webpage as an iframe as follows:

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```
<!DOCTYPE html>
<html>

<head>
    <meta charset="utf-8">
    <meta name="viewport"
        content="width=device-width, initial-scale=1.0, maximum-scale=1.0, minimum-
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
    <meta http-equiv="Content-Security-Policy" content="upgrade-insecure-requests">
    <meta name="keywords" content="COS, file preview">
```

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```
    <meta name="description" content="">
    <title>Tencent Cloud - COS - file preview</title>
    <style>
        html,
        body {
            padding: 0;
            margin: 0;
            height: 100%;
            touch-action: manipulation;
        }
    </style>
</head>
<body>
    <iframe src="https://examples-1258125638.cos.ap-guangzhou.myqcloud.com/test.ppt
</body>
</html>
```

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Custom Configuration Overview

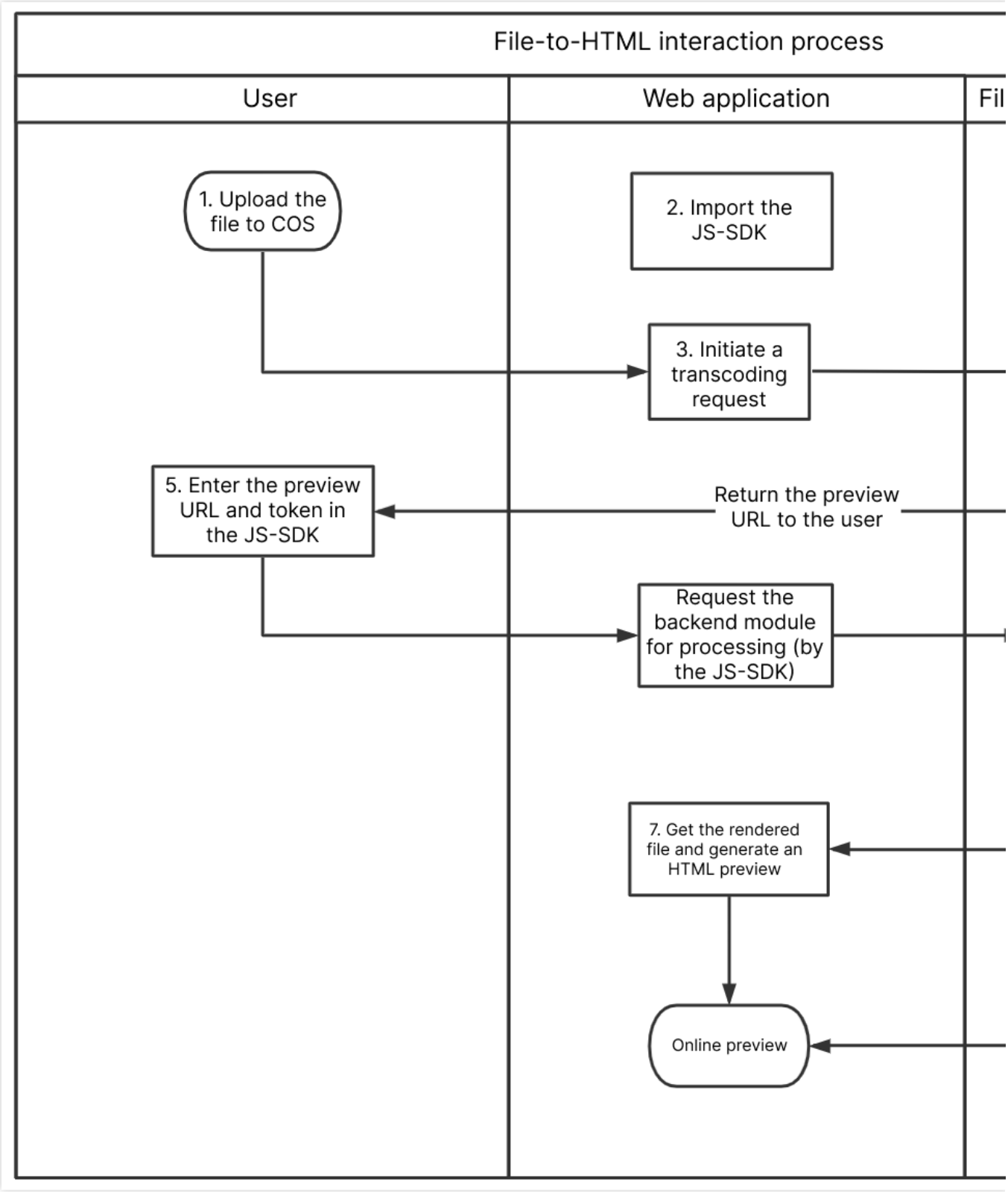
Last updated：2024-02-19 16:02:57

Feature Overview

By using the JS-SDK, you can customize capabilities such as UI, page status, and event listener to deliver a better webpage experience.

Architecture

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Operating Environments

Platform	Supported Browsers

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iOS	Safari, QQ built-in browser, QQ Mini Program, WeChat built-in browser, and WeChat Mini Program
Android	QQ built-in browser, QQ Mini Program, WeChat built-in browser, and WeChat Mini Program
Windows	Chrome, QQ Browser (non-compatibility mode), Edge, Firefox, and Internet Explorer 11
macOS	Chrome, Safari, QQ Browser, Edge, and Firefox

Instructions

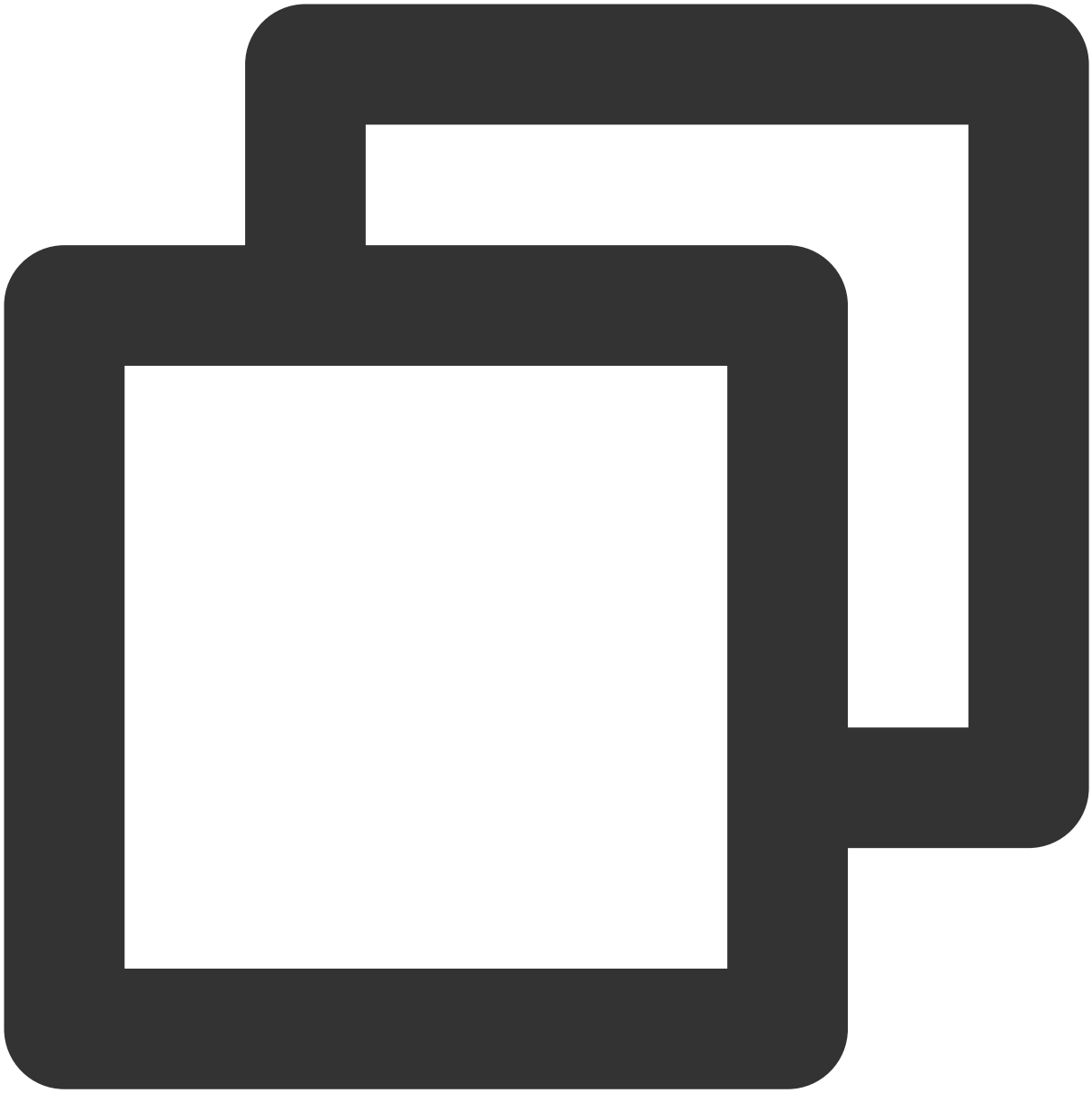
1. Download a package

Download the latest version of the JS-SDK package. For earlier versions, see Release Notes.

2. Import the JS-SDK

On the page that needs to call the JS-SDK, import it as follows. In the sample code, `${version}` indicates the version number and should be replaced with the actual version number of your downloaded package.

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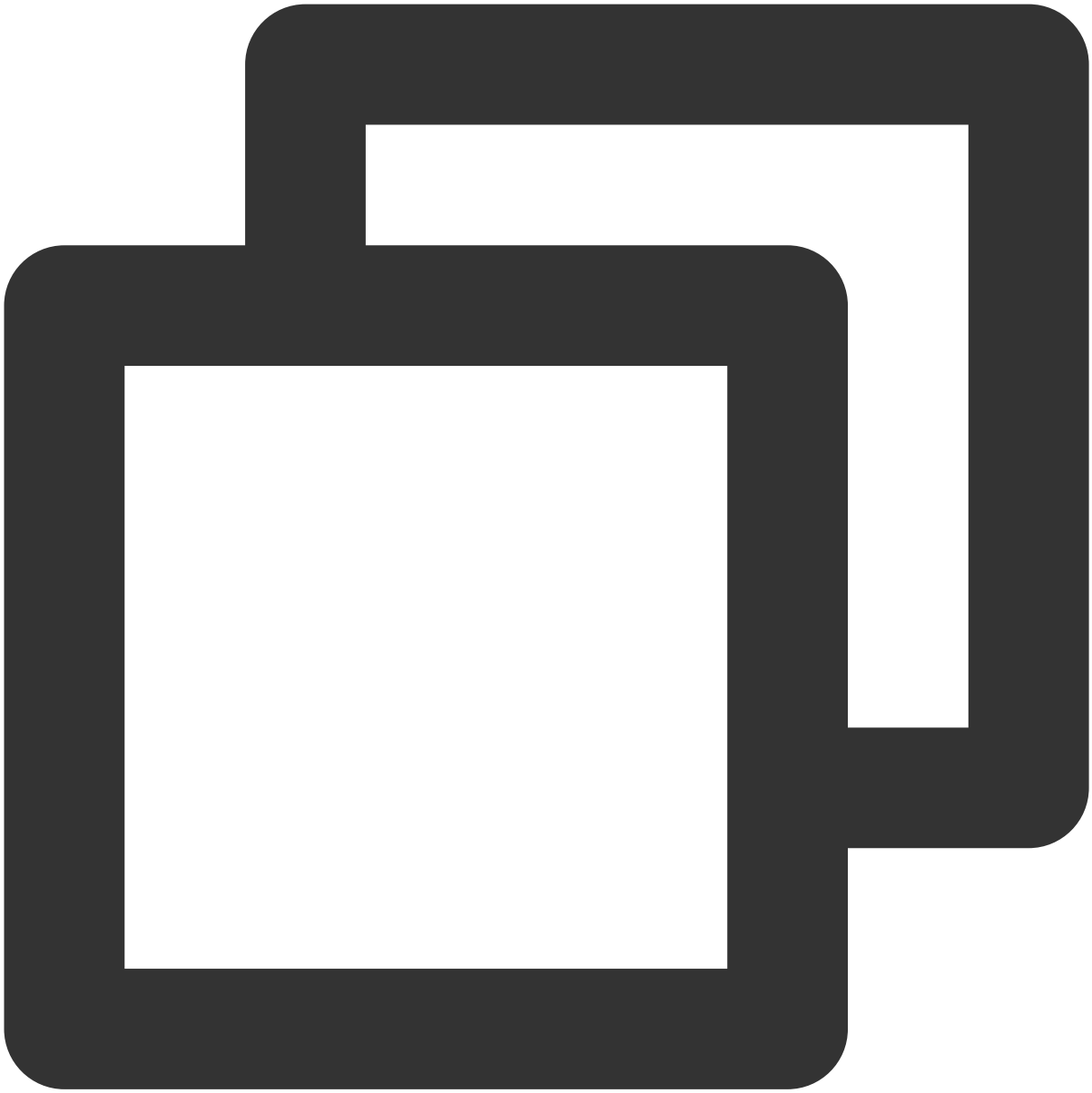
```
<script src="sdk-${version}.js"></script>
```

3. Get the online file preview URL

Option 1. Use the JS-SDK (on v0.1.1 or later) to get

Use the JS-SDK (on v0.1.1 or later) to get the online file preview URL as follows:

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```
var url = await COSDocPreviewSDK.getPreviewUrl( {
      objectUrl: 'https://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/tes
      credentials: {      // If the preview file is private, the request needs to c
          secretId: '',
          secretKey: '',
          authorization: 'q-sign-algorithmxxxxxxxxxxxxxxx',
      },
      copyable: 0,  // Whether the file content can be copied
      htmlwaterword: ''  // Watermark content
})
console.log(url)
```

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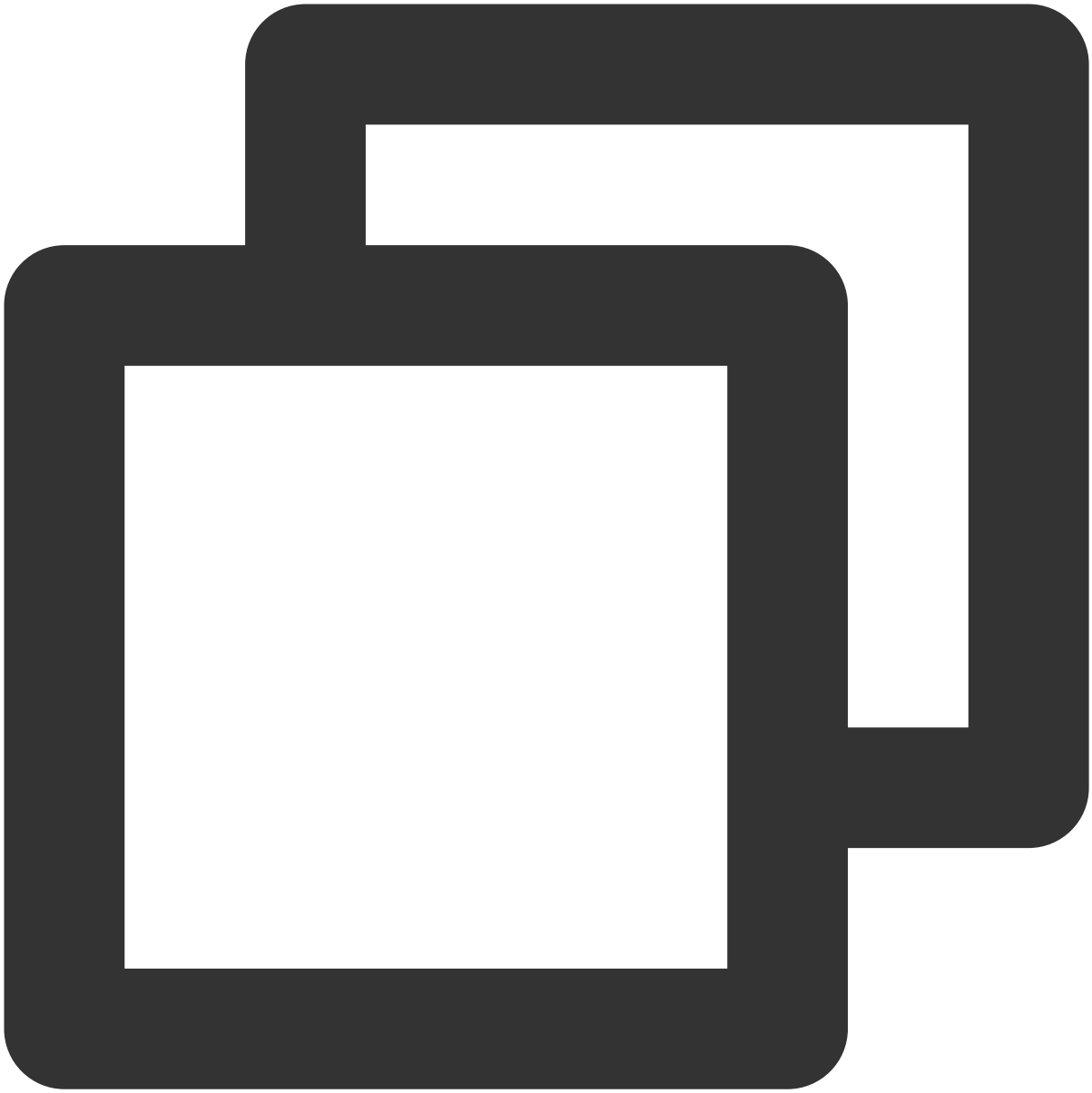
The configuration items are described as follows:

Configuration Item	Description	Required
objectUrl	The URL of the object that needs to be previewed, such as `https://examplebucket-1250000000.cos.ap-shanghai.myqcloud.com/test.pptx` .	Yes
credentials	If the object to be previewed is private, you need to pass in `credentials` as the access credential. You can pass in the calculated request signature (`authorization`) or your `secretId` and `secretKey` (not recommended as placing a permanent key on the frontend has security risks).	No
credentials.authorization	Object download signature. For more information, see Request Signature.	No
credentials.secretId	Your `secretId` , which can be obtained on the Manage API Key page in the CAM console.	No
credentials.secretKey	Your `secretKey` , which can be obtained on the Manage API Key page in the CAM console.	No
copyable	Whether the file content is copyable. Valid values: `1` (yes), `0` (no).	No
htmlwaterword	Watermark text, which must be URL-safe Base64-encoded as described in FAQs and is empty by default.	No
htmlfillstyle	Watermark RGBA (color and transparency), which must be URL-safe Base64-encoded as described in FAQs and is `rgba(192,192,192,0.6)` by default.	No
htmlfront	Watermark text style, which must be URL-safe Base64-encoded as described in FAQs and is `bold 20px Serif` by default.	No
htmlrotate	Rotation angle in degrees. Value range: 0–360. Default value: `315` .	No
htmlhorizontal	Horizontal spacing of the watermark text in px. Default value: `50` .	No
htmlvertical	Vertical spacing of the watermark text in px. Default value: `100` .	No

Option 2. Directly request to get

Sample request

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```
GET /<ObjectKey>?ci-process=doc-preview&dstType=html&weboffice_url=1&sign=AuthStrin
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
```

Request parameters

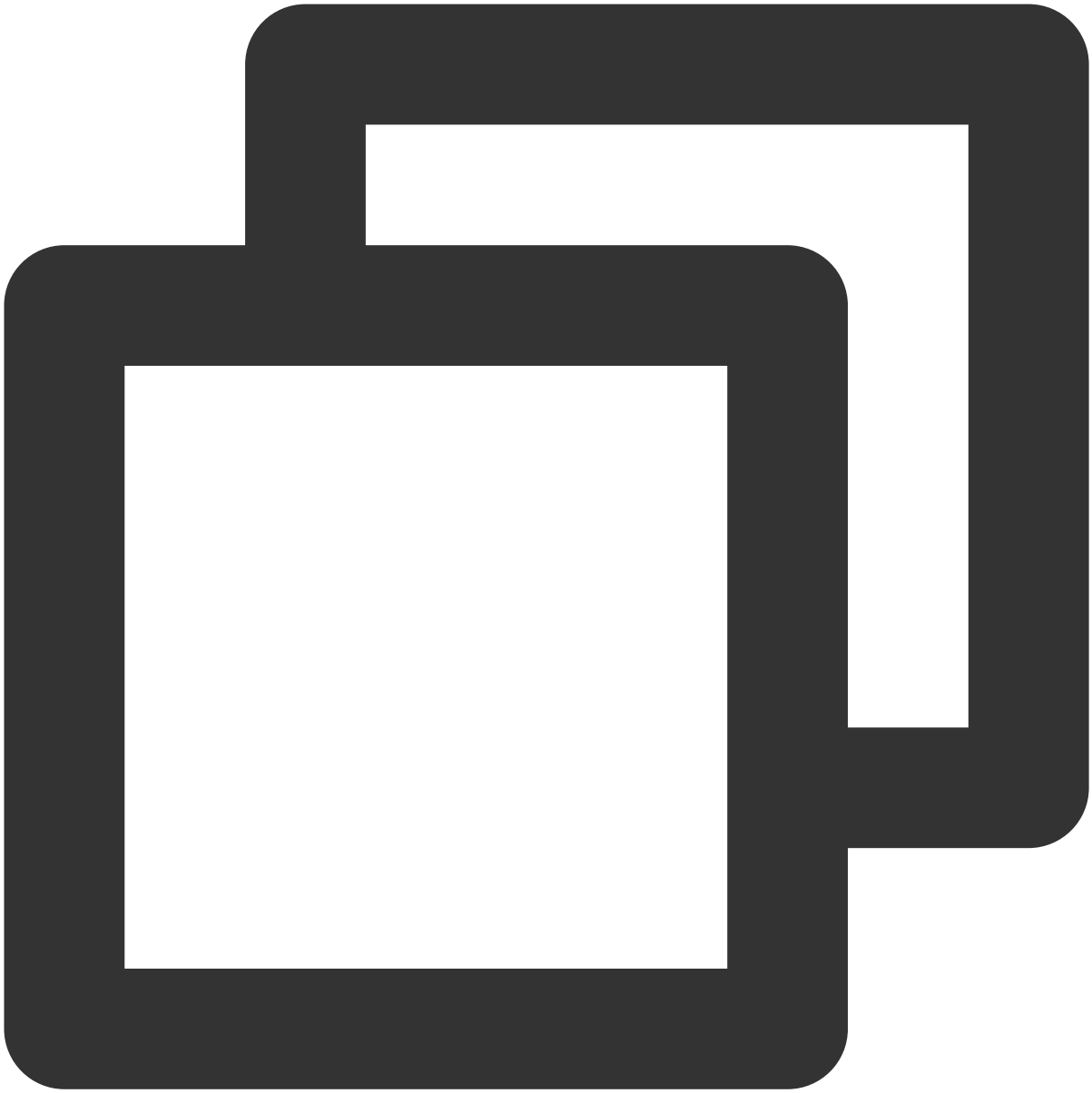
Parameter	Description	Required
ci-process	Preview parameter, which is fixed at `doc-preview` .	Yes

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dstType	Preview type. To generate HTML files for preview, enter `html`.	Yes
weboffice_url	Whether to get the preview URL. Valid values: `1` (return the preview URL and token information); `2` (return the token information only). If this parameter is not specified, the file will be directly previewed.	No
tokenuid	Whether to get the token. A token will be generated and returned along with its validity period based on the information passed in such as `tokenuid` and file information. If this parameter is not specified, the token information won't be returned.	No
sign	Object download signature, which must be URL-encoded. If the previewed object is privately readable, the signature needs to be passed in. For more information, see Request Signature.	No
copyable	Whether the file content is copyable. Valid values: `1` (yes), `0` (no).	No
htmlwaterword	Watermark text, which must be URL-safe Base64-encoded as described in FAQs and is empty by default.	No
htmlfillstyle	Watermark RGBA (color and transparency), which must be URL-safe Base64-encoded as described in FAQs and is `rgba(192,192,192,0.6)` by default.	No
htmlfront	Watermark text style, which must be URL-safe Base64-encoded as described in FAQs and is `bold 20px Serif` by default.	No
htmlrotate	Rotation angle in degrees. Value range: 0–360. Default value: `315`.	No
htmlhorizontal	Horizontal spacing of the watermark text in px. Default value: `50`.	No
htmlvertical	Vertical spacing of the watermark text in px. Default value: `100`.	No

Sample response

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```
HTTP/1.1 200 OK
Content-Type: text/html
Content-Length: 478
Date: Thu, 25 Feb 2021 07:44:37 GMT
Status: 200 OK
x-cos-request-id: NjAzNzU1NjVfY2MxZTIzMDlfNzc5NF8yMDQ5****



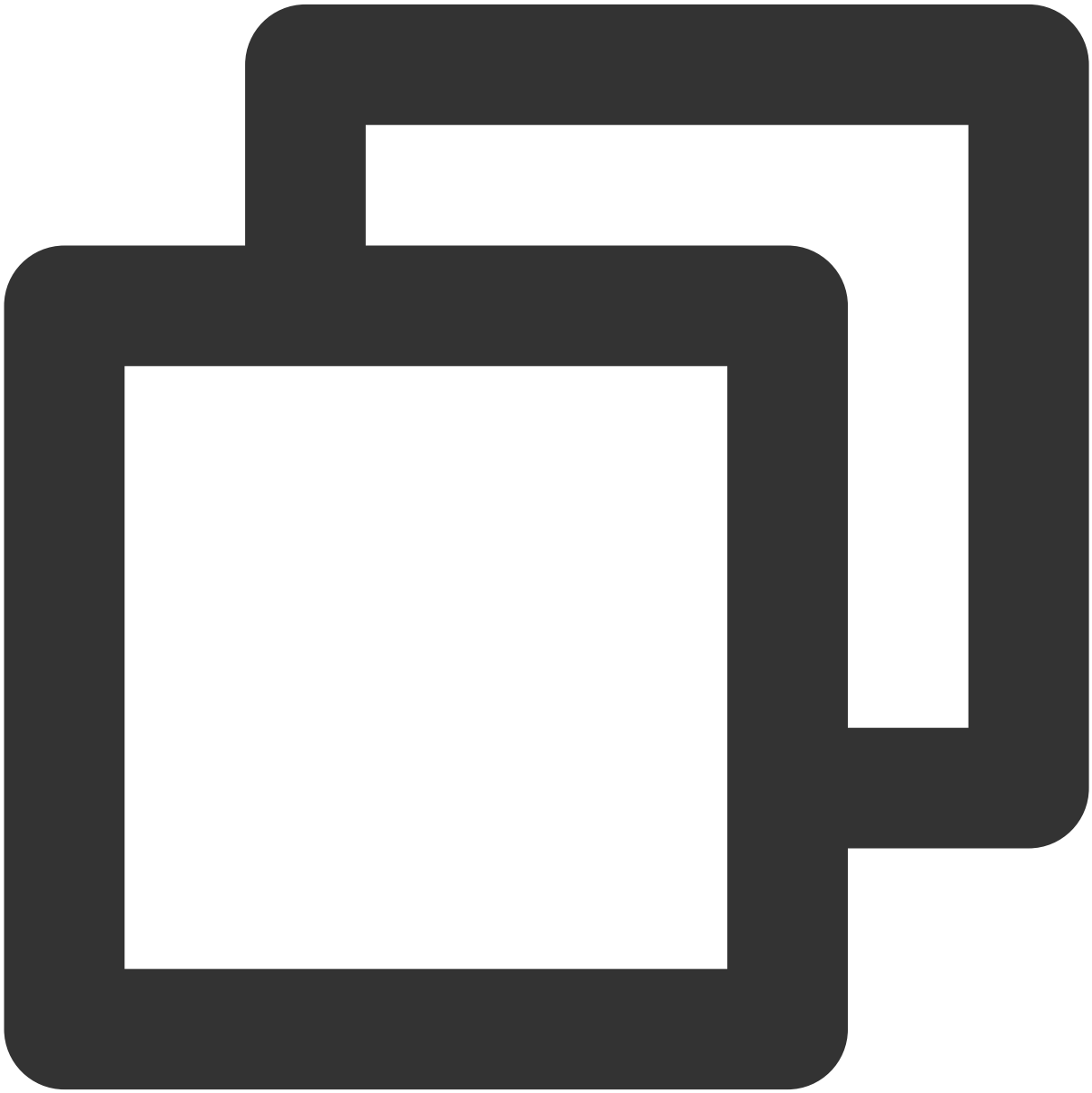
{
        "PreviewUrl": "https://prvsh.myqcloud.com/office/p/xxxx?_w_provider=XXX"
```

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```
}
```

4. Initialize

During initialization, the JS-SDK will create an iframe under the configured mount node and automatically initialize relevant data and events.



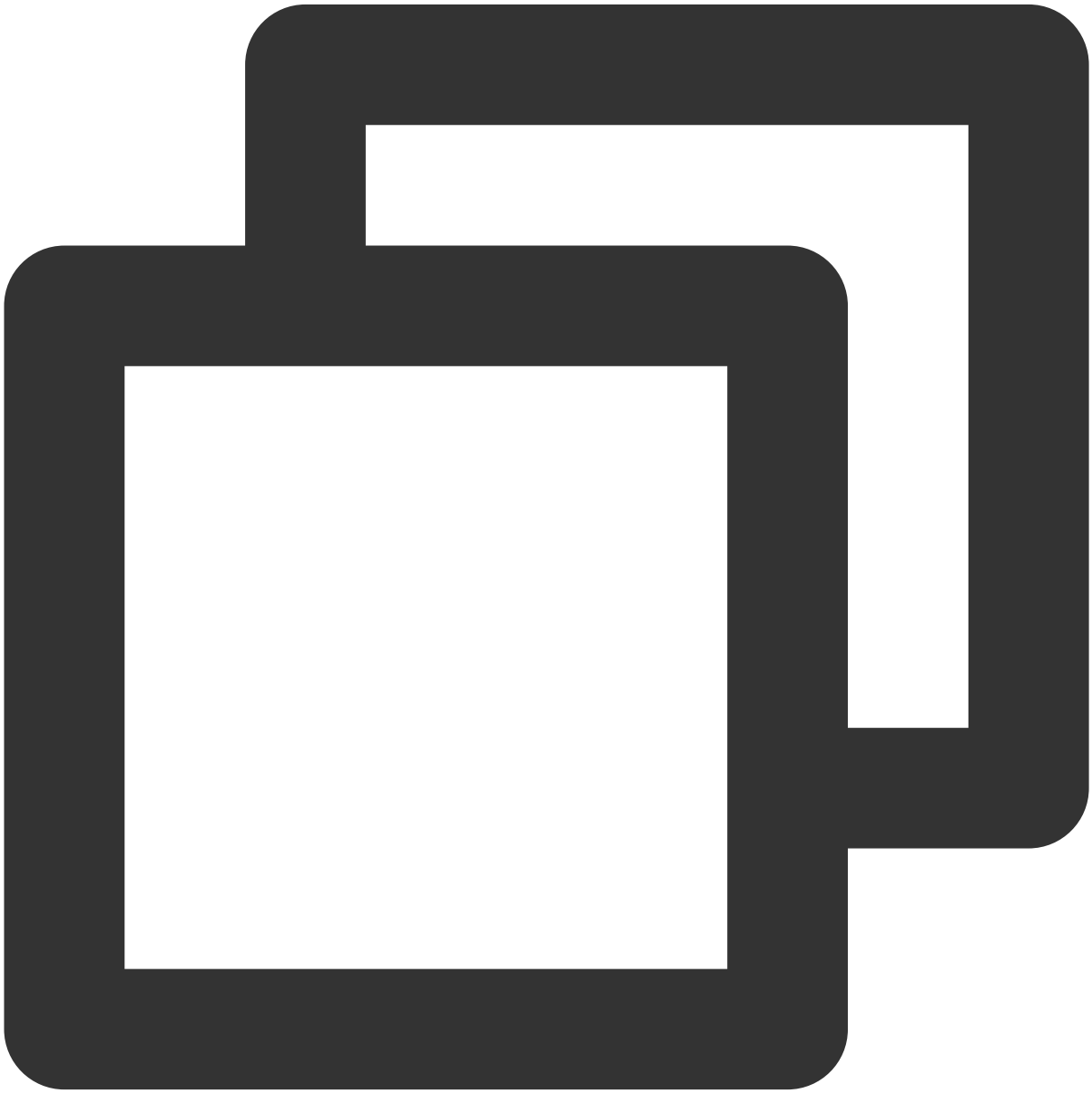
```
var demo = COSDocPreviewSDK.config({
    url: 'Online file preview URL',  // The online preview URL of the file obtained
})
// If special processing needs to be performed on the iframe, you can get the DOM o
```

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```
console.log(demo.iframe)
// File open result
demo.on('fileOpen', function(data) {
    console.log(data.success)
})
```

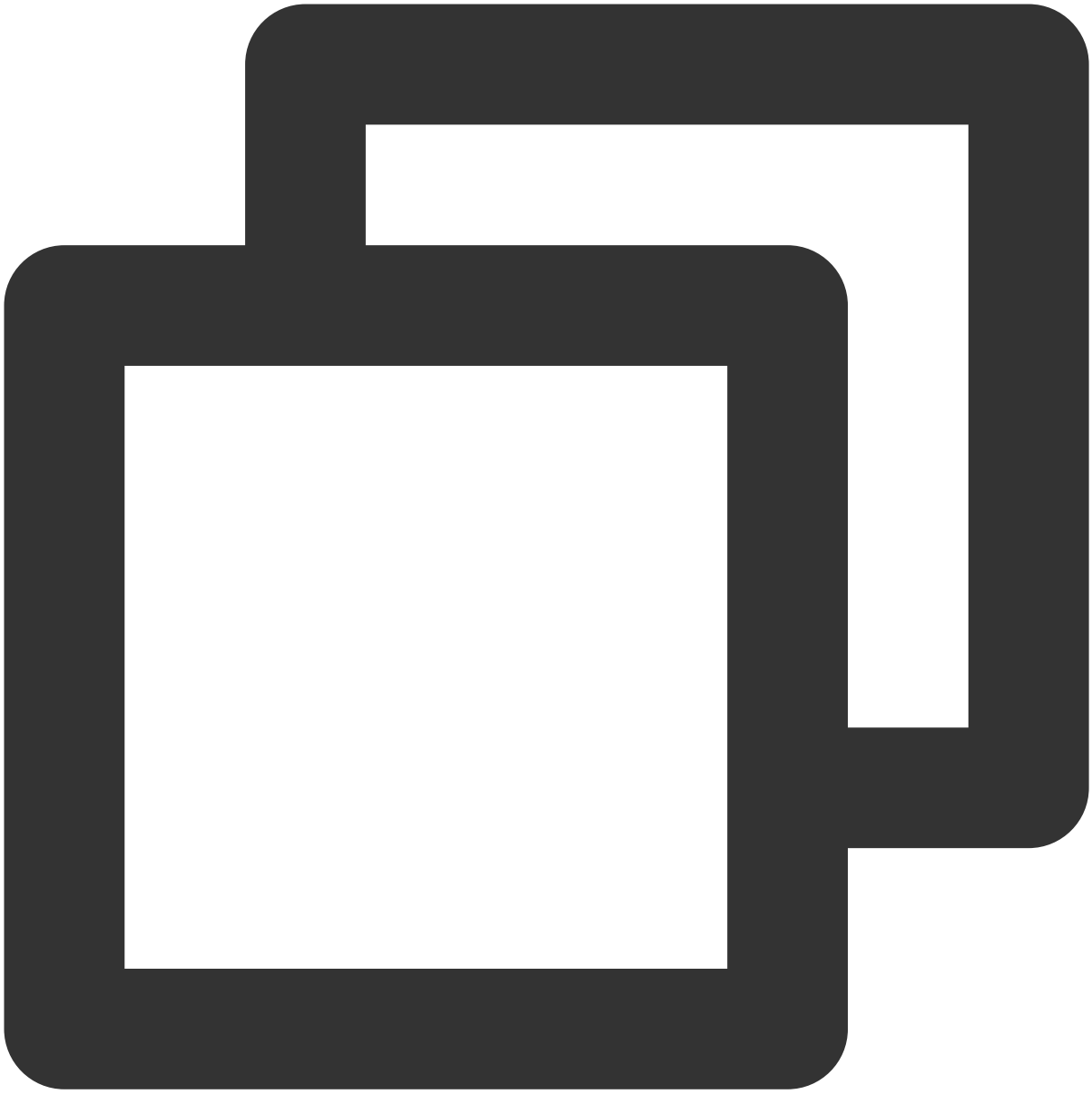
5. Configure the mount node

The mount node is the node mounted when the JS-SDK inserts the iframe. It is configurable during initialization.



```
<div class="custom-mount"></div>
```

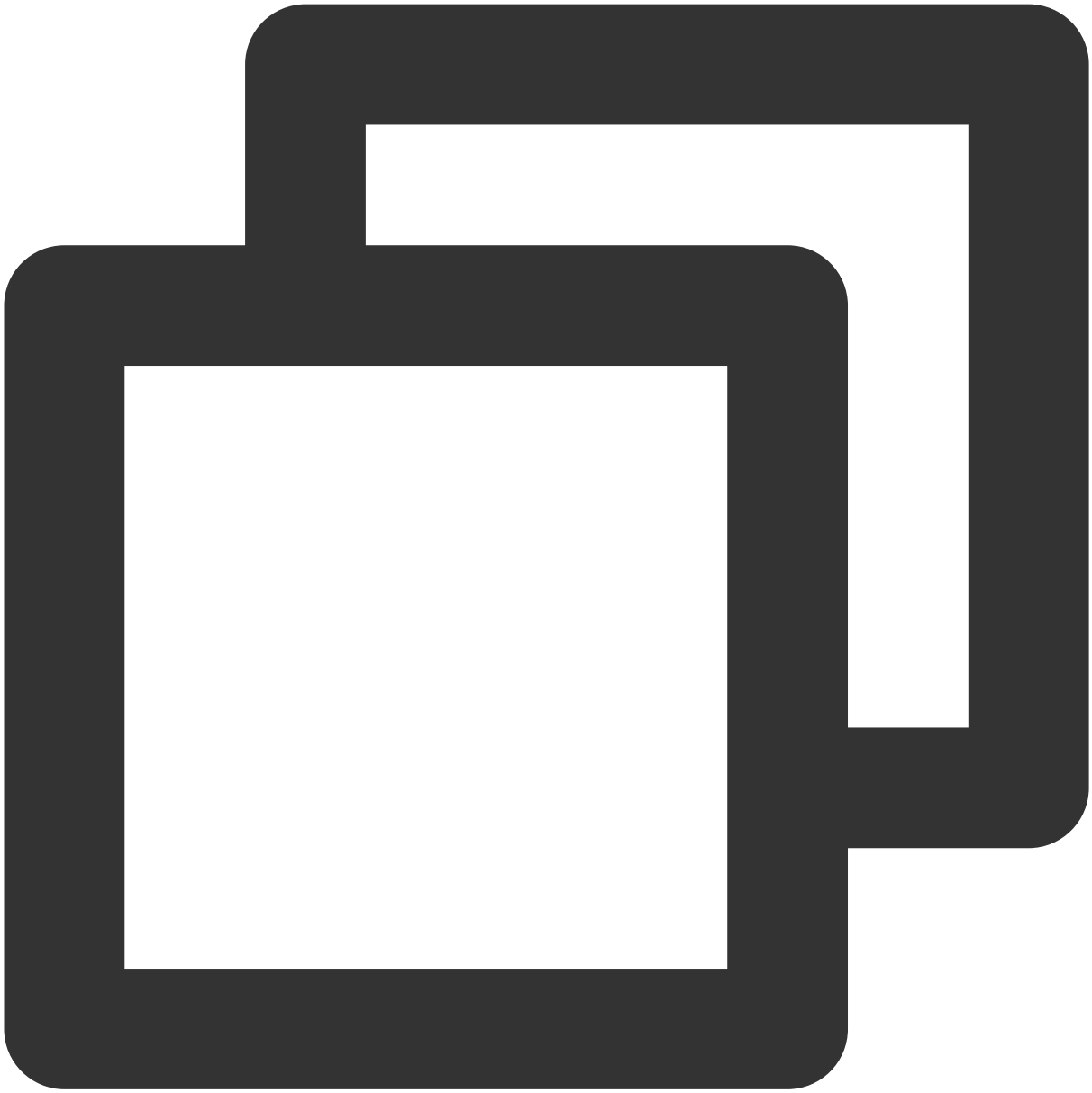
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```
var demo = COSDocPreviewSDK.config({
    url: 'Online file preview URL',    // The online preview URL of the file obtain
    mount: document.querySelector('.custom-mount')    // Mount node. By default, th
})
```

After initialization is completed, the JS-SDK will automatically insert an iframe under the mount node.

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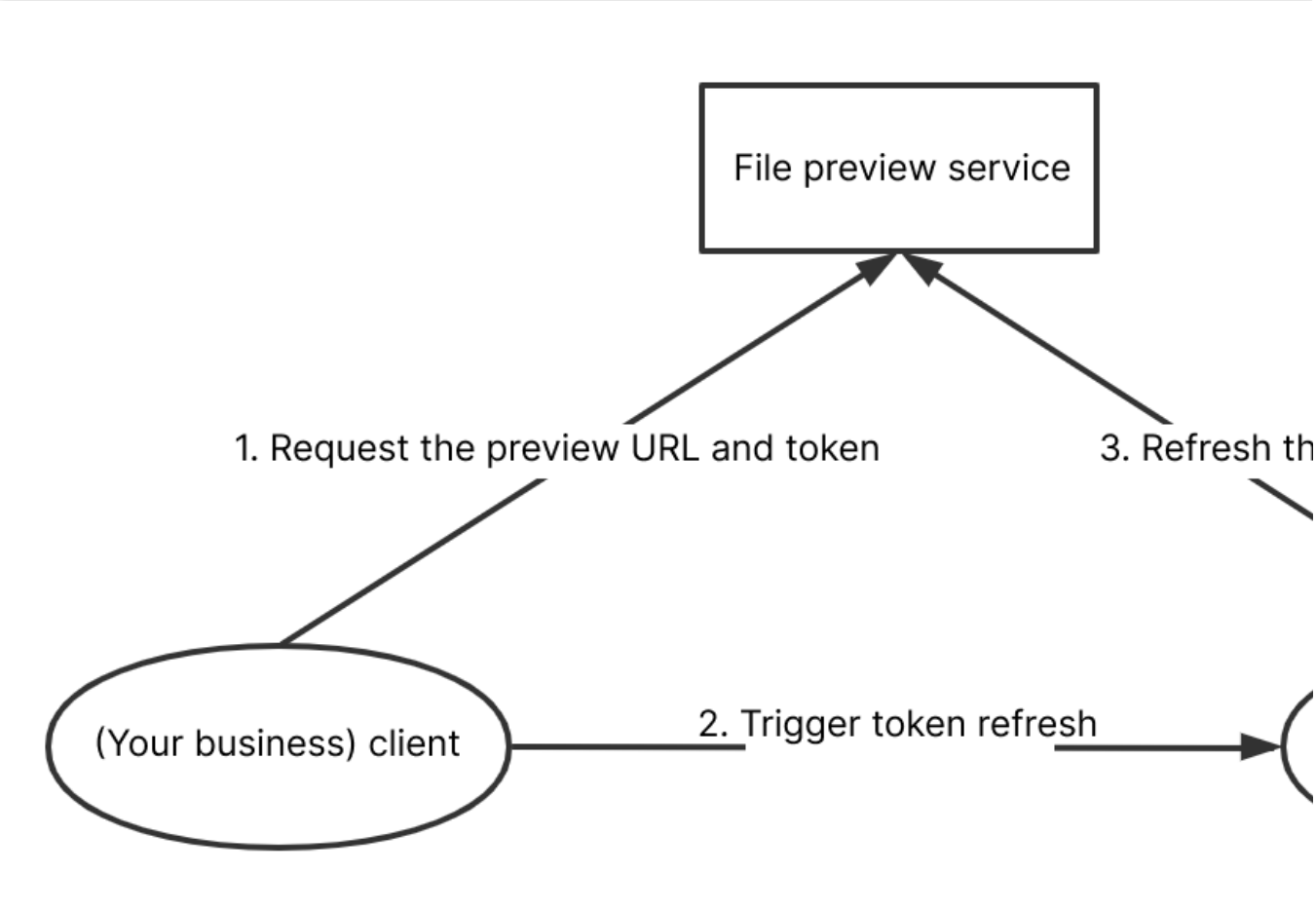
```
<div class="custom-mount">
    <iframe src="..."></iframe>
</div>
```

6. Authenticate the token

If no token is used, the signature validity period will be used for authentication by default. Once the signature expires, the file cannot be previewed.

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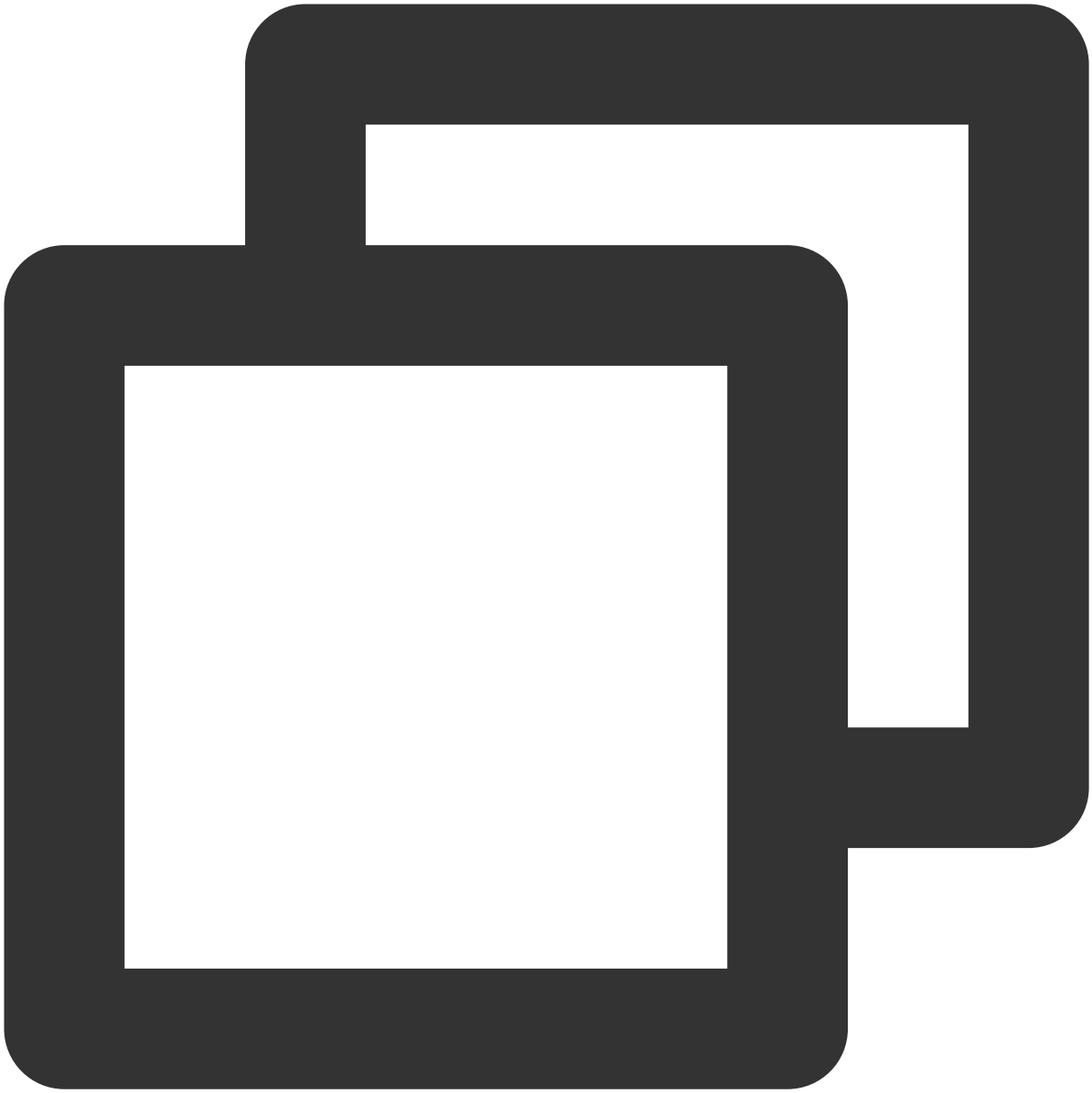
If a token is used for authentication, token authentication and refresh can be performed continuously during preview, and you can control the preview authorization on your own.



Token authentication and renewal can be completed in the following three steps. For more information, see the demo.

1. Get the token.

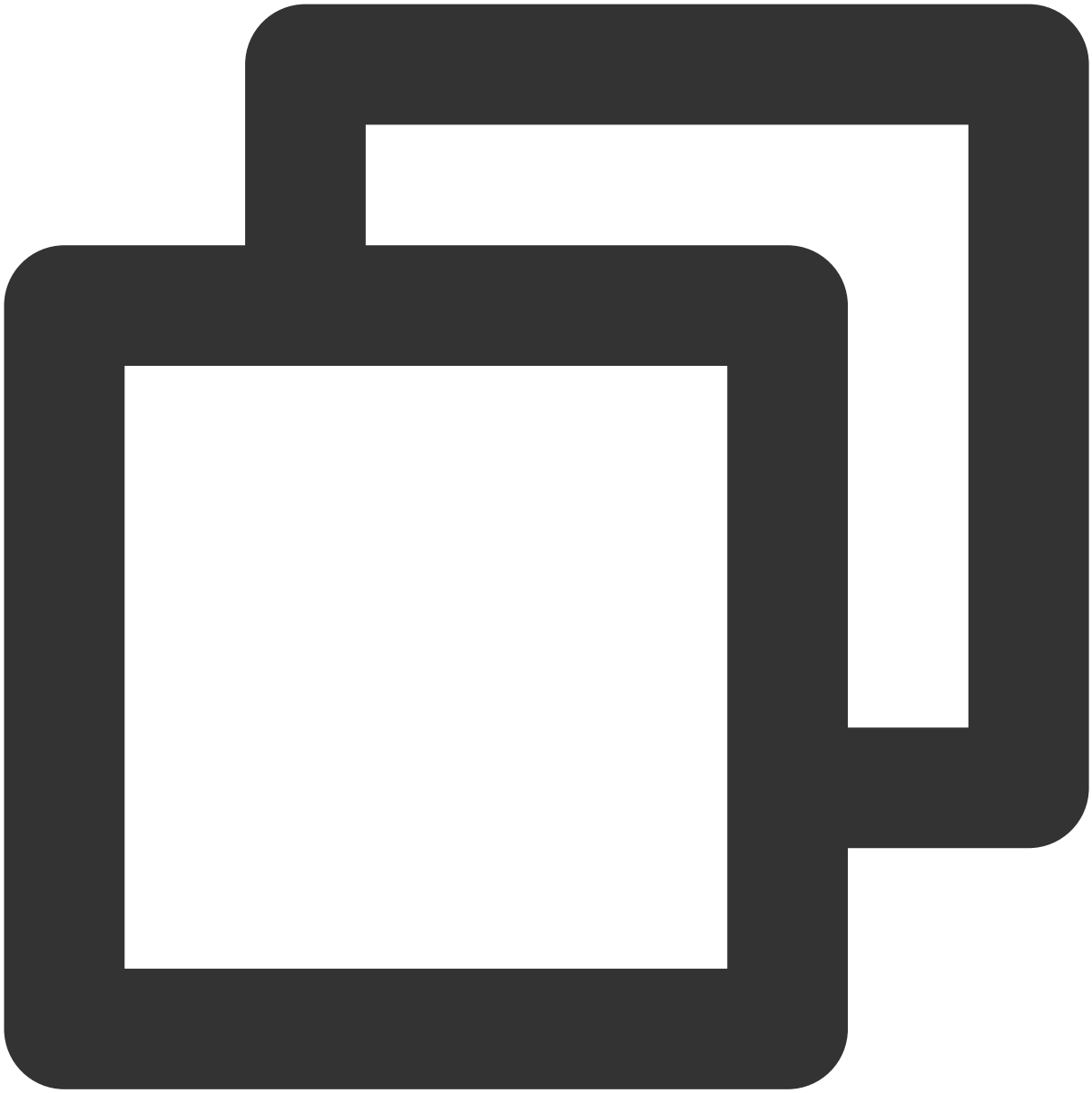
Request sample



```
GET /<ObjectKey>?ci-process=doc-preview&dstType=html&weboffice_url=2&tokenuid=test&
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: GMT Date
```

Sample Response

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```
HTTP/1.1 200 OK
Content-Type: text/html
Content-Length: 108
Date: Tue, 21 Jun 2022 10:41:10 GMT
Status: 200 OK
x-cos-request-id: NjJiMWEwNDZfMTgyMjYyNjRfYmRlYl9iNTAw****



{
 Token: "ChAJj2vNRiHTc8reToMmJ7T2EJ7FxpUGGhS1mPJanpN03u8PSB17/YKBA/Vo****"
```

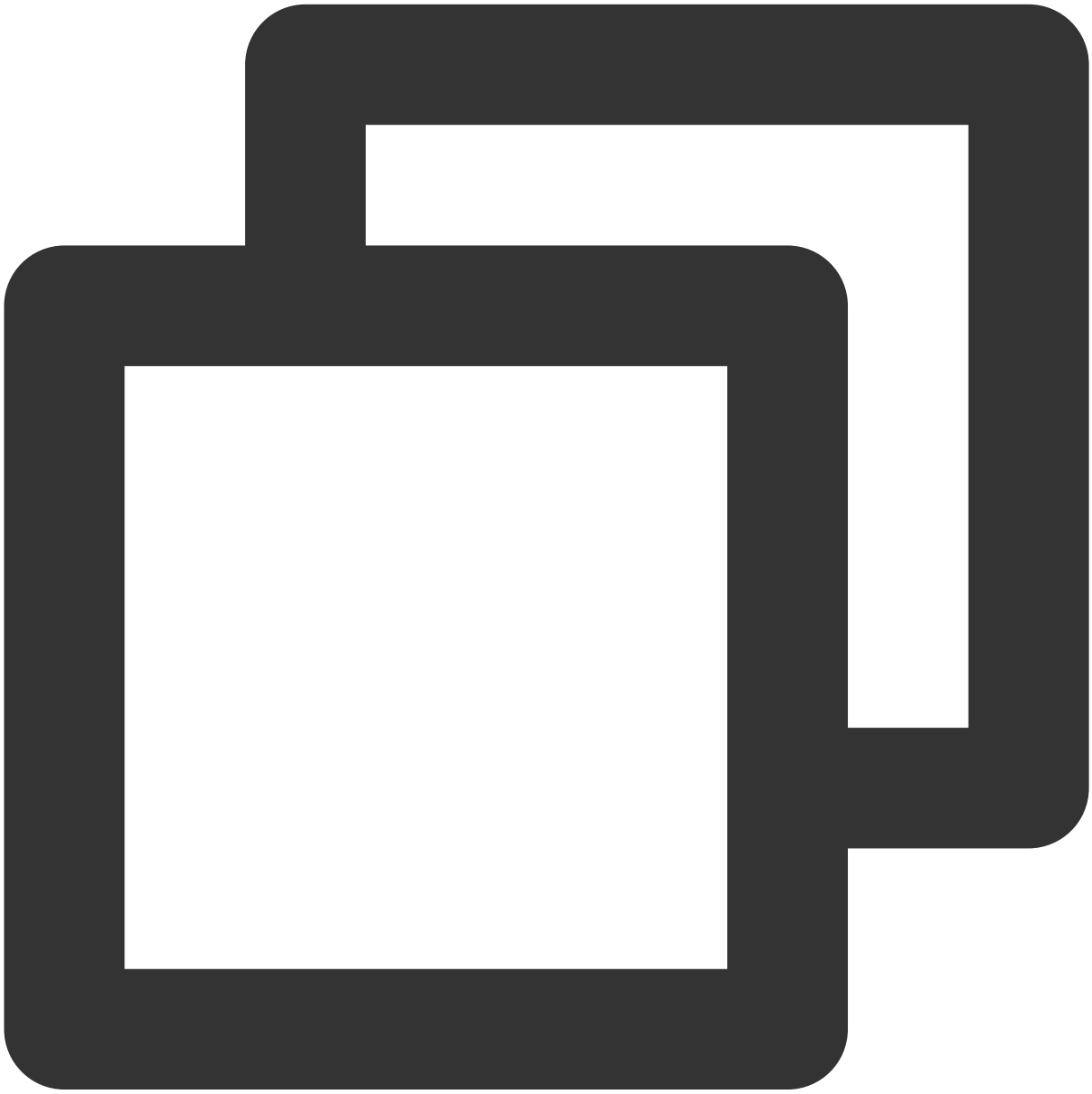
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```
 TokenExpireTime: "1655808670"
}
```

2. Set the token.

Note:

To avoid frequent token refresh, we recommend you set `timeout` to over 10 minutes. To prevent the refresh request from timing out, the JS-SDK will refresh the token several minutes in advance.



```
var demo = COSDocPreviewSDK.config({
    url: 'Online file preview URL',  // The online preview URL of the file obtained
})
```

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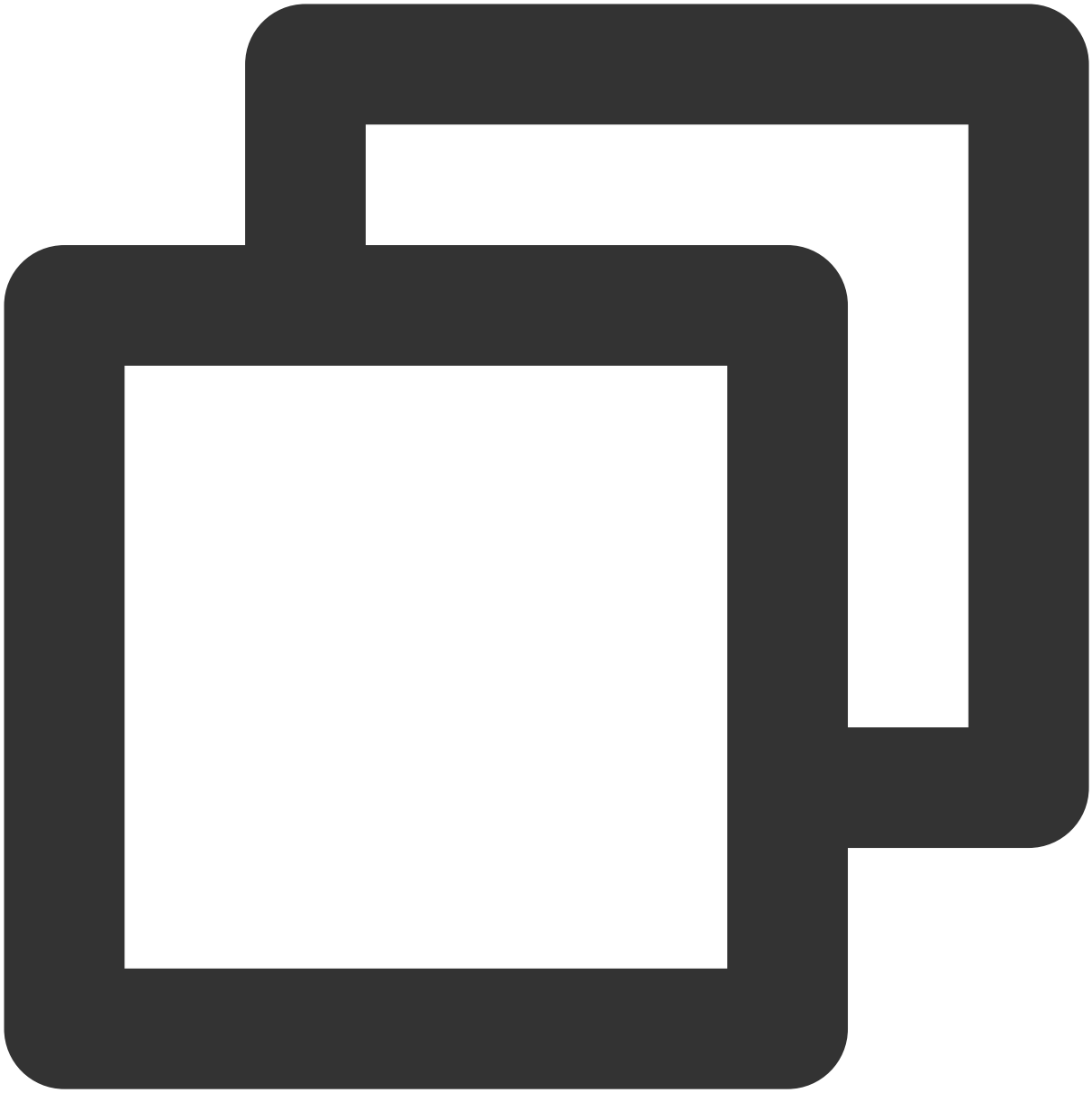
```
// Set the token
demo.setToken({
  token: 'yourToken', // Enter the obtained token
  timeout: 10 * 60 * 1000, // Timeout period of the token in milliseconds. To avoid
});
```

3. Configure the `refreshToken` method to automatically refresh the token upon timeout.

The `refreshToken` method needs to request the **token refresh method encapsulated on your server**. The server can encapsulate the above token acquisition method (for more information, see Get the token).

Taking the server method `http://your.server.com/refreshToken` as an example, configure `refreshToken` as follows:

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```
// Get the token
const refreshToken = () => {
  // Call the method encapsulated on the server to get the token information
  const tokenInfo = await $.get('http://your.server.com/refreshToken')

  // `Promise` or `return { token, timeout }` can be returned.
  return {
    token: tokenInfo.token, // The token to be set, which is required.
    timeout: 10 * 60 * 1000, //  The token timeout period in milliseconds, which is
  };
};
```

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```
var demo = COSDocPreviewSDK.config({
    url: 'Online file preview URL',
    refreshToken    // Automatic token refresh method
})

// Set the token
demo.setToken({
  token: 'yourToken', // Enter the obtained token
  timeout: 10 * 60 * 1000   // Token timeout period in milliseconds
});
```

Examples

For the sample code of online preview of a text file, see the DOC file preview demo at GitHub.

For the sample code of online preview of a presentation file, see the PPT file preview demo at GitHub.

For the sample code of online preview of a spreadsheet file, see the Excel file preview demo at GitHub.

For the sample code of online preview of a PDF file, see the PDF file preview demo at GitHub.

For the sample code of token authentication and renewal, see the token authentication and renewal demo at GitHub.

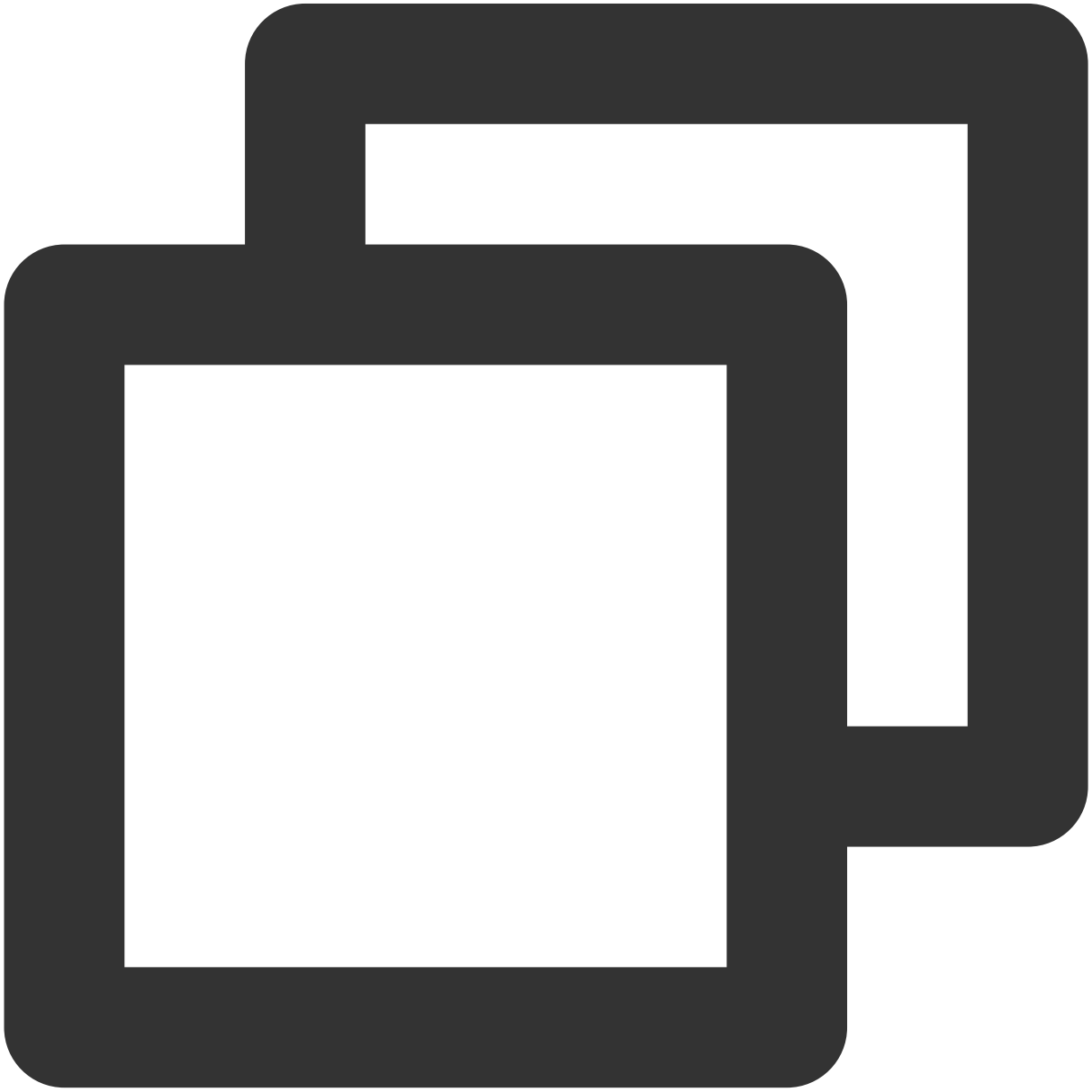
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Configuration Item Description

Last updated：2024-02-19 16:02:58

Display Mode

Enable different display modes by initializing the configuration option class:



```
var demo = COSDocPreviewSDK.config({
```

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```
    mode: 'normal',
})
```

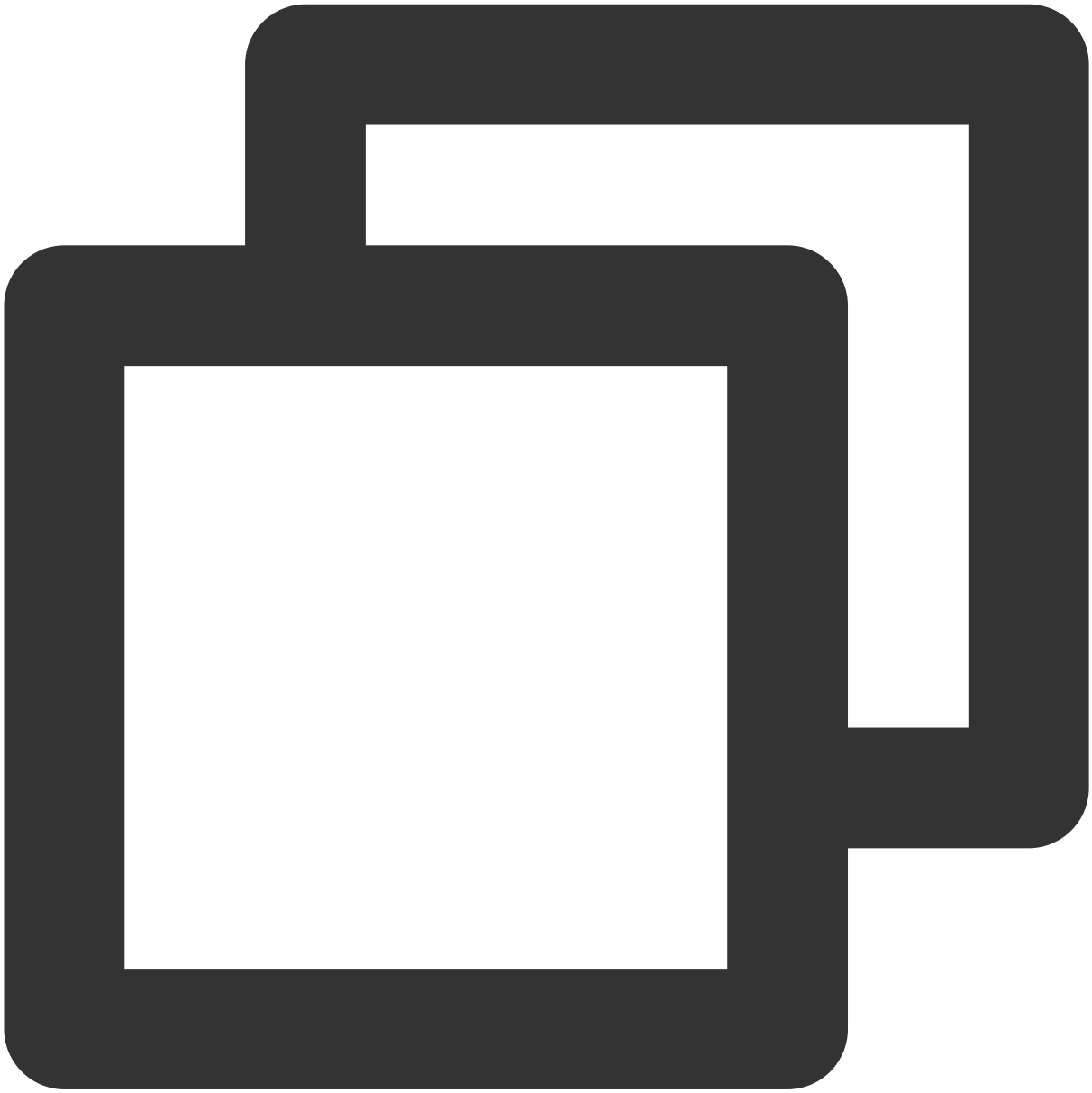
The configuration options are as described below:

`mode` Value	Description	Default Option
normal	Normal mode, with all functional UIs shown	Yes
simple	Simple mode, with no header and toolbar shown	No

Custom Configuration Options

When initializing the JS-SDK, by configuring different options for different types of files, you can enable or disable specific configurations in a file and control its status when it is opened.

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```
COSDocPreviewSDK.config({
    // Common option, which is applicable to all types of files.
    commonOptions: {
      isShowTopArea: false, // Hide the top area (header and toolbar).
      isShowHeader: false // Hide the header area.

    },
    // Word file configurations.
    wordOptions: {
      isShowDocMap: false,
      isBestScale: true
```

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```
    },
    // PDF file configurations.
    pdfOptions: {
      isShowComment: true,
      isInSafeMode: false
    },
    // Presentation file configurations.
    pptOptions: {
      isShowBottomStatusBar: true
    }
})
```

Common configuration items: `commonOptions`

Configuration Item	Description	Default Value
isShowTopArea	Whether to show the top area (header and toolbar)	false
isShowHeader	Whether to show the header area	false
isBrowserViewFullscreen	Whether to enable full screen mode in the browser area	false
isIframeViewFullscreen	Whether to enable full screen mode in the iframe area	false

Text file configuration items: `wordOptions`

Configuration Item	Description	Default Value
isShowDocMap	Whether to enable the directory feature, which is enabled by default.	true
isBestScale	Whether to display the file at the best scale by default (for PC) when the file is opened	true
isShowBottomStatusBar	Whether to show the bottom status bar (for PC)	false

PDF file configuration items: `pdfOptions`

Configuration Item	Description	Default Value
isShowComment	Whether to show annotations, which are shown by default.	true
isInSafeMode	Whether to enable the safe mode (text cannot be selected or copied and links cannot be opened). It is disabled by default.	false
isShowBottomStatusBar	Whether to show the bottom status bar (for PC)	false

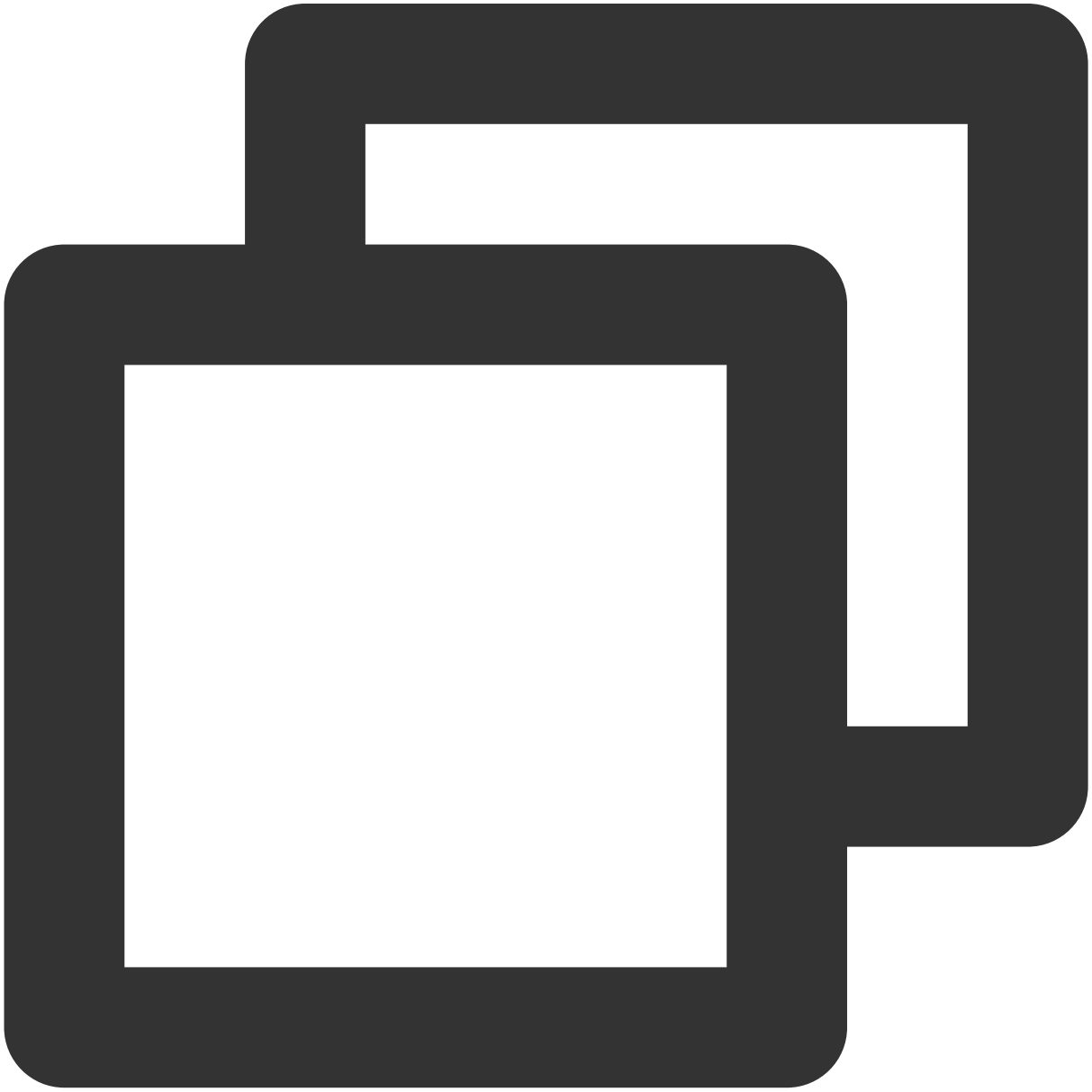
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Presentation file configuration items: `pptOptions`

Configuration Item	Description	Default Value
isShowBottomStatusBar	Whether to show the bottom status bar (for PC)	false

Component Status Settings

Page components can be hidden or disabled through the `commandBars` option.



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```
COSDocPreviewSDK.config({
    // Common option, which is applicable to all types of files.
    commandBars: [
      {
        cmbId: 'Print', // Component ID
        attributes:{
          visible: false, // Whether to show the component. Valid values: `false` (
          enable: false, // Whether to enable the component. Default value: `true`.
        },
      },
    ]
})
```

The list of currently available components is as follows:

Component ID	Description	Scope of Application
Print	Print feature and the Ctrl + P shortcut for print	All files
MobileHeader	Top toolbar in the client	All files
WriterHoverToolbars	Bottom toolbar in the client	Word files
DownloadImg	Download icon when the image is double-clicked	Presentation files
PlayComponentToolbar	Toolbar in the top-right corner when in full screen mode	Presentation files
PlayContextCheckImage	Right click during playback - View original image	Presentation files
FloatMenuCheckImage	Floating menu bar when the image is selected - View original image	Presentation files
WPPMobileCommentButton	Comment button on the bottom toolbar in the client	Presentation files
PDFMobilePageBar	Page number in the client	PDF files

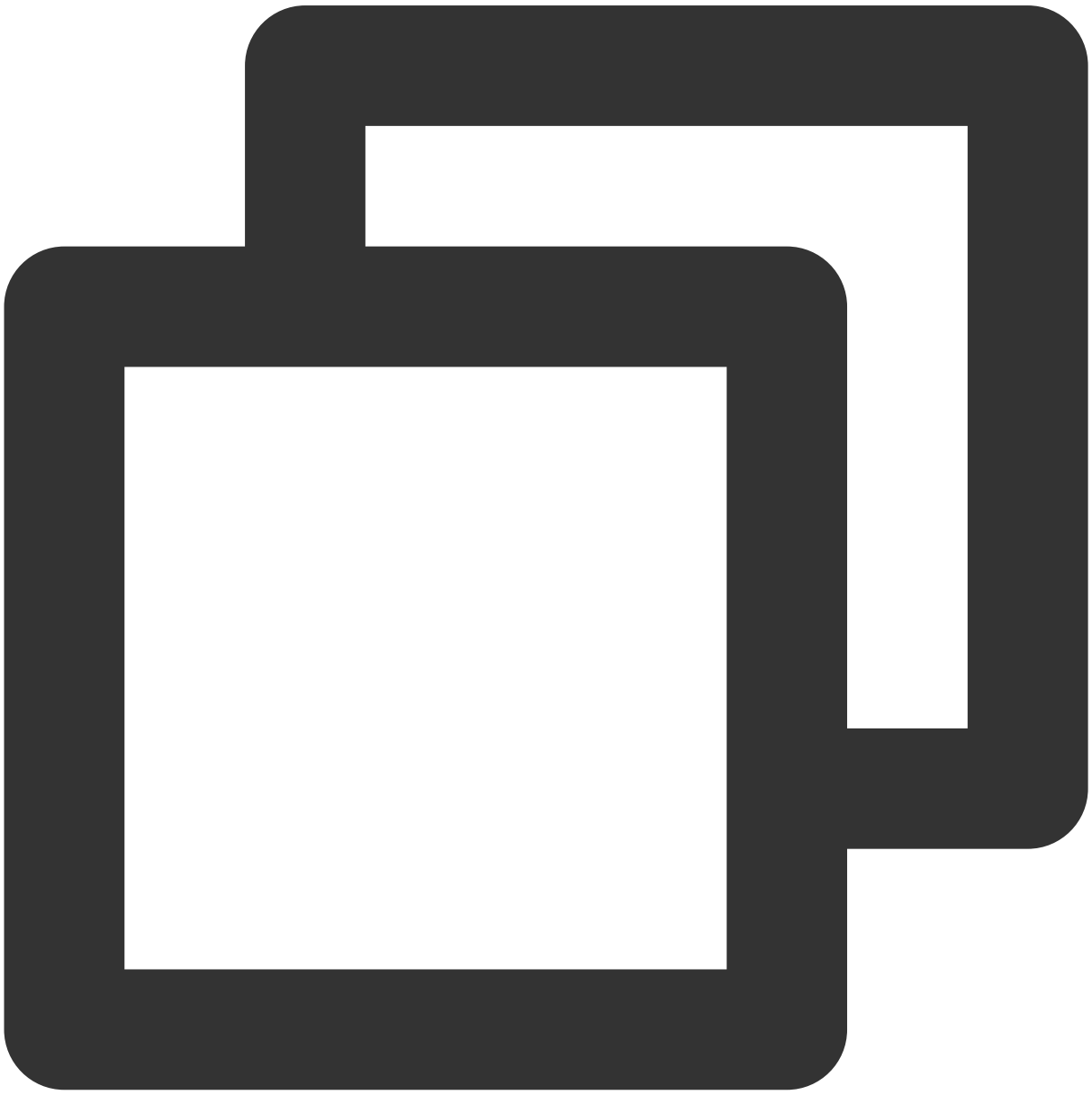
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Advanced Features

Last updated：2024-02-19 16:02:58

The JS-SDK provides advanced features to directly manipulate files. Below is the call process of advanced features:

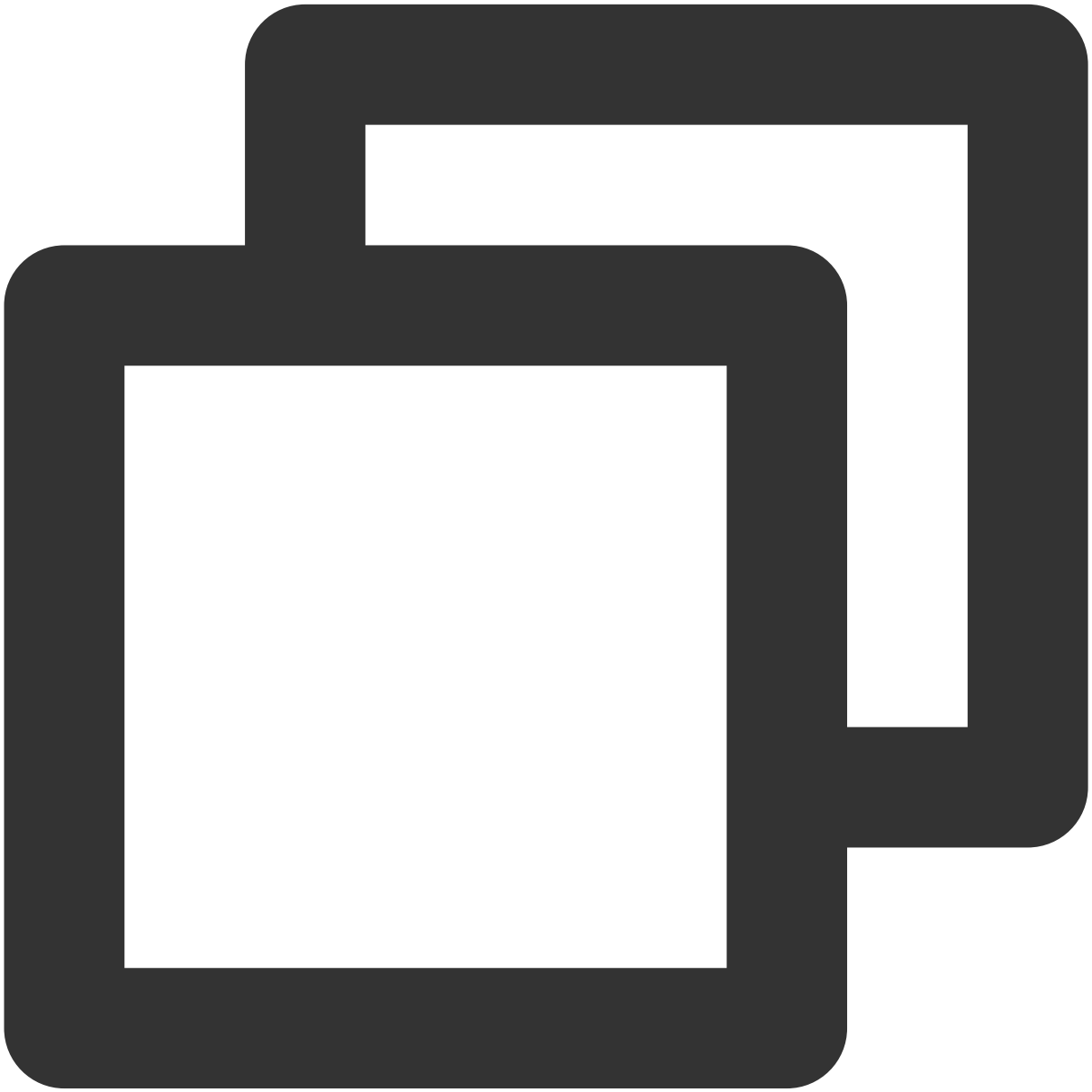
1. Wait for a file to be loaded



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```
await demo.ready() // You can call an advanced API only after the demo is ready. Th
```

2. Get the file object



```
// Text
const wordApp = demo.WordApplication()
// Spreadsheet
```

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```
const excelApp = demo.ExcelApplication()
// Presentation
const pptApp = demo.PPTApplication()
// PDF
const pdfApp = demo.PDFApplication()

// Automatic recognition
const app = demo.Application
```

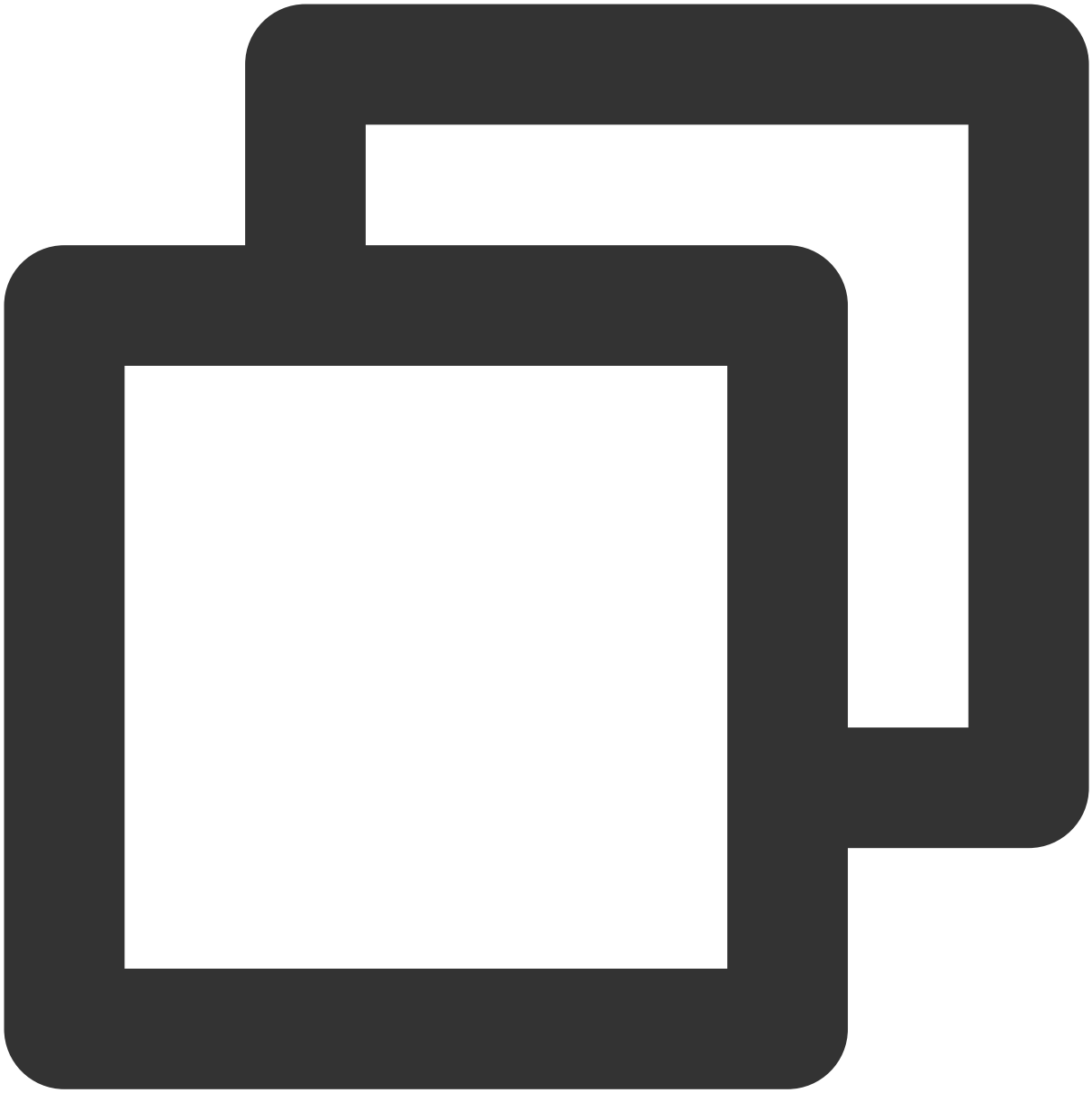
3. Use advanced features

Below is the sample code of using advanced features on text, spreadsheet, presentation, and PDF files. For the specific formats supported for each file type, see Specifications and Limits.

Text file

Get the total number of pages

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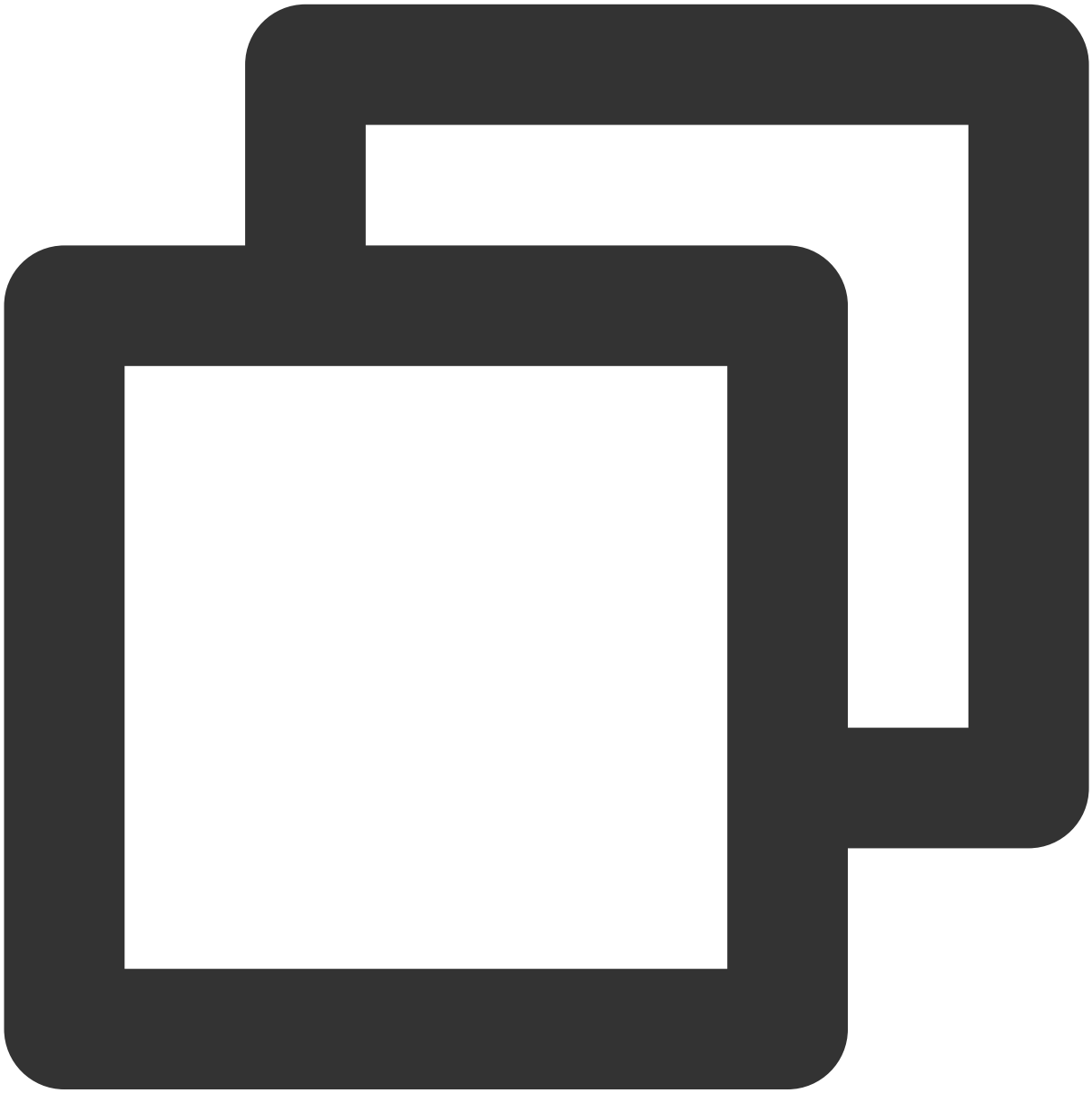


```
/*
* @param: WdInformation: {
*       wdNumberOfPagesInDocument: 4
*   }
* @return: {PagesCount: number, End: boolean}
*/
const app = demo.WordApplication()
const {Enum} = app
let totalPages = await app.ActiveDocument.Range.Information(Enum.WdInformation.wd
if (totalPages.End) {
  // Getting the total number of pages is an async operation. The obtained number
```

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```
    console.log("All pages are loaded. There are ", totalPages.PagesCount, " pages
}
```

Get the current page

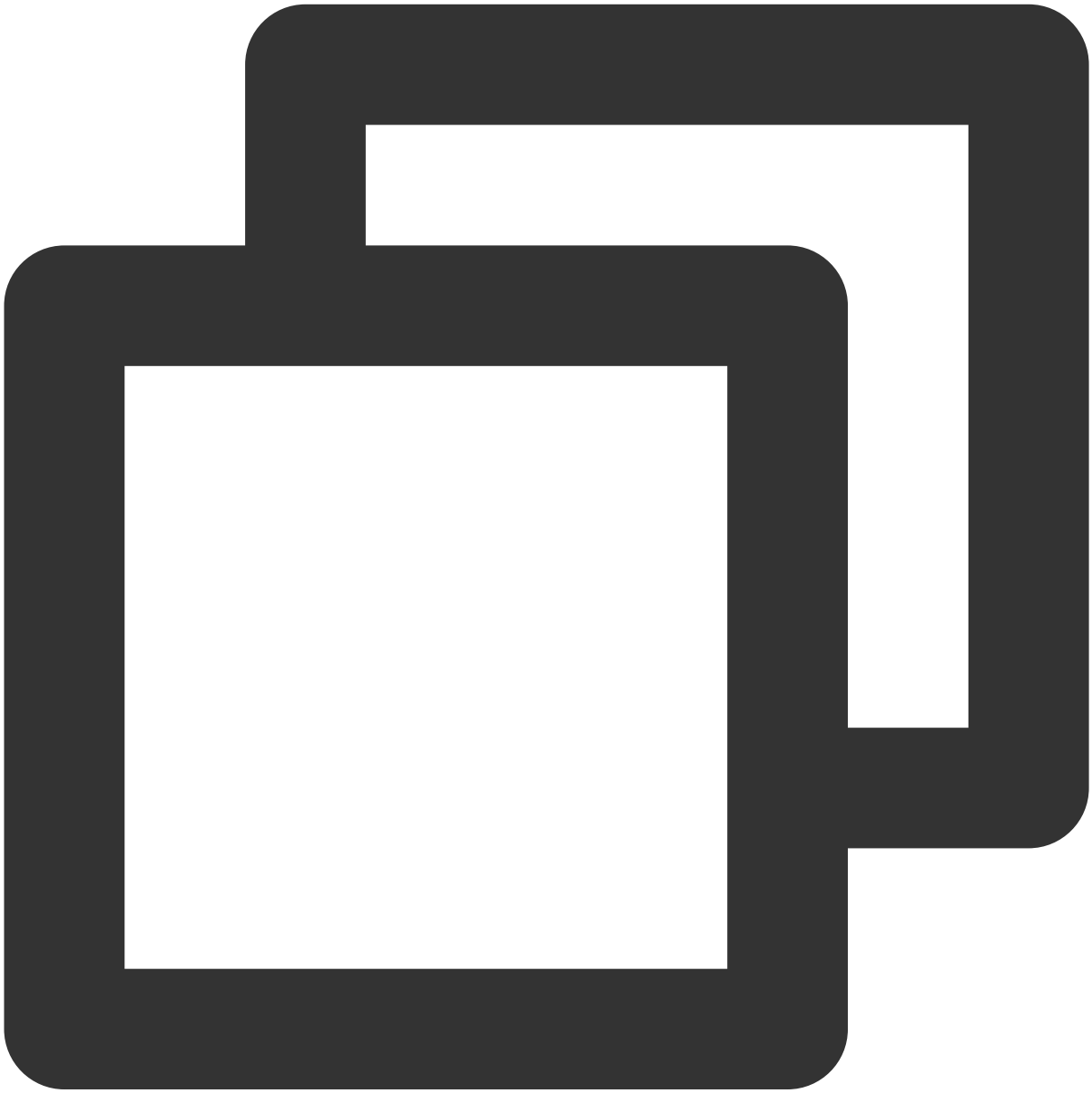


```
/*
* @param: WdInformation: {
*       wdActiveEndPageNumber: 3
*   }
* @return: number
*/
const app = demo.WordApplication()
```

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```
const {Enum} = app
let currentPage = await app.ActiveDocument.Selection.Information(Enum.WdInformati
```

Go to the specified page



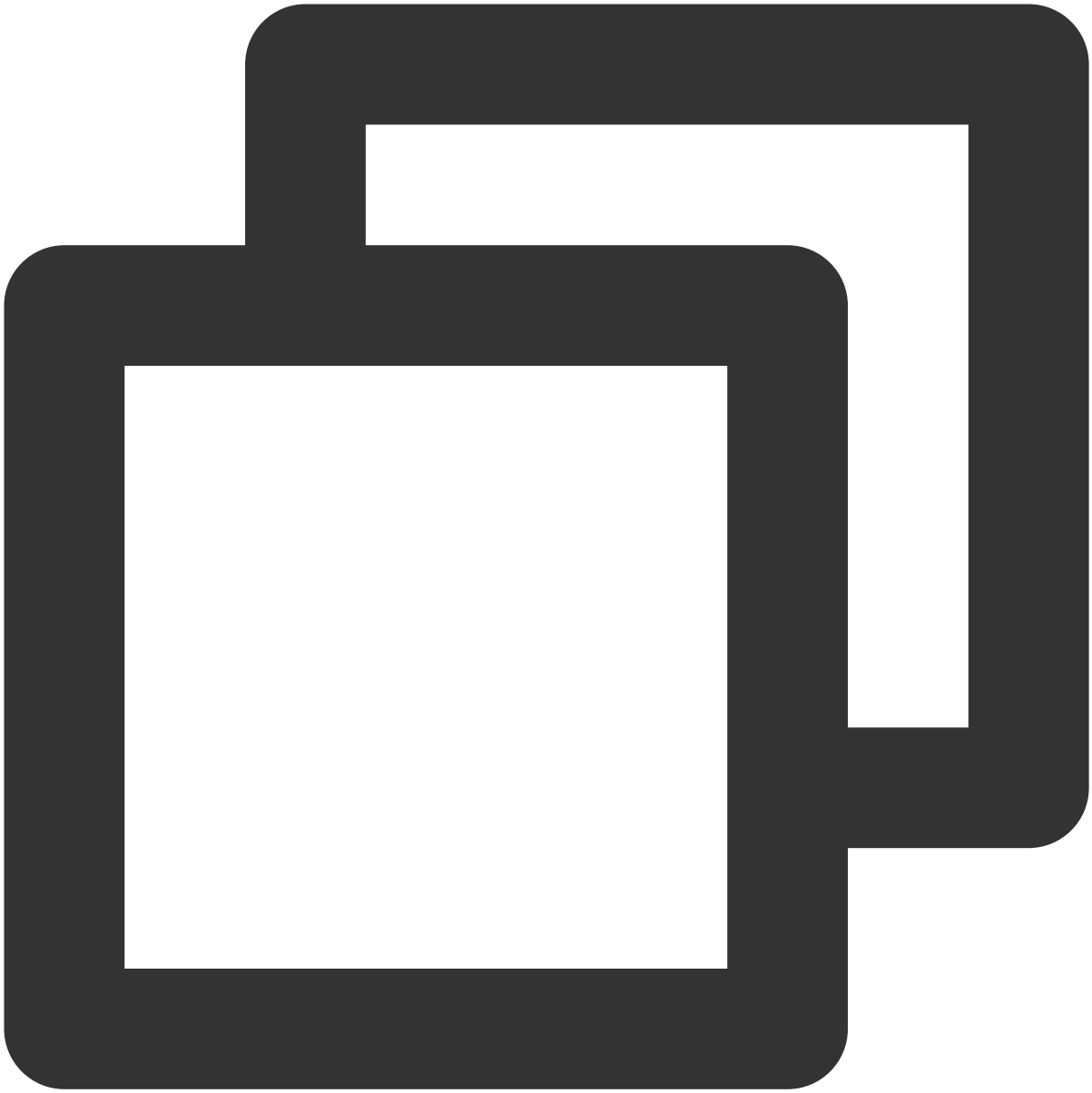
```
/*
* @param: { What?: WdGoToItem, Which?: WdGoToDirection.wdGoToAbsolute, Count?: nu
* WdGoToItem: {
*      wdGoToPage: 1,
*  }
*  WdGoToDirection: {
*      wdGoToAbsolute: 1
```

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```
*  }
* @return: number Return the target page number
*/
const app = demo.WordApplication()
const {Enum} = app
const page = await app.ActiveDocument.Selection.GoTo(Enum.WdGoToItem.wdGoToPage,
// Or
const page = await app.ActiveDocument.Selection.GoTo({
  What: Enum.WdGoToItem.wdGoToPage,
  Which: Enum.WdGoToDirection.wdGoToAbsolute,
  Count: 10
})
```

Set whether to show comments

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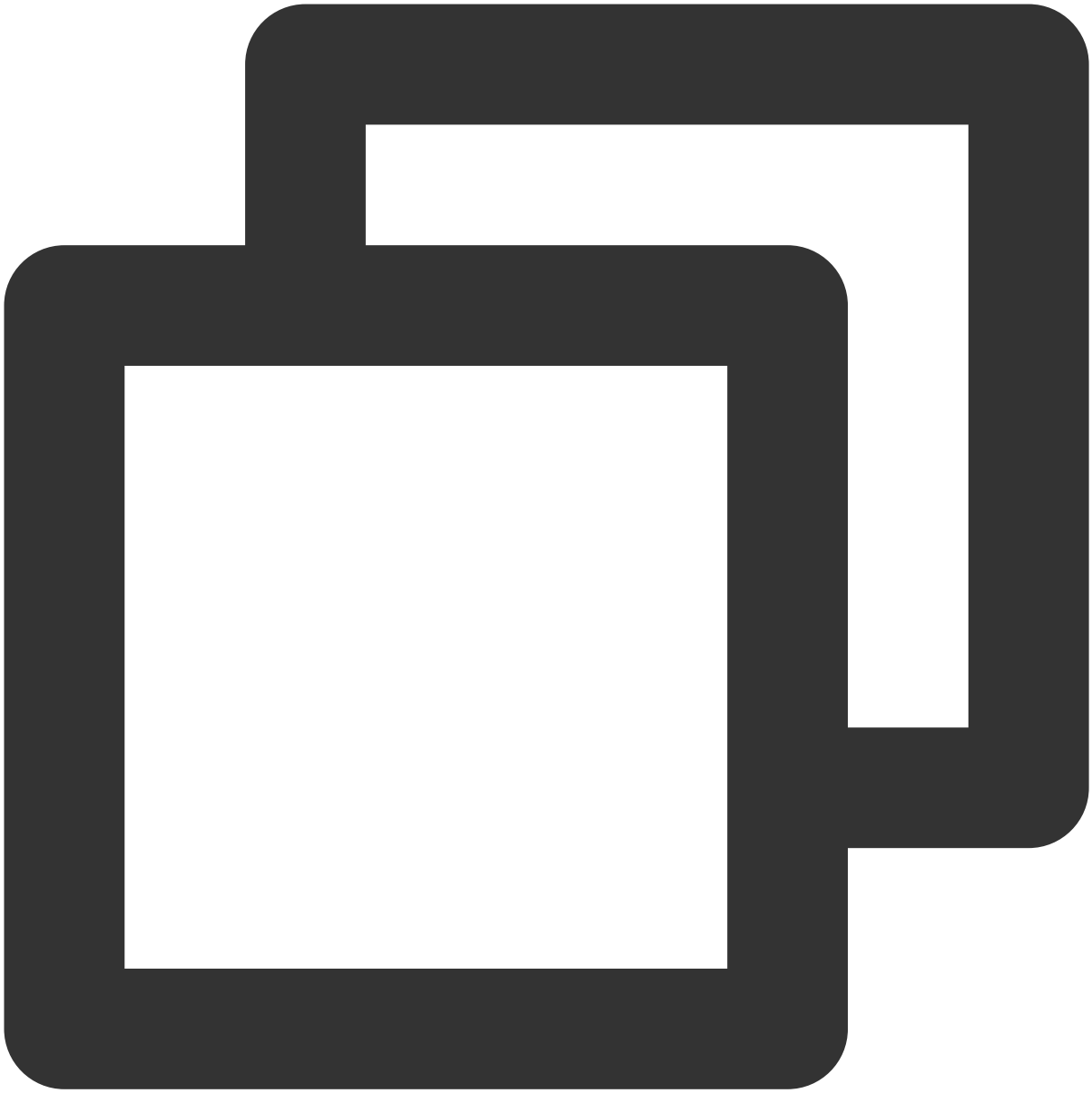


```
/*
* @param: bool
* Valid values: `true` (yes); `false` (no).
*/

// Hide comments.
demo.WordApplication().ActiveDocument.ActiveWindow.View.ShowComments = false
```

Set whether to show the table of contents

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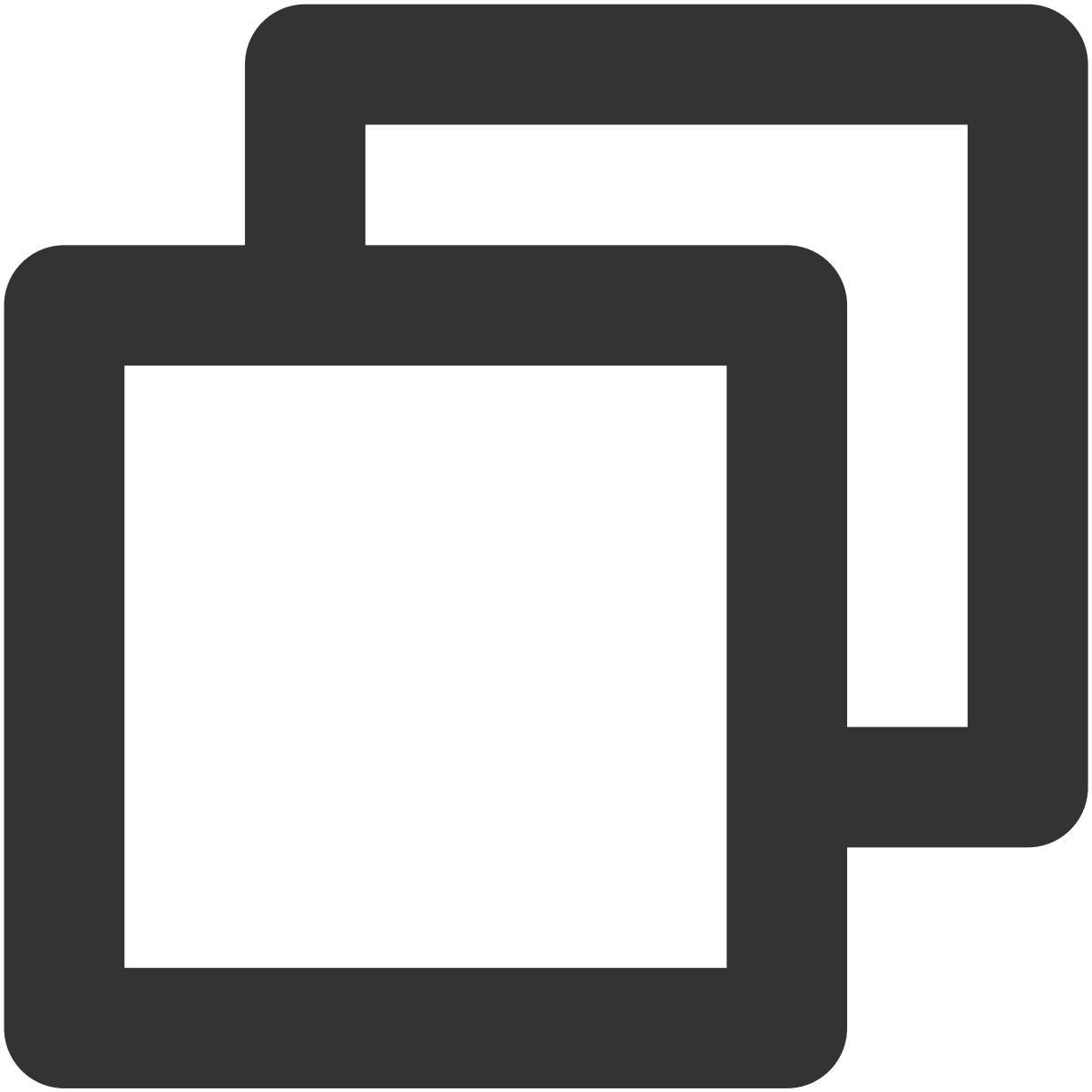


```
/*
* @param: bool
* Valid values: `true` (yes); `false` (no).
*/

// Hide the table of contents.
demo.WordApplication().ActiveDocument.ActiveWindow.DocumentMap = false
```

Zoom the view

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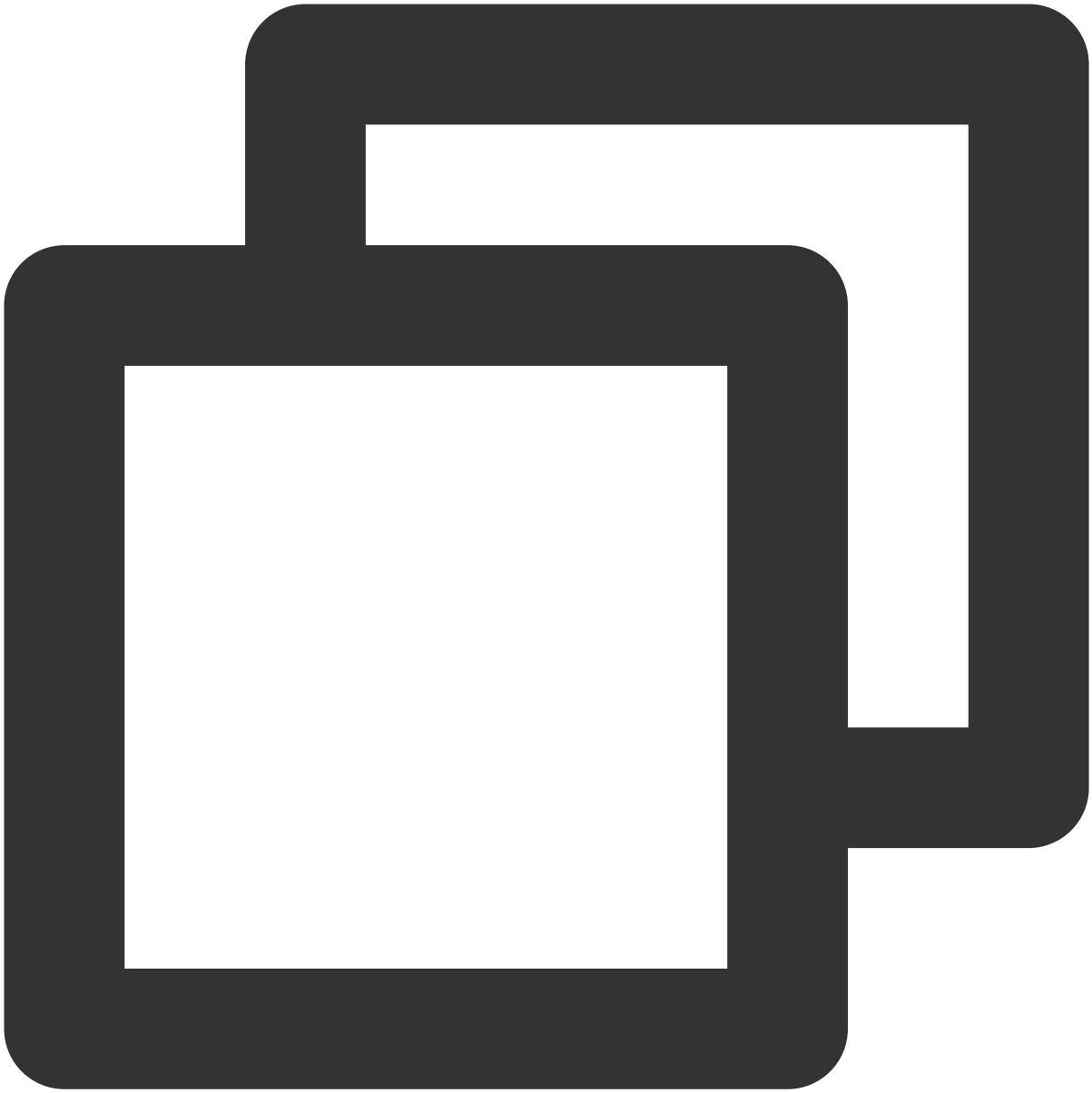
```
/*
* @return: number
*/
await demo.WordApplication().ActiveDocument.ActiveWindow.View.Zoom.Percentage  //

/*
* @param : 50 <= number <= 300 (The zoom level is between 50% and 300%.)
*/
demo.WordApplication().ActiveDocument.ActiveWindow.View.Zoom.Percentage = 100  //
```

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Spreadsheet file

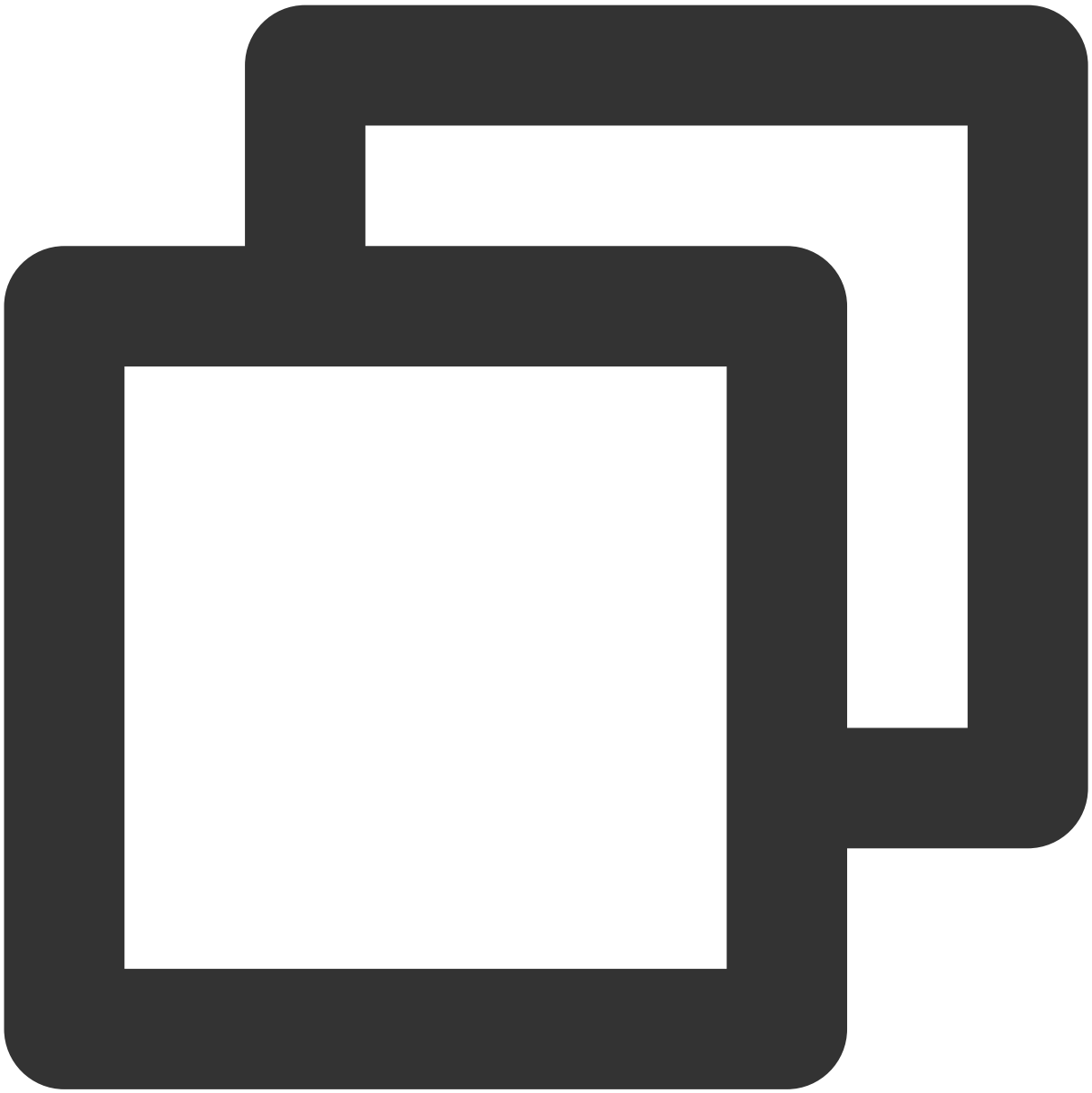
Get the names of all sheets



```
const app = demo.ExcelApplication()
const Names = []
const count = await app.Sheets.Count;
for(let index = 1; index <= count; index++) {
  Names.push(await app.Sheets.Item(index).Name);
}
console.log(Names)
```

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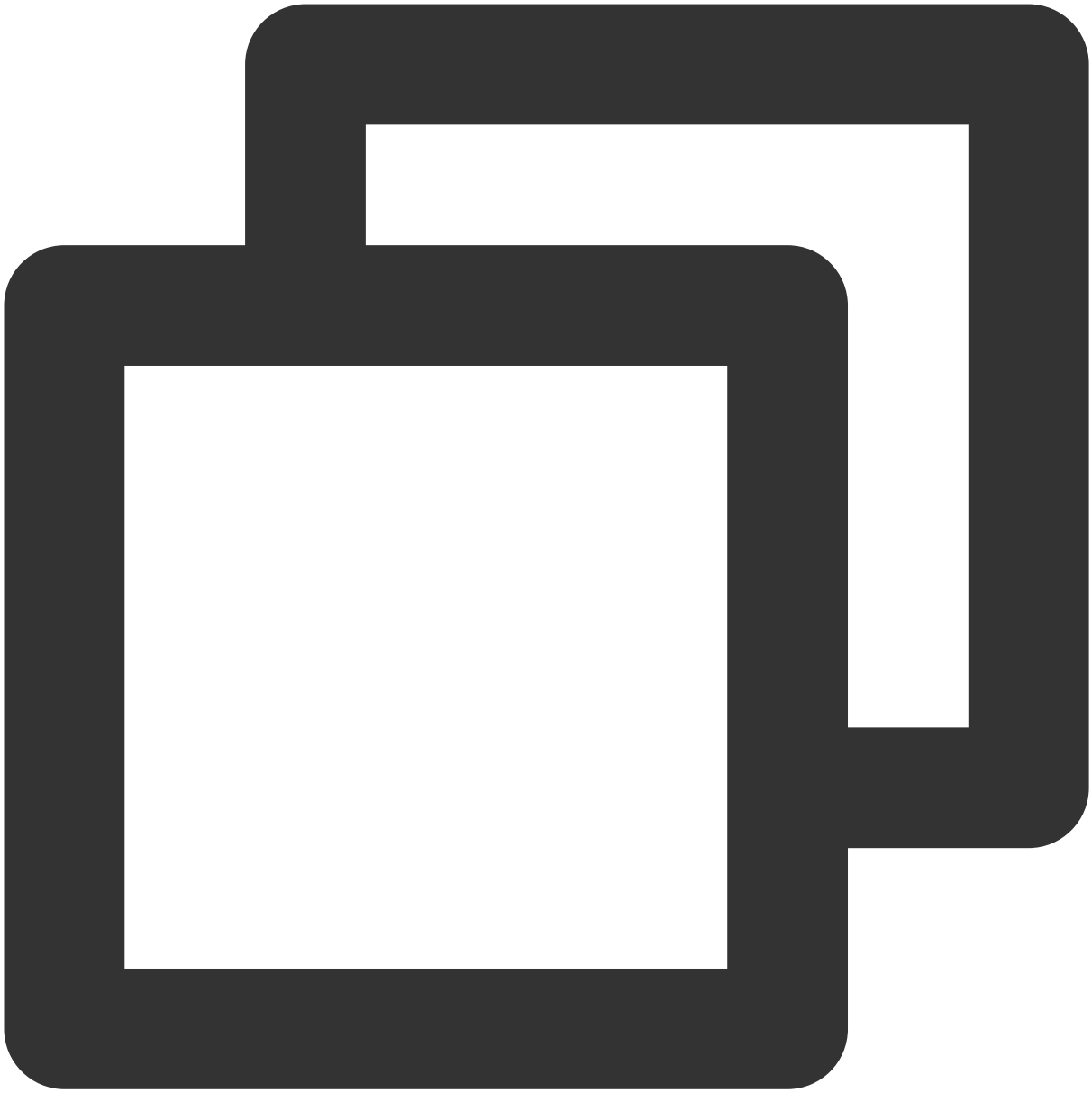
Get the name of the current sheet



```
const app = demo.ExcelApplication()
const name = await app.ActiveSheet.Name
```

Switch to the specified sheet

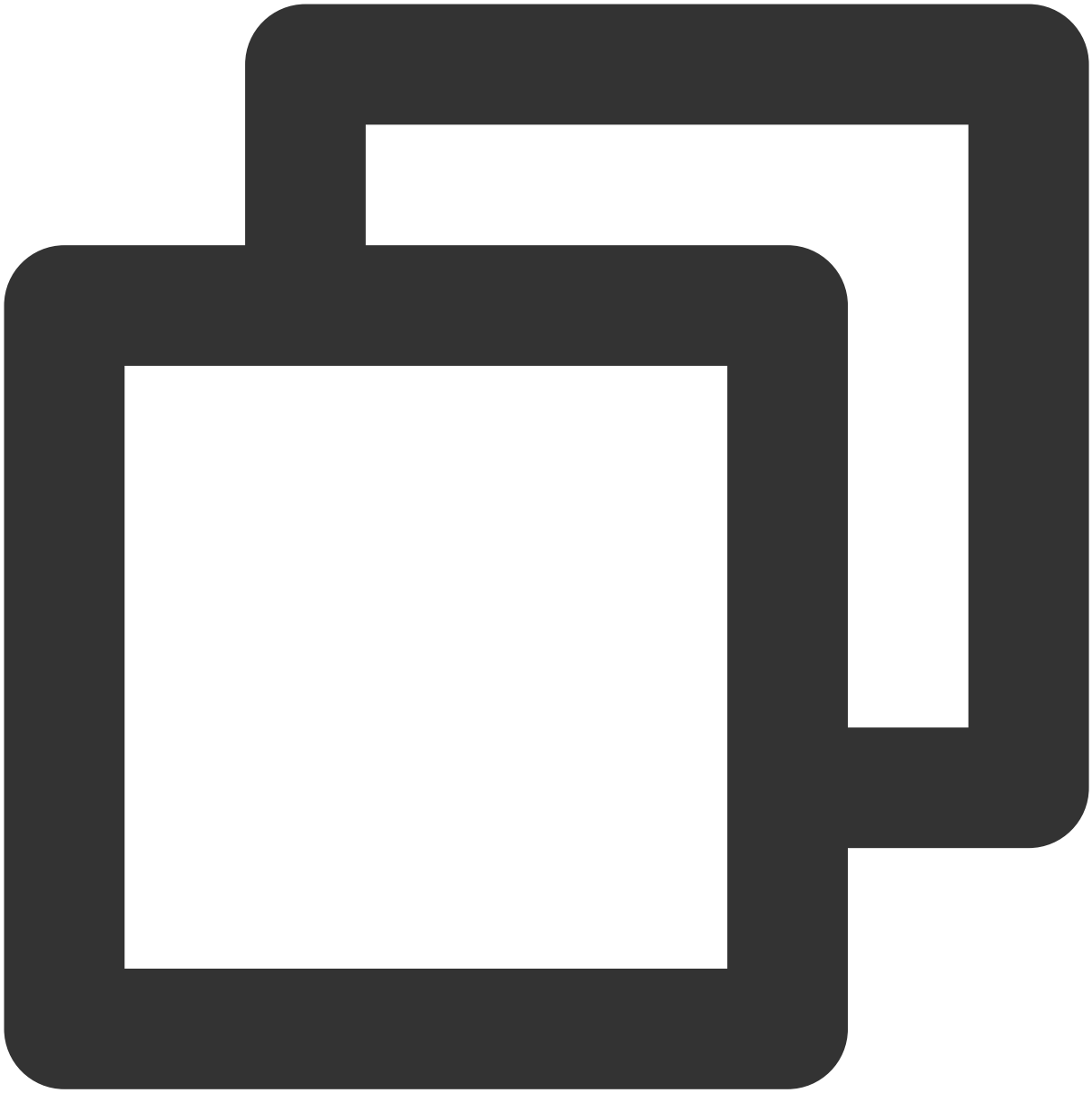
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```
const app = demo.ExcelApplication()
const sheetIndex = 1 // Sheet number, which starts from 1.
app.Sheets.Item(sheetIndex).Activate() // Switch the sheet.
```

Zoom the view

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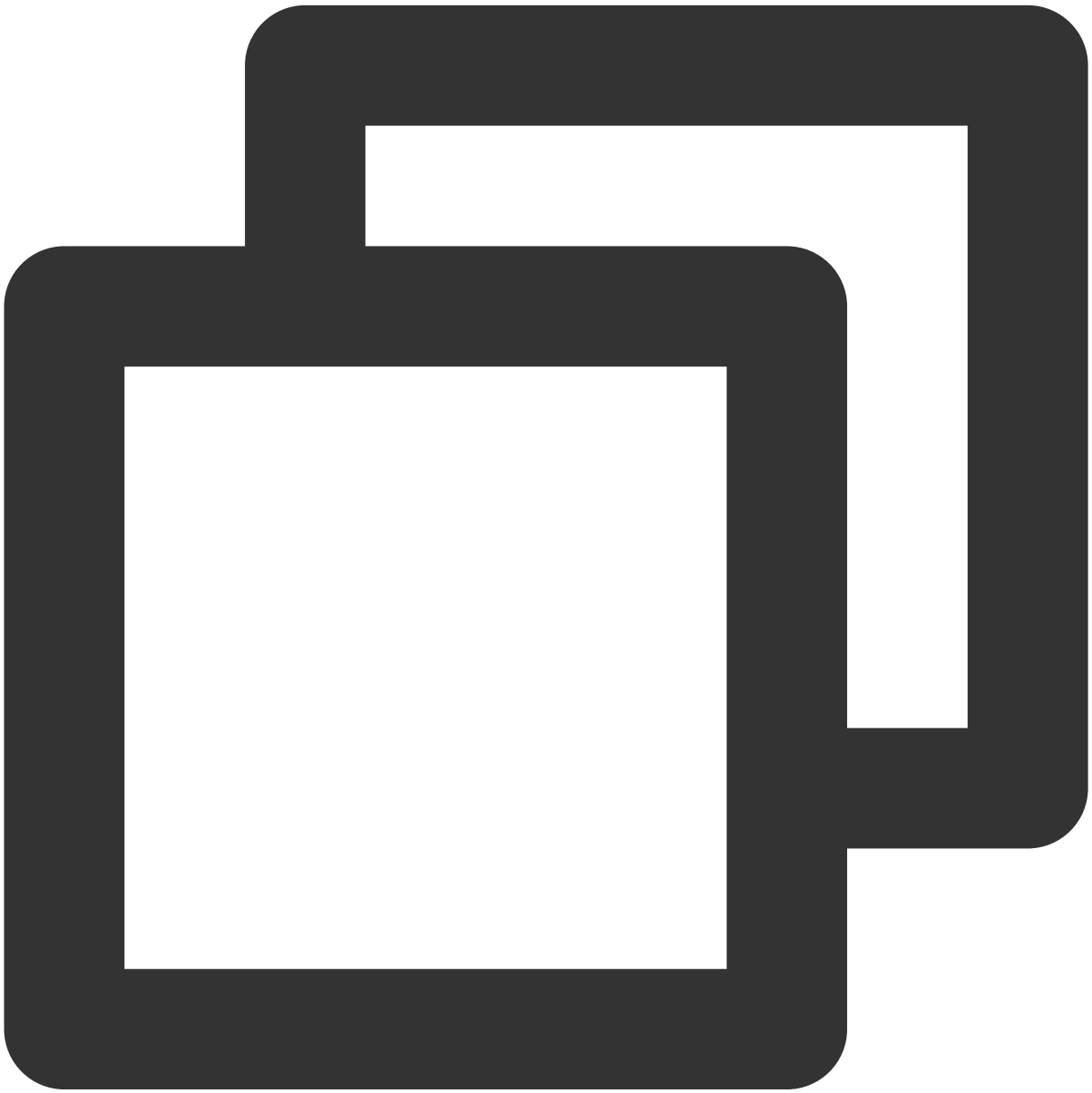


```
/*
* @return: number
*/
await demo.ExcelApplication().ActiveWorkbook.ActiveSheetView.Zoom     // Read the
/*
* @param : 10 <= number <= 500 (The zoom level is between 10% and 500%.)
*/
demo.ExcelApplication().ActiveWorkbook.ActiveSheetView.Zoom = 100     // Set the
```

Presentation file

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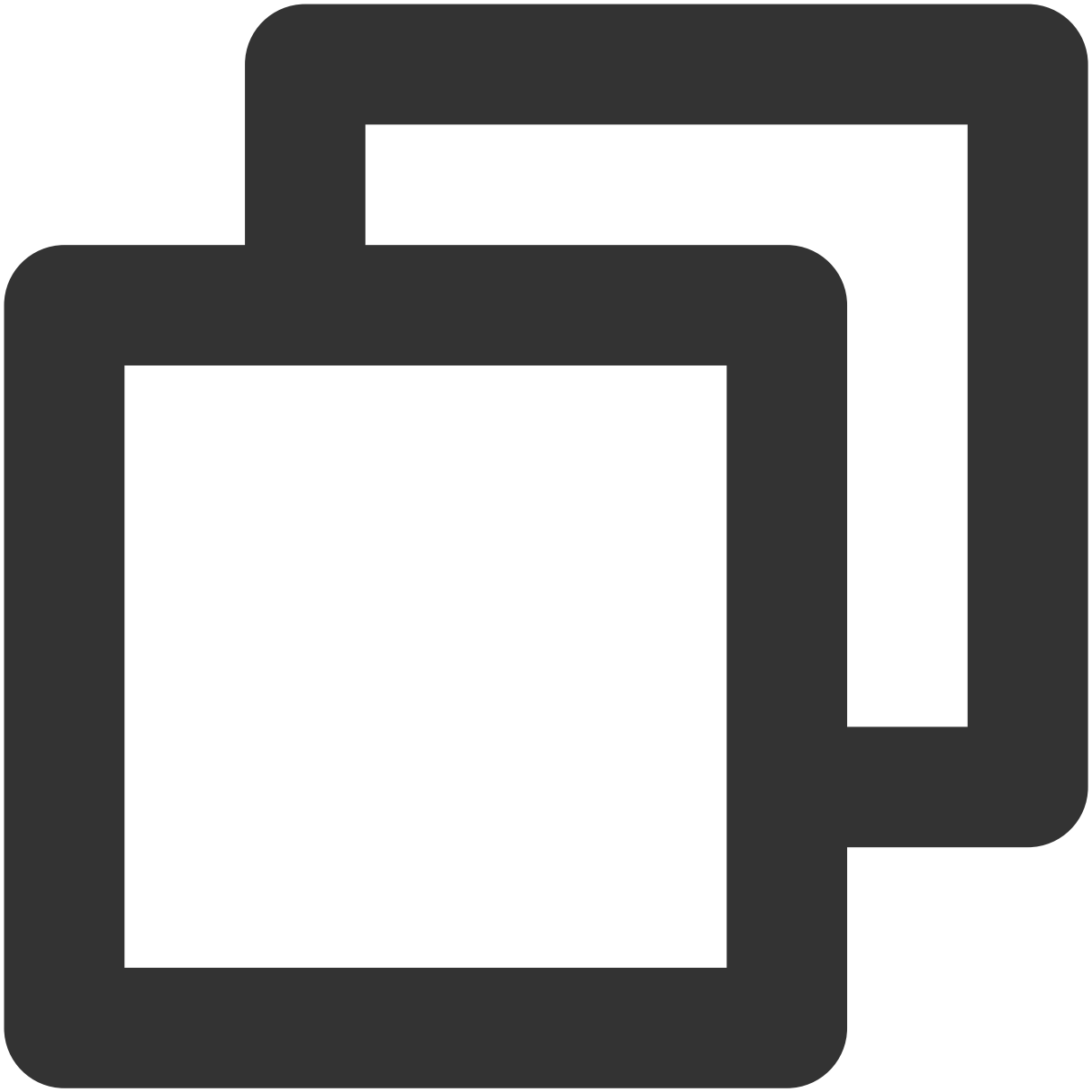
Get the total number of pages



```
/*
* @return: number
*/
let totalPages = await demo.PPTApplication().ActivePresentation.Slides.Count
```

Get the current page

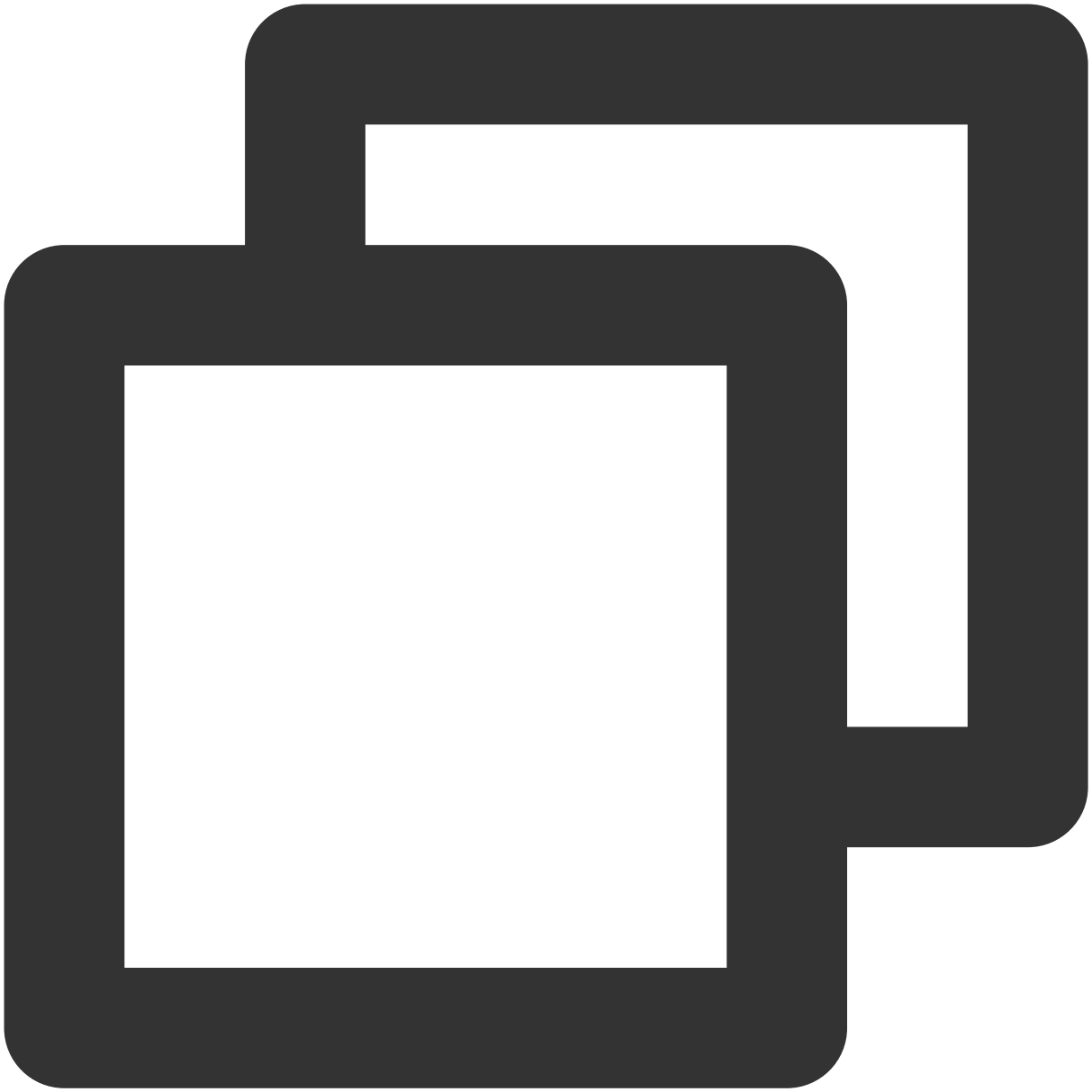
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```
/*
* @return: number
*/
let totalPages = await demo.PPTApplication().ActivePresentation.SlideShowWindow.V
```

Go to the specified page

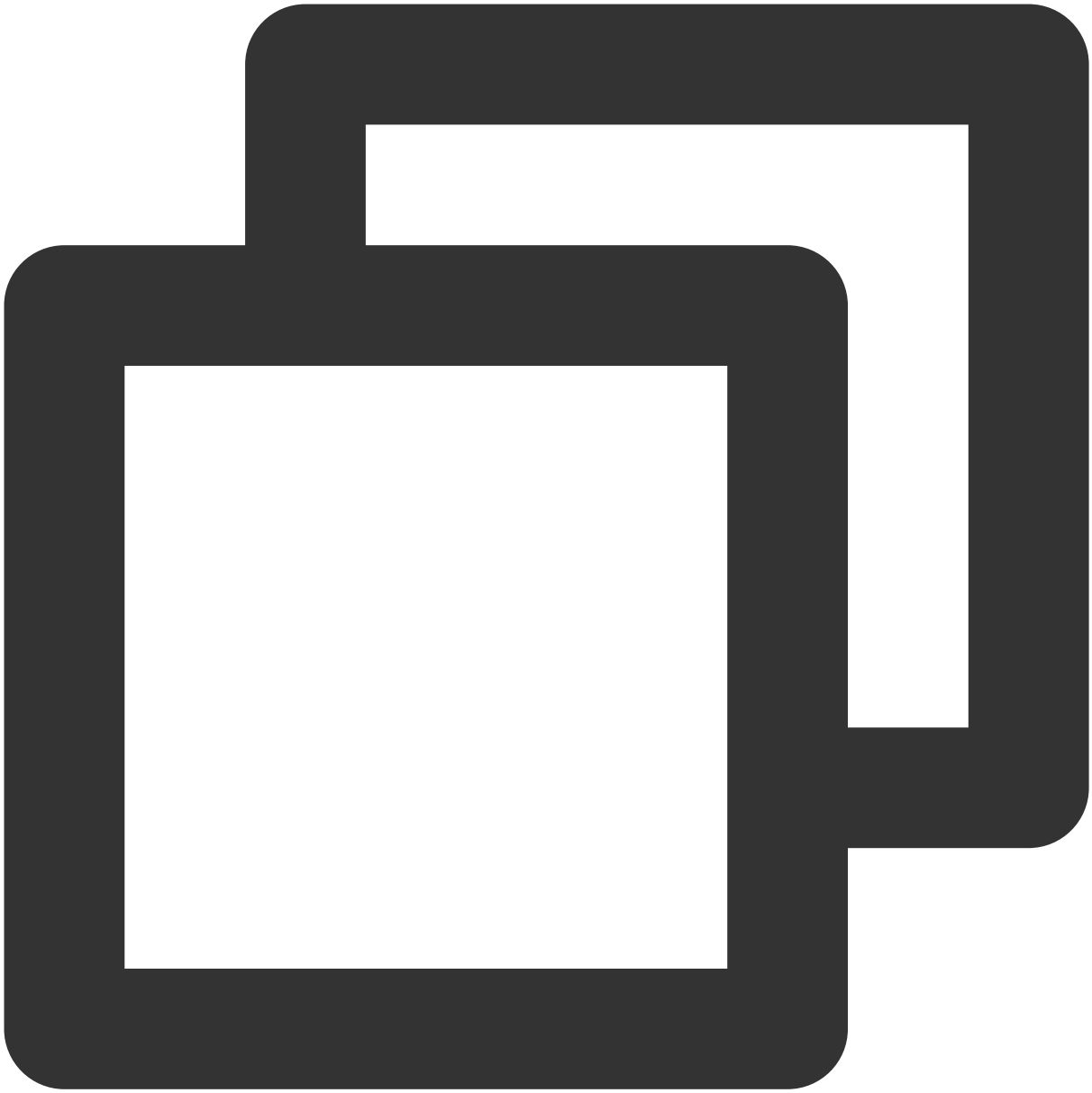
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```
/*
* @param: number
*/
await demo.PPTApplication().ActivePresentation.SlideShowWindow.View.GotoSlide(3)
```

Start a slide show

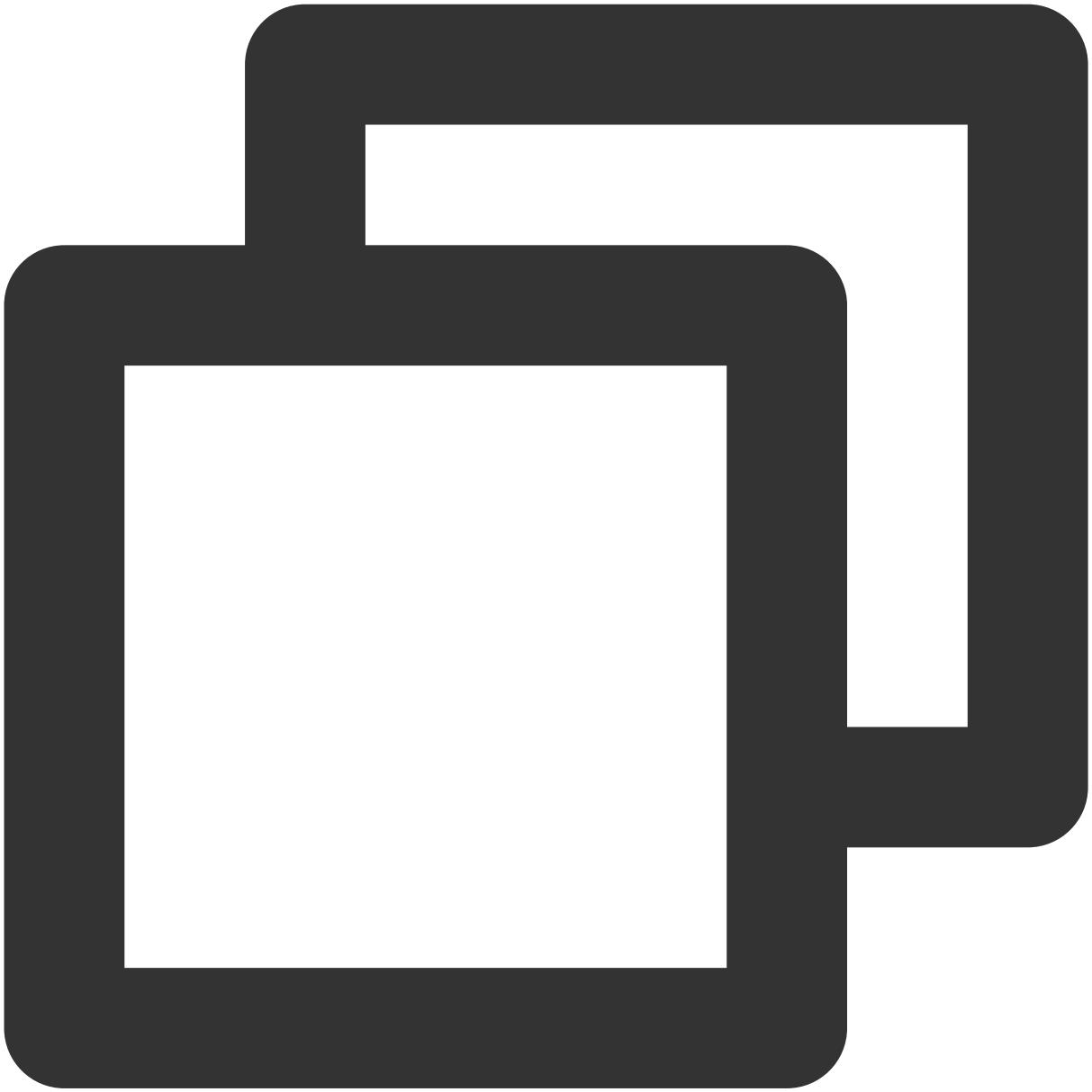
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```
await demo.PPTApplication().ActivePresentation.SlideShowSettings.Run()
```

Exit the slide show

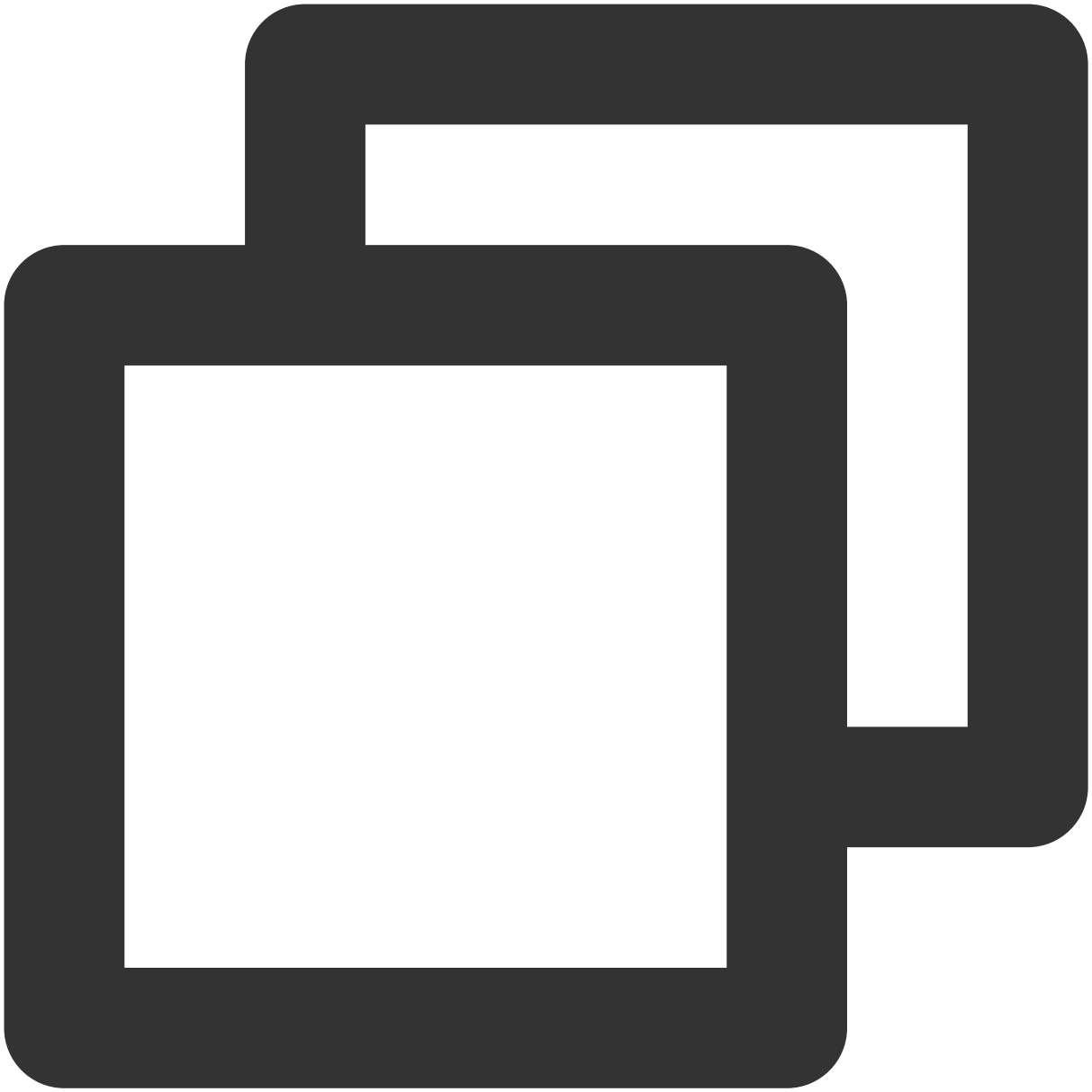
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```
await demo.PPTApplication().ActivePresentation.SlideShowWindow.View.Exit()
```

Play the next animation

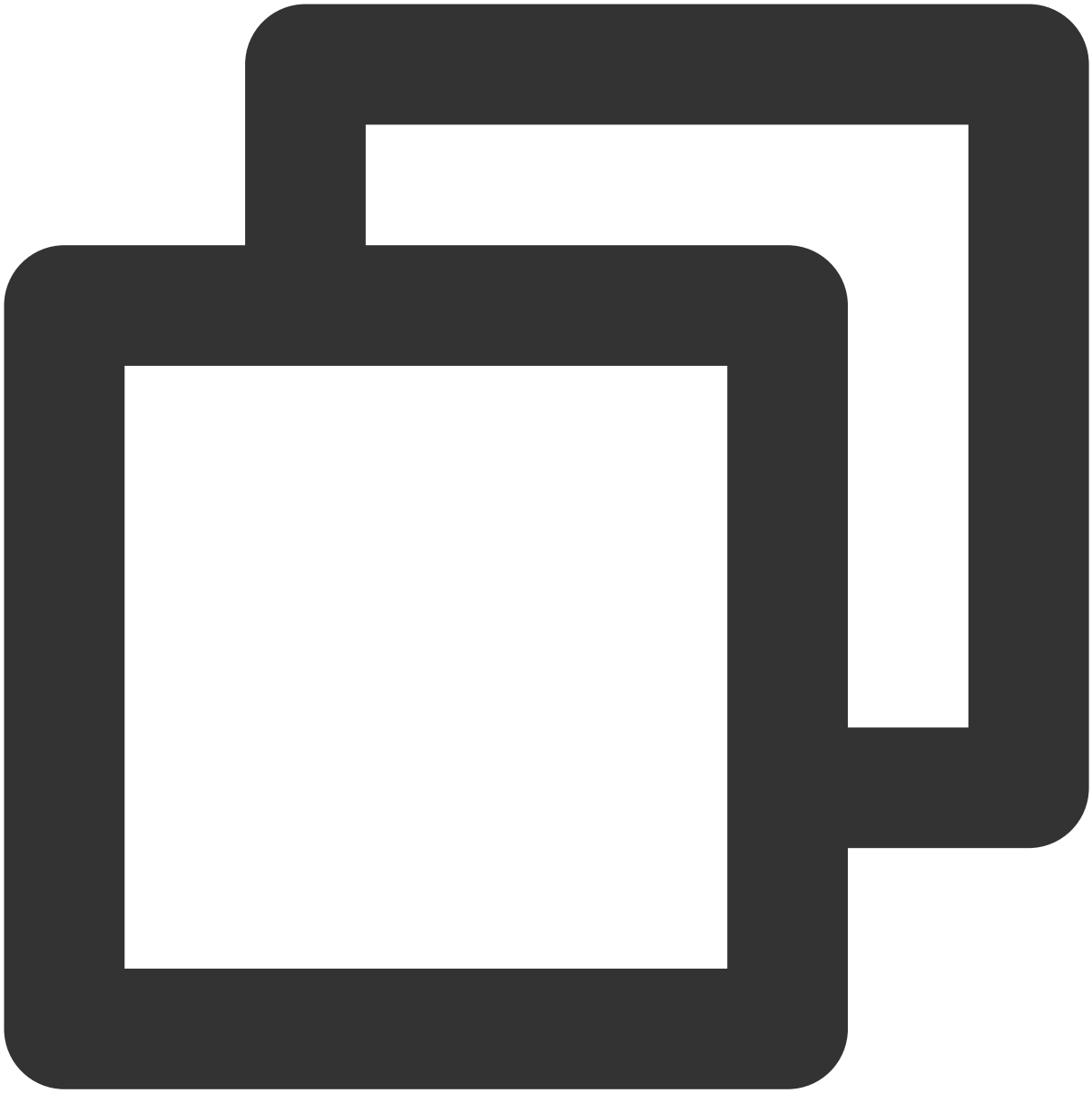
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```
await demo.PPTApplication().ActivePresentation.SlideShowWindow.View.GotoNextClick
```

Play the previous animation

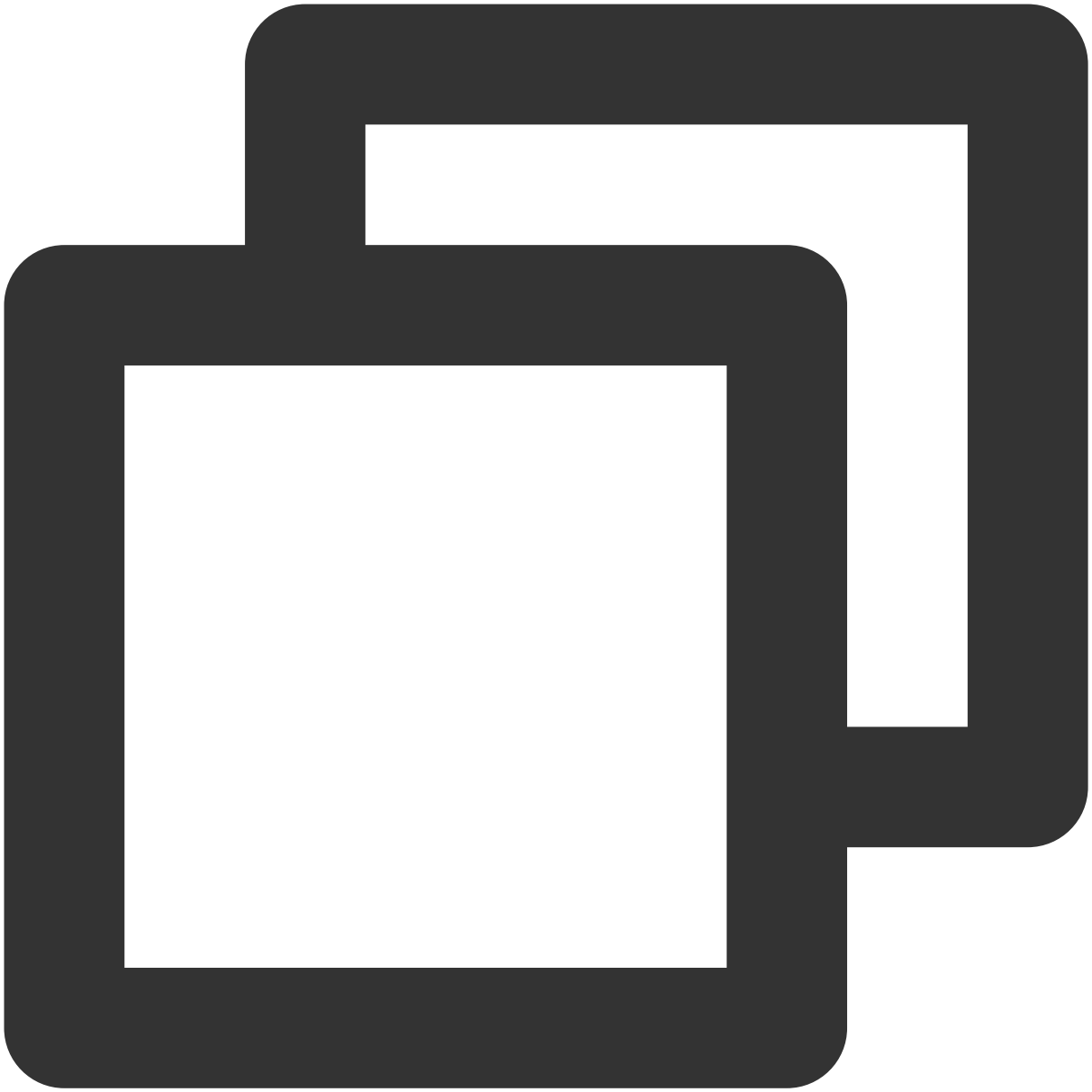
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```
await demo.PPTApplication().ActivePresentation.SlideShowWindow.View.GotoPreClick(
```

Get the play status

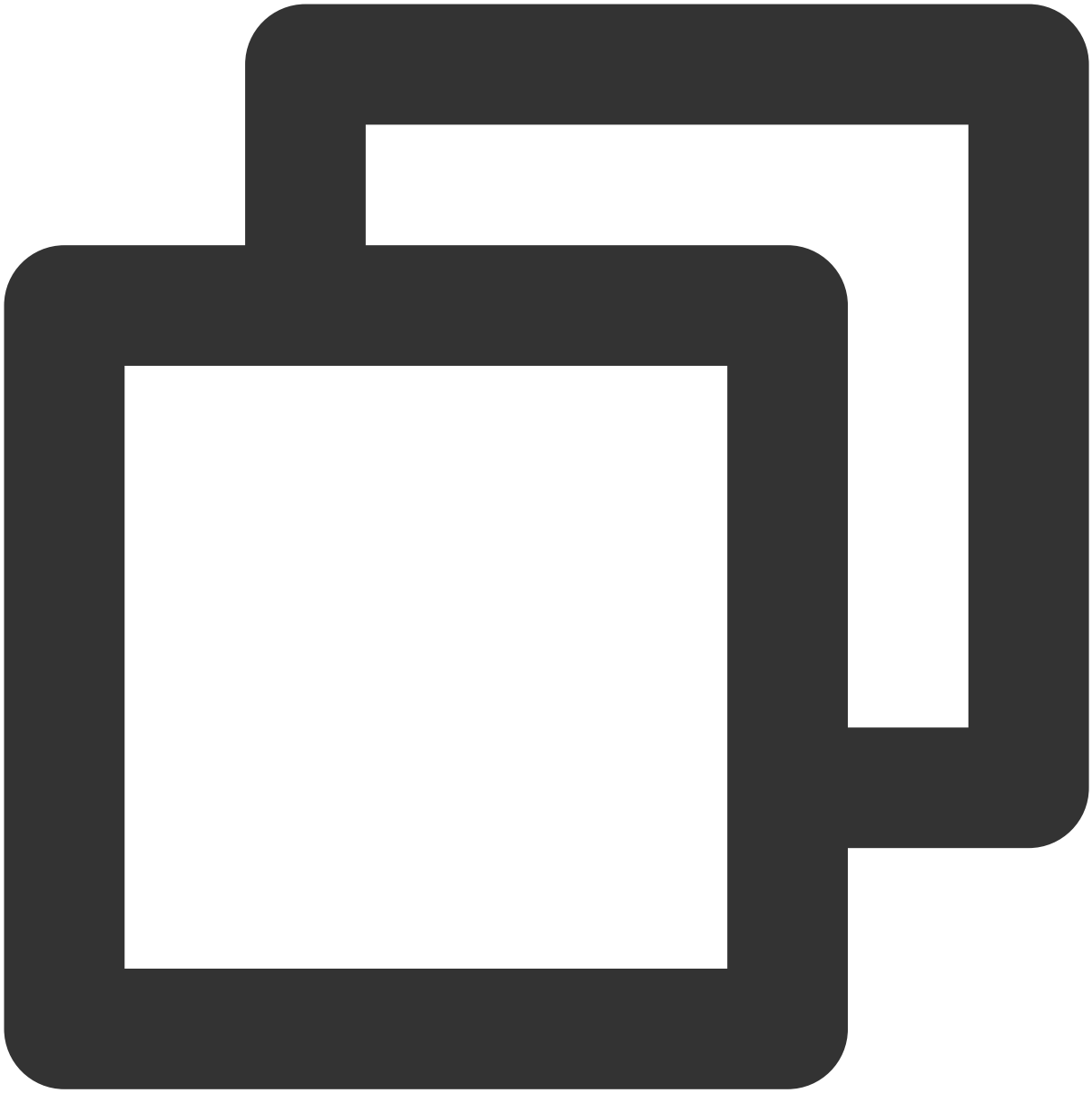
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```
/*
* @return: string ('preview' | 'play')
*/
let currentState = await demo.PPTApplication().ActivePresentation.SlideShowWindow
```

Zoom the view

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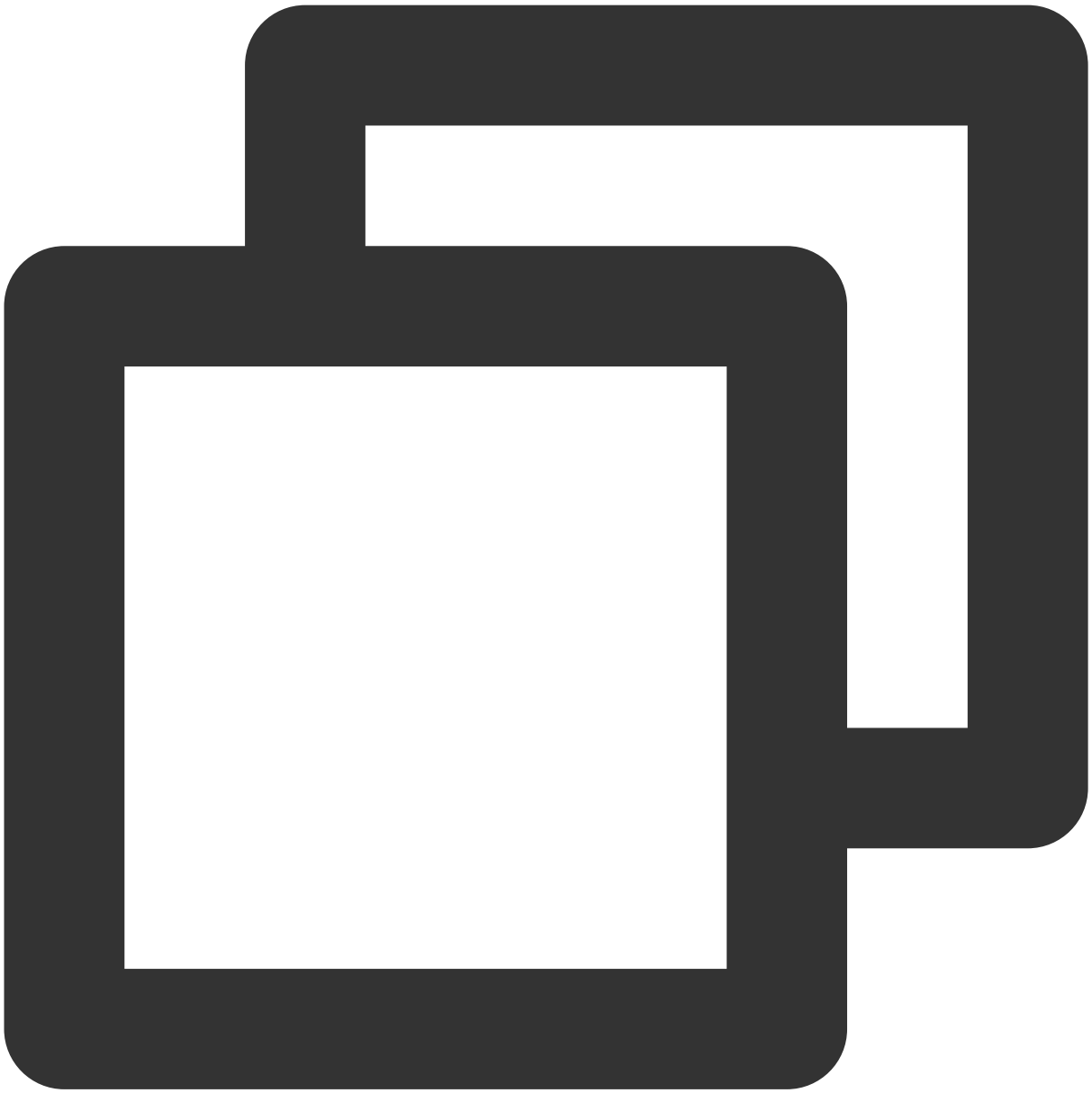


```
/*
* @return: number
*/
await demo.PPTApplication().ActivePresentation.View.Zoom      // Read the view zo
/*
* @param : 1 <= number <= 400 (The zoom level is between 1% and 400%.)
*/
demo.PPTApplication().ActivePresentation.View.Zoom = 100      // Set the view zoo
```

PDF file

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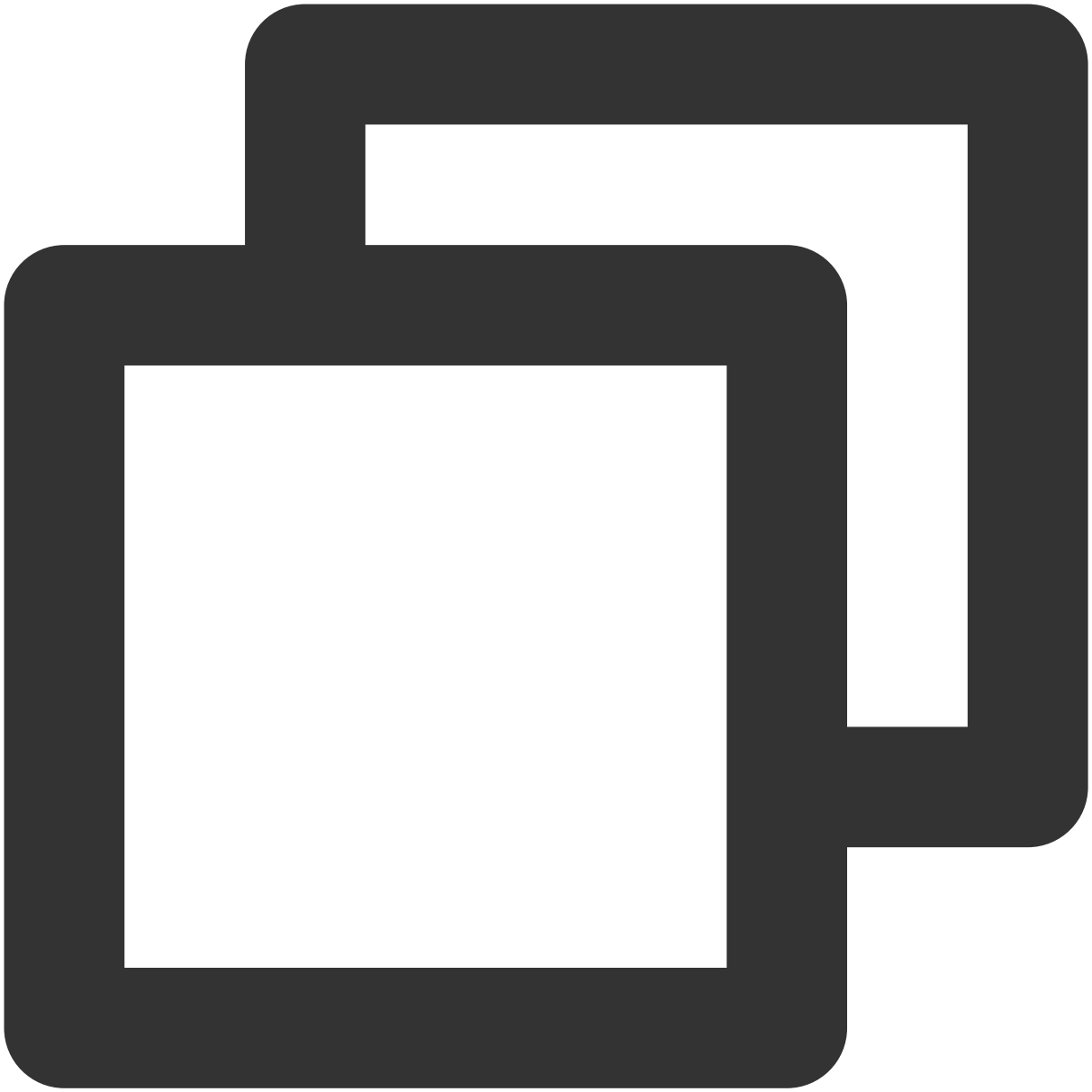
Get the total number of pages



```
/*
* @return: number
*/
let totalPages = await demo.PDFApplication().ActivePDF.PagesCount
```

Get the current page

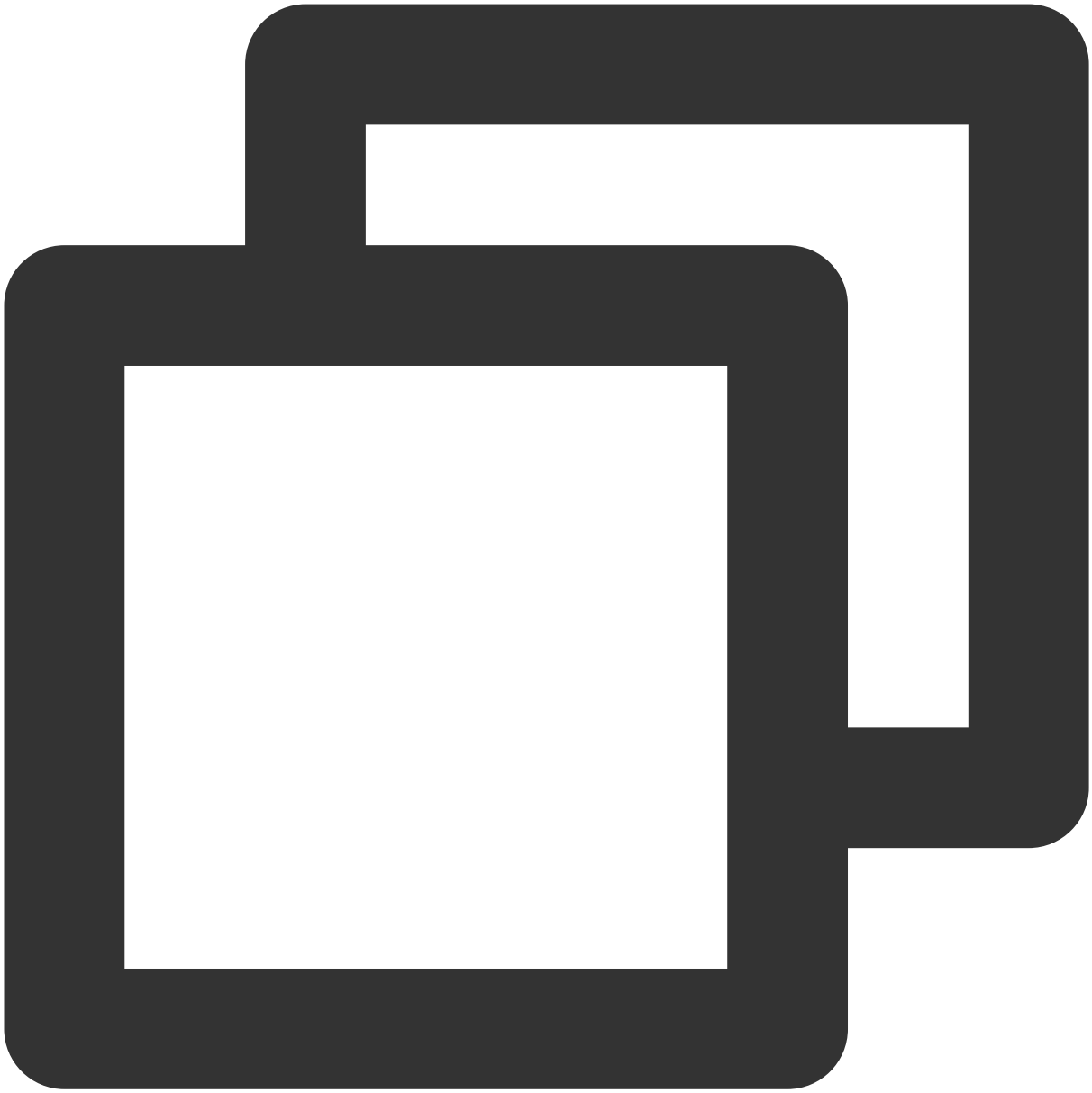
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```
/*
* @return: number
*/
let totalPages = await demo.PDFApplication().ActivePDF.CurrentPage
```

Go to the specified page

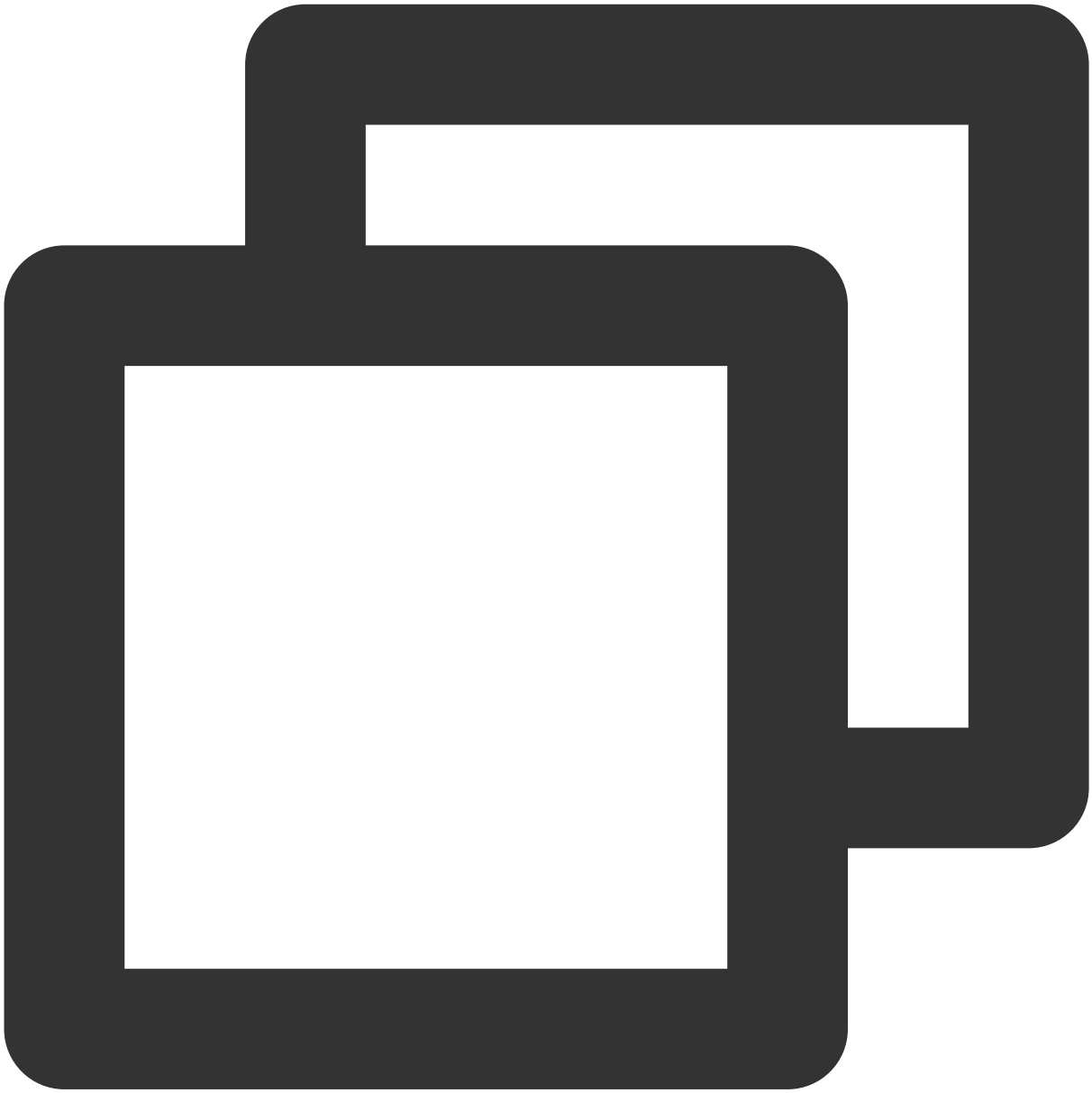
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```
/*
* @param : { PageNum: number }
*/
let PageNum = 10
await demo.PDFApplication().ActivePDF.JumpToPage({PageNum})
```

Set the page rendering mode

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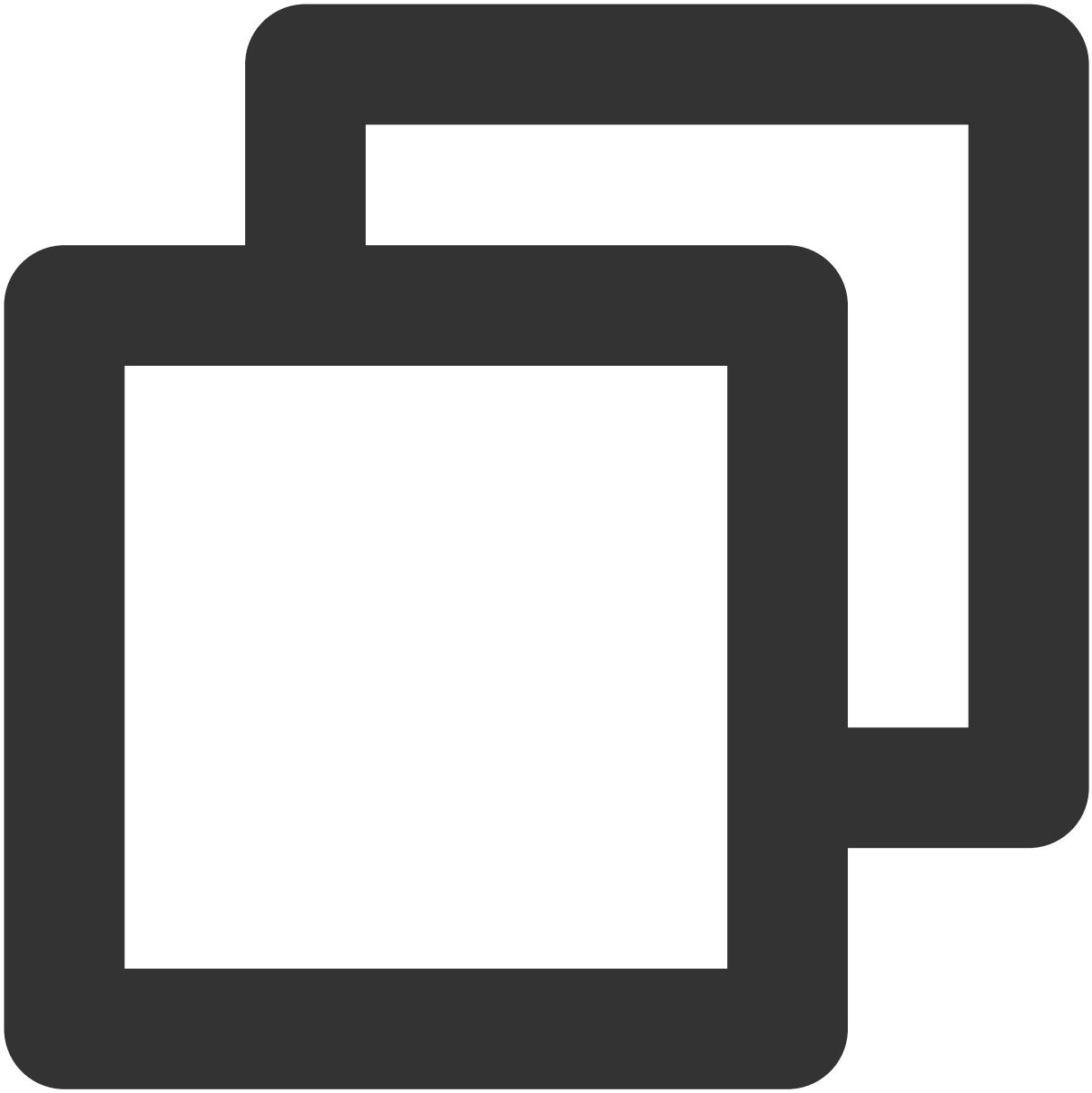


```
/*
* 1: Single-page mode
* 0: Multi-page mode
*/

demo.PDFApplication().ActivePDF.PageMode = 1    // Set the single-page mode.
```

Set whether to show the table of contents

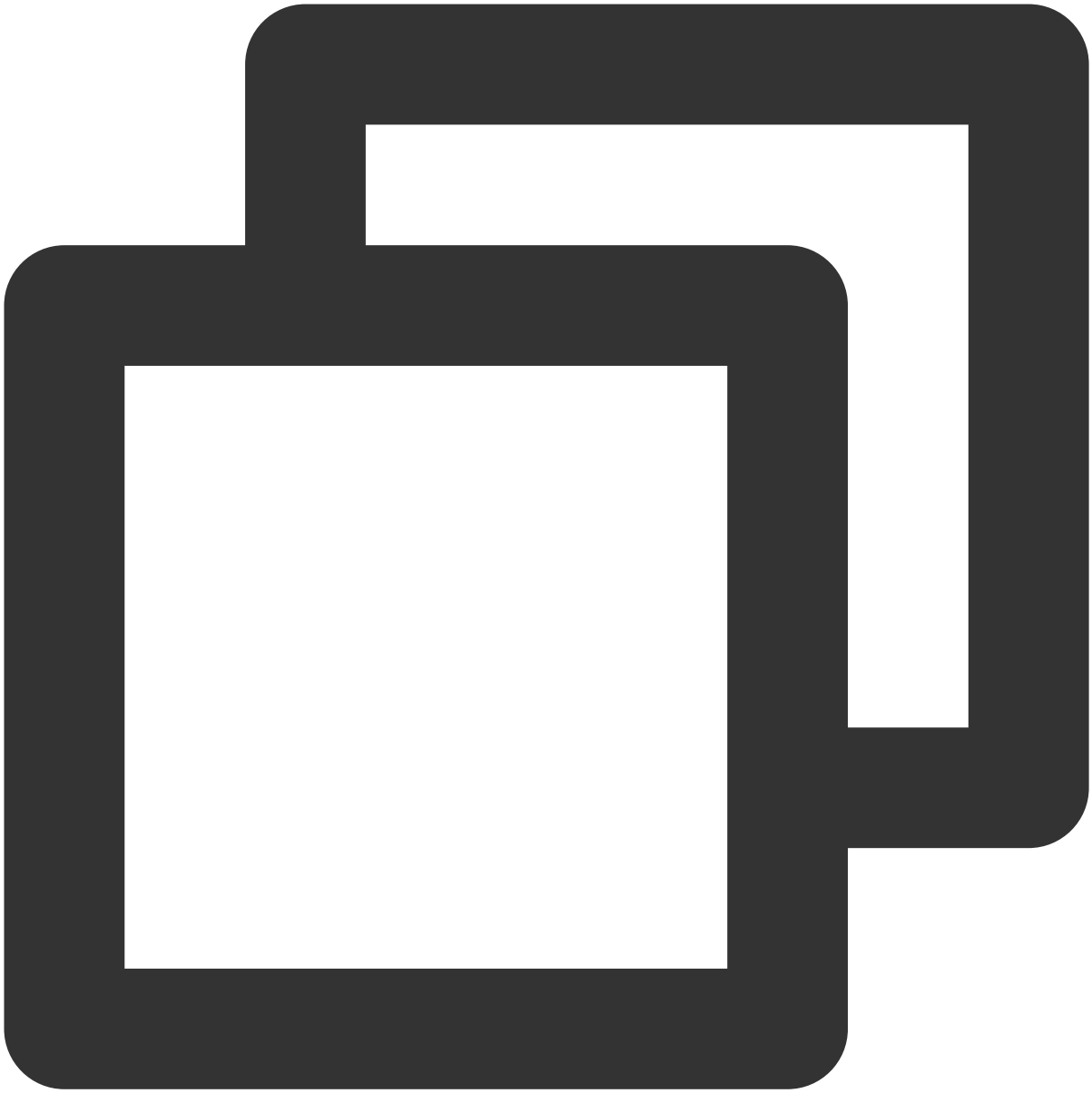
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```
/*
* true: Show the table of contents
* false: Hide the table of contents
*/
demo.PDFApplication().ActivePDF.DocumentMap = true    // Show the table of conten
```

Zoom the view

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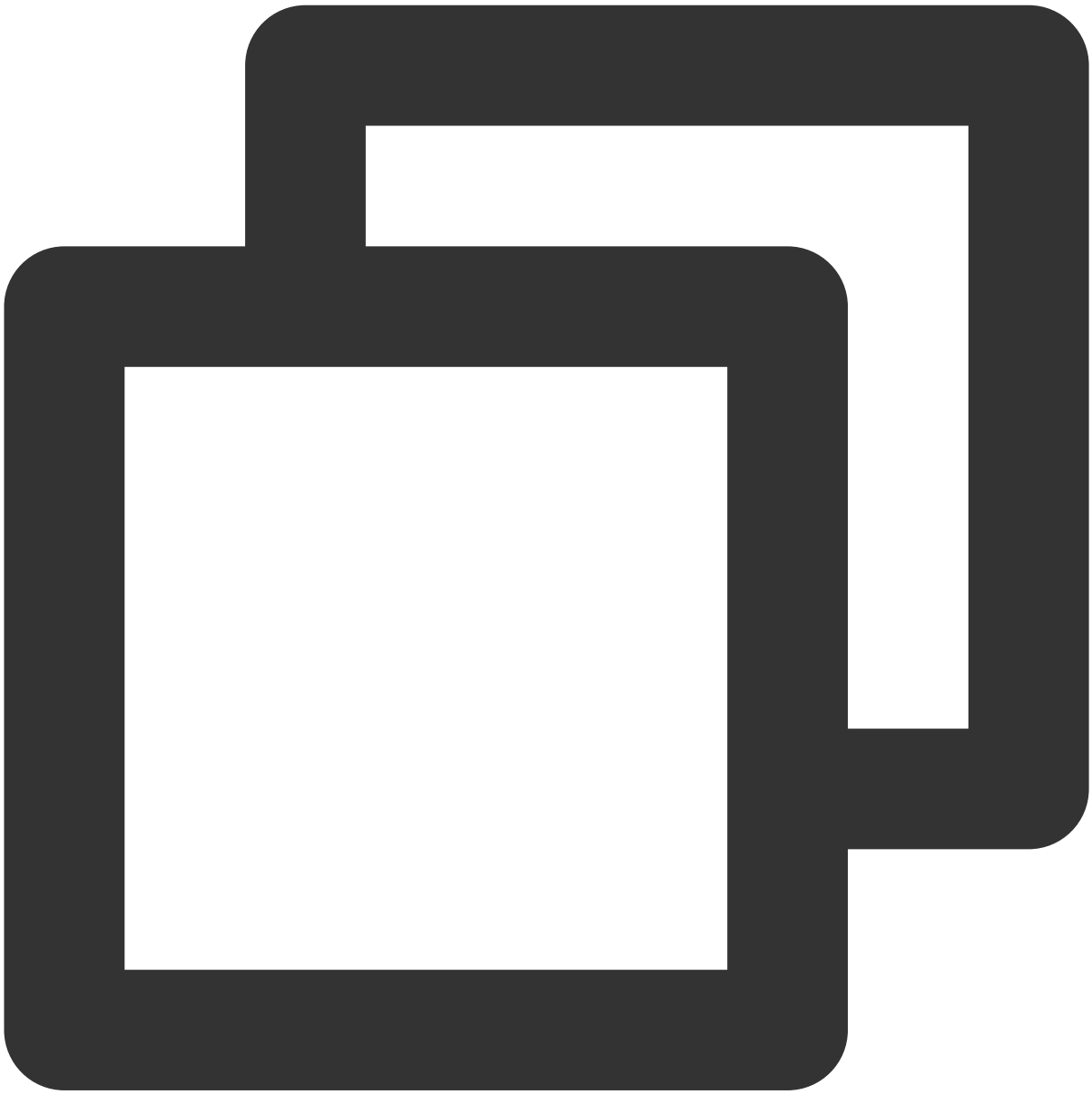


```
/*
* @return: number
*/
await demo.PDFApplication().ActivePDF.Zoom  // Read the view zoom level.
/*
* @param : 1 <= number <= 400 (The zoom level is between 1% and 400%.)
*/
demo.PDFApplication().ActivePDF.Zoom = 100  // Set the view zoom level.
```

Listen on events

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You can use the `on` method of the instance to listen on events.



```
demo.on('Event name', function(data) {
    // do something...
})
```

Event	Description
fileOpen	The file was opened successfully or failed to be opened.
error	An error occurred, and an error code was returned.

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fileStatus	The file was saved, and a `status` value was returned. Valid values: `0` (the file had no updates); `1` (the version was saved successfully); `2` (the file was empty and couldn't be saved); `3` (the space was full); `4` (the file was being saved); `5` (the file failed to be saved); `6` (the file updates were being saved; this status will be triggered when the file content is modified); `7` (the change to the file content was saved successfully).

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Release Notes

Last updated：2024-02-19 16:02:58

v0.2.1

Download address: sdk-v0.2.1.zip

Supported COS v5 signature authentication

Supported token authentication and refresh

Supported listening on the video playback status in PPT files

v0.1.1

Download address: sdk-v0.1.1.zip

Supported online preview

Supported COS v4 signature authentication

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File Processing
Hash Calculation
Sync Request for Hash Calculation

Last updated：2024-02-19 16:02:57

Overview

This API uses a sync GET request to perform hash calculation and return a calculated hash value in real time.

Billing Description

Calling the API will incur hash calculation fees and COS read request fees as described in Request Fees.
If the files are stored in COS STANDARD_IA storage class, calling the API will incur STANDARD_IA data retrieval fees as described in Data Retrieval Fees.
Processing is not supported for files stored in the ARCHIVE or DEEP ARCHIVE storage classes. To process these files, you first need to restore them as instructed in POST Object restore.

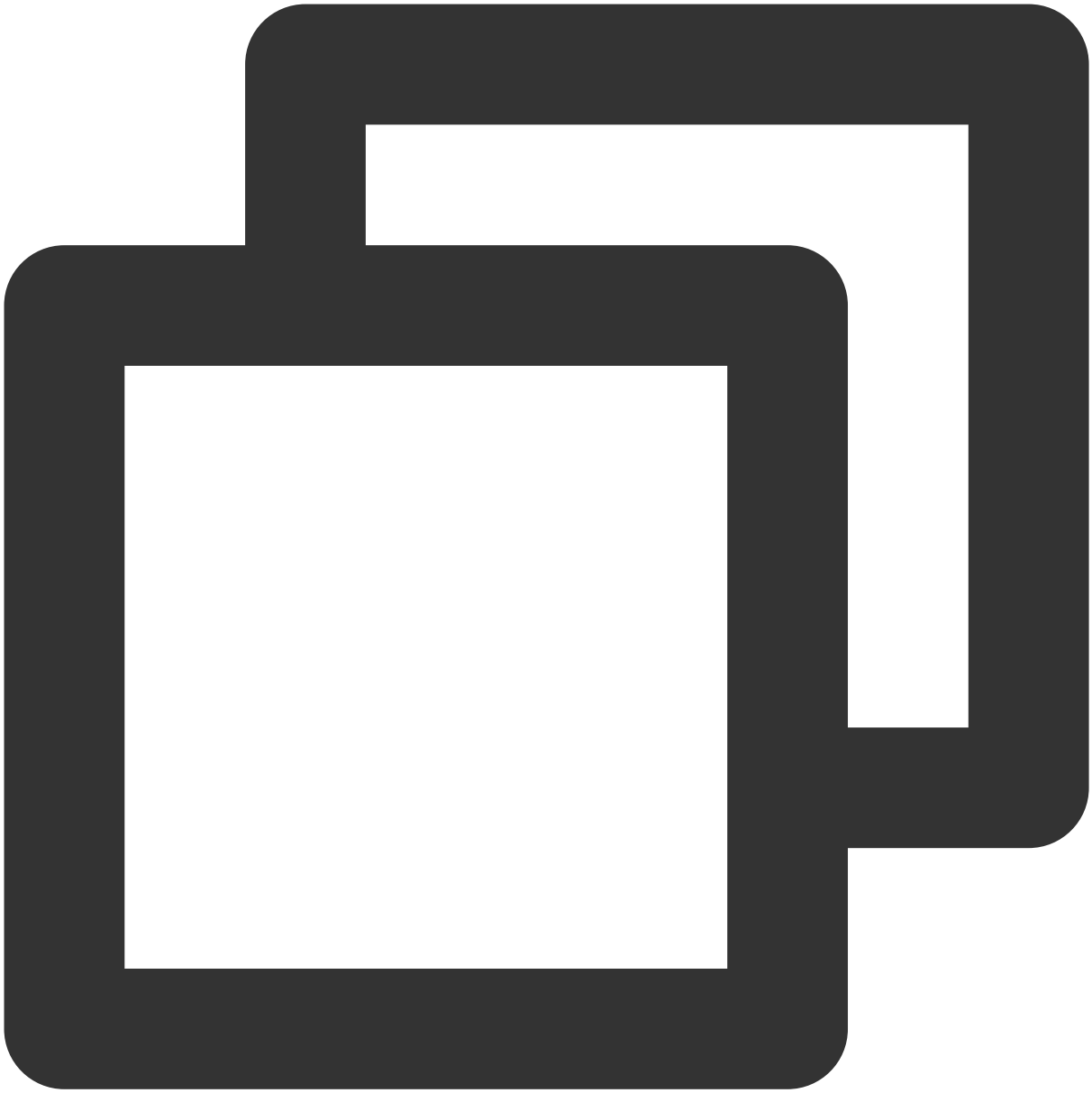
Restrictions

File size: Calculation on files that are less than 128 MB is supported. For files that are greater than 128 MB, use Async API for Hash Calculation.
Request timeout period: 10 seconds
Calling the API requires a signature. For more information, see Request Signature.
This API can be used in Beijing, Shanghai, Guangzhou, Chengdu, Hong Kong (China), Singapore, and Silicon Valley regions.

Request

Sample request

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```
GET /for-test.mp4?ci-process=filehash&type=md5 HTTP/1.1
Host: <BucketName-APPID>.cos.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses Common Request Headers.

Request parameters

The parameters are described as follows:

Node Name (Keyword)	Description	Type	Required
ci-process	Operation type. It is fixed at `filehash` for hash calculation.	String	Yes
type	Supported hash algorithm. Valid values: `md5`, `sha1`, `sha256`	String	Yes
addtoheader	Whether to automatically add the calculated hash value to the custom header in the file. Format: x-cos-meta-md5/sha1/sha256 Valid values: `true`, `false`. If this parameter is left empty, it is `false` by default.	String	No

Request body

This request does not have a request body.

Response

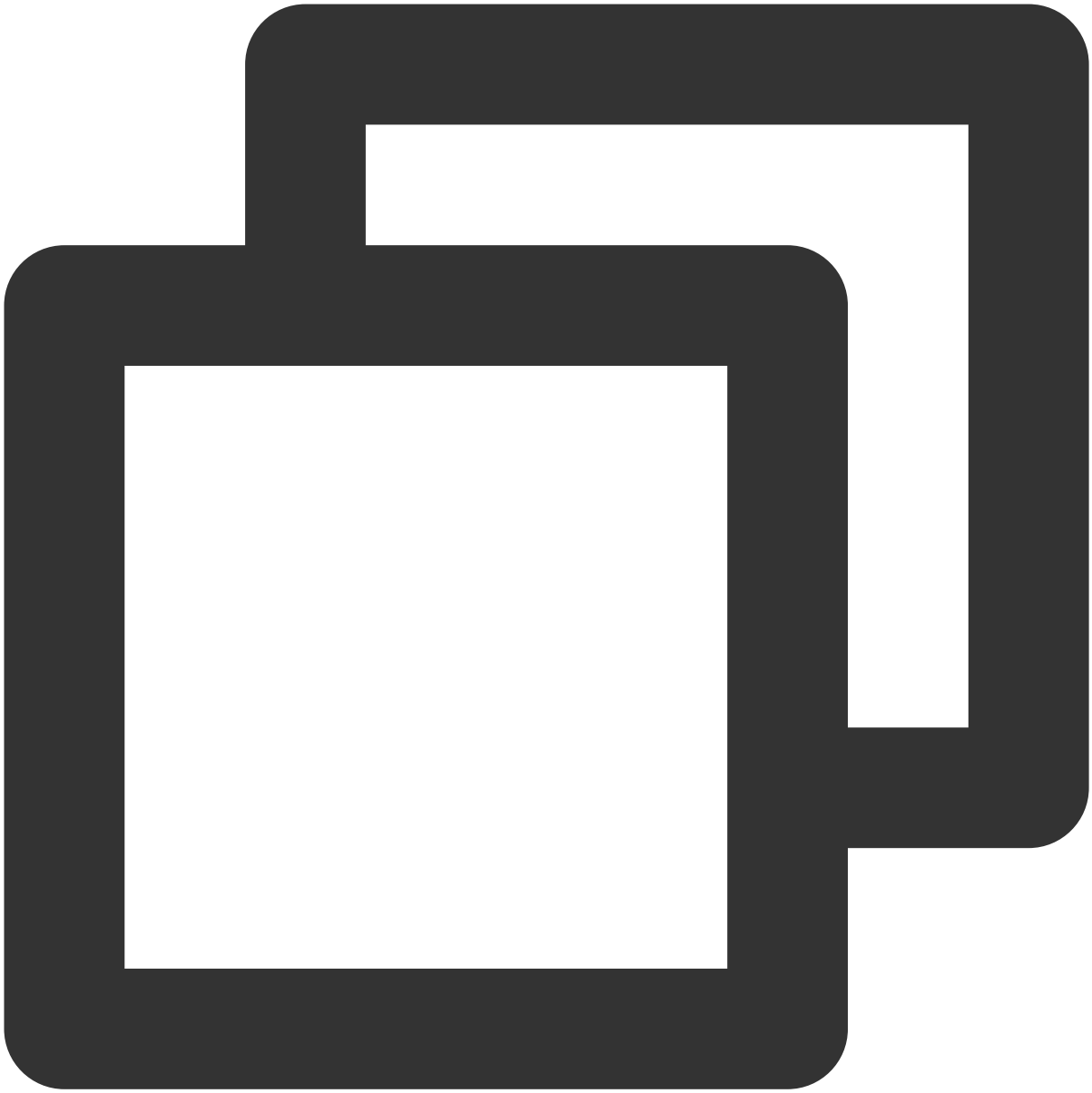
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <FileHashCodeResult>
        <MD5>0fe771ba515b0525552f59290a50c0ef</MD5>
        <FileSize>1048576</FileSize>
    </FileHashCodeResult>
    <Input>
        <Bucket>test-1234567890</Bucket>
        <Object>wg.txt</Object>
        <Region>ap-chongqing</Region>
    </Input>
</Response>
```

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The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
FileHashCodeResult	Response	File hash result	Container
Input	Response	Basic information of the input file	Container

`FileHashCodeResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
MD5	Response.FileHashCodeResult	This field is returned if `type` in the request is `md5`.	String
SHA1	Response.FileHashCodeResult	This field is returned if `type` in the request is `sha1`.	String
SHA256	Response.FileHashCodeResult	This field is returned if `type` in the request is `sha256`.	String
FileSize	Response.FileHashCodeResult	File size	Int

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Region of the bucket	String
Bucket	Response.JobsDetail.Input	Bucket where the input file resides	String
Object	Response.JobsDetail.Input	Name of the input file in the bucket	String

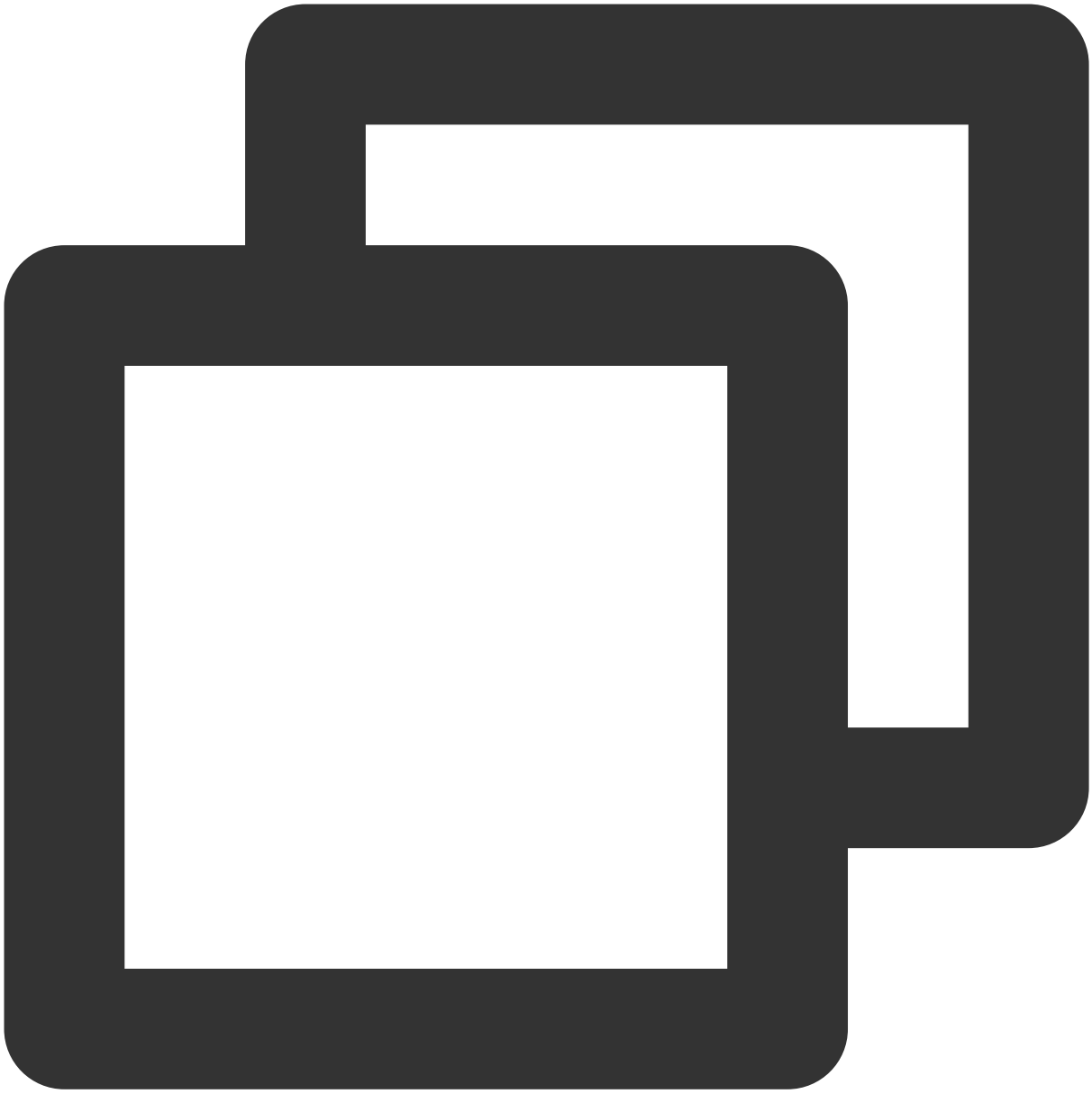
Error codes

There are no specific error messages for this request operation. For common error messages, see Error Codes.

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Examples

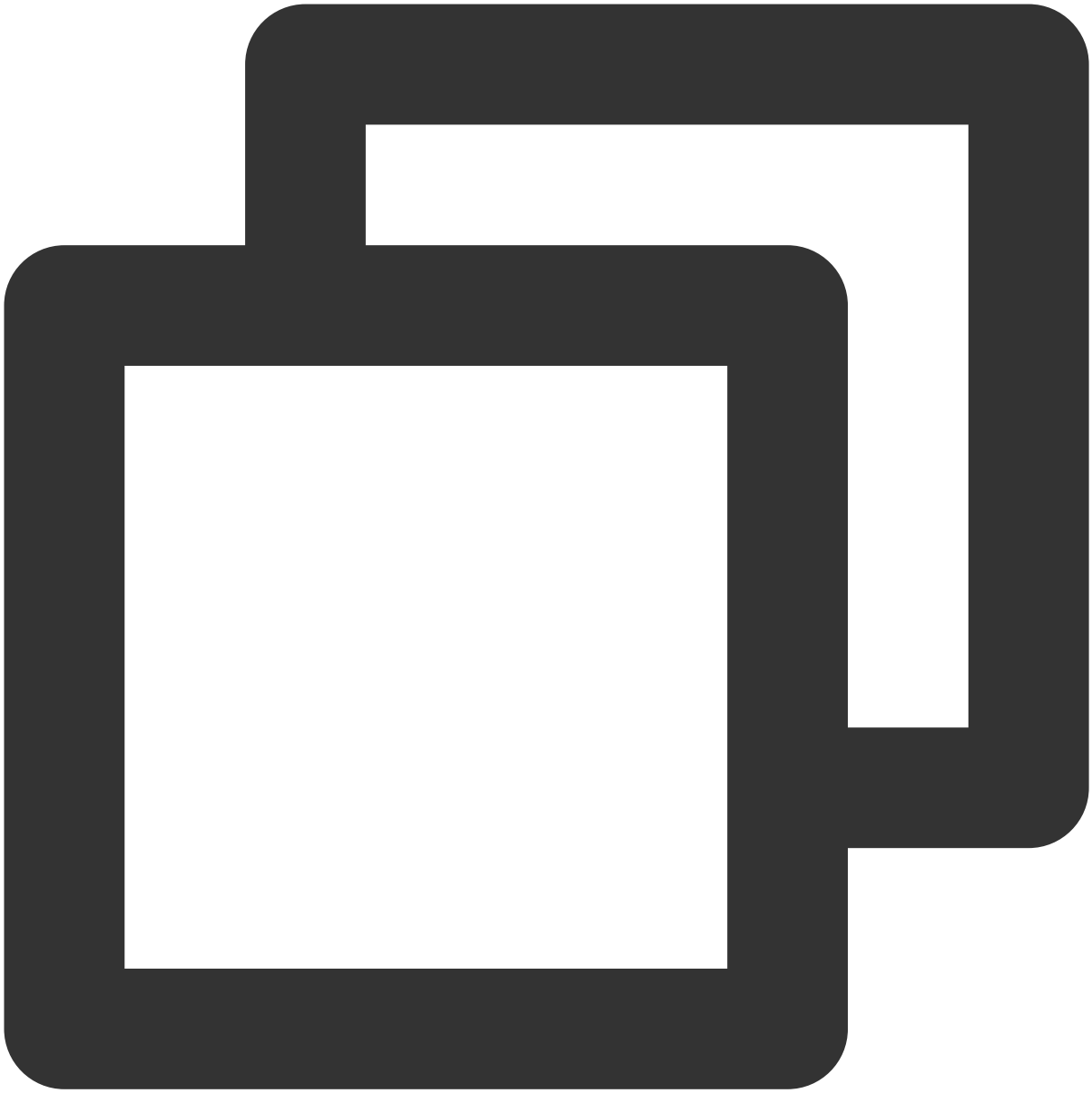
Request



```
GET /for-test.mp4?ci-process=filehash&type=md5 HTTP/1.1
Host: test-1234567890.cos.ap-beijing.myqcloud.com
Authorization: q-sign-algorithm=sha1&q-ak=AKIDWtTCBYjM5OwLB9CAwA1Qb2ThTSUjfG****-si
Content-Length: 0
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-cos
x-cos-request-id: NTg3NzRiMjVfYmRjMzVfMTViMl82ZGZmNw==

<Response>
    <FileHashCodeResult>
        <MD5>0fe771ba515b0525552f59290a50c0ef</MD5>
```

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```
        <FileSize>1048576</FileSize>
        <LastModified>2022-06-27T15:23:12+0800</LastModified>
        <Etag>"ee8de918d05640145b18f70f4c3aa602"</Etag>
    </FileHashCodeResult>
    <Input>
        <Bucket>test-1234567890</Bucket>
        <Object>wg.txt</Object>
        <Region>ap-chongqing</Region>
    </Input>
</Response>
```

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Submitting Hash Calculation Job

Last updated：2024-02-19 16:02:57

Overview

This API adopts a POST request method. You can submit a job to perform hash calculation and asynchronously return a calculated hash value.

Billing Description

Calling the API will incur hash calculation fees and COS read request fees as described in Request Fees.
If the files are stored in COS STANDARD_IA storage class, calling the API will incur STANDARD_IA data retrieval fees as described in Data Retrieval Fees.
Calculation is not supported for files stored in the ARCHIVE or DEEP ARCHIVE storage classes. To calculate hash values for these files, you first need to restore them as instructed in POST Object restore.
This API can be used in Beijing, Shanghai, Guangzhou, Chengdu, Hong Kong (China), Singapore, and Silicon Valley regions.

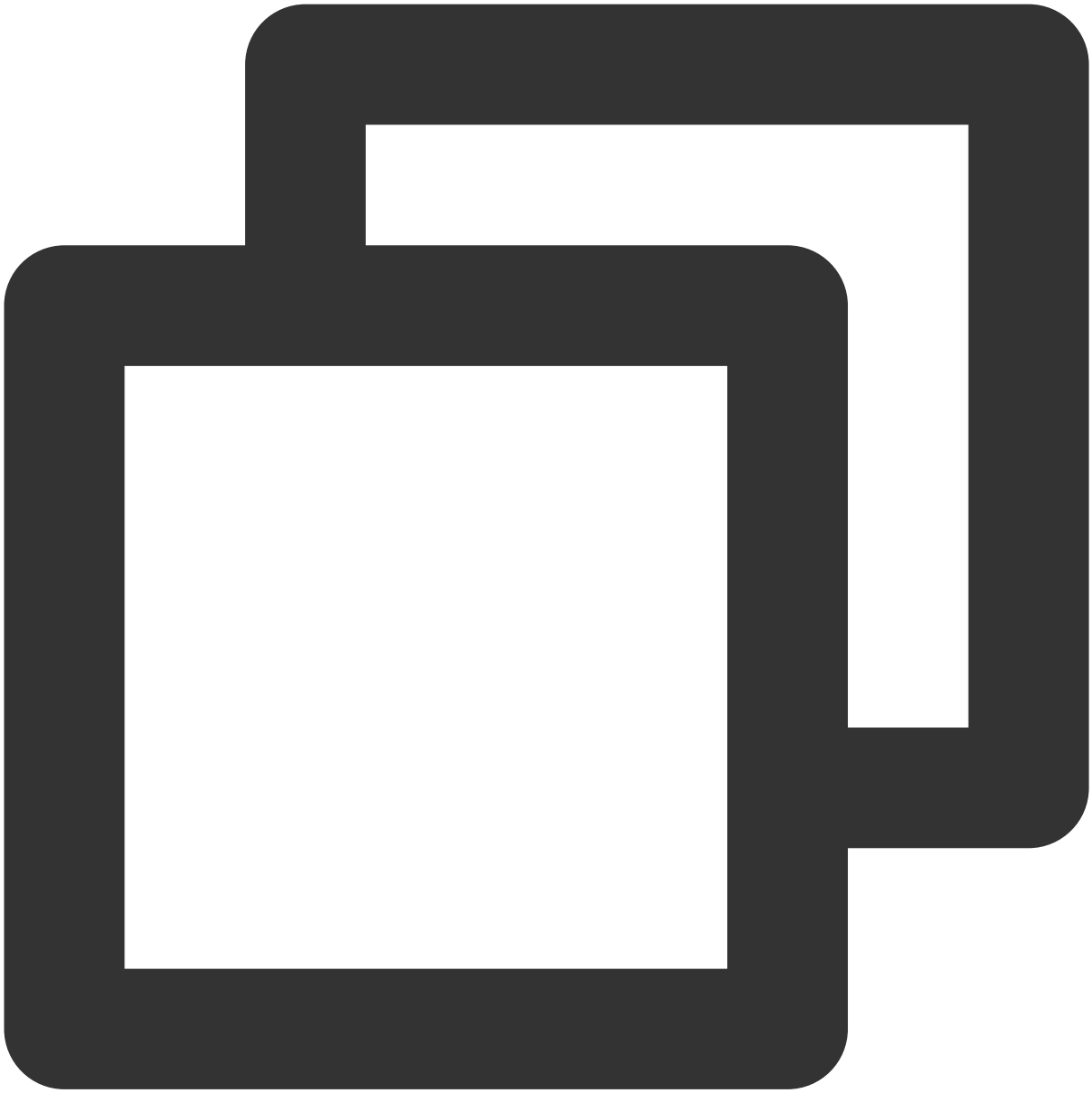
Restrictions

Supported file size: Calculation on files that are less than 50 GB is supported.
Calling the API requires a signature. For more information, see Request Signature.

Request

Sample request

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```
POST /file_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (For more information, see Request Signature.)

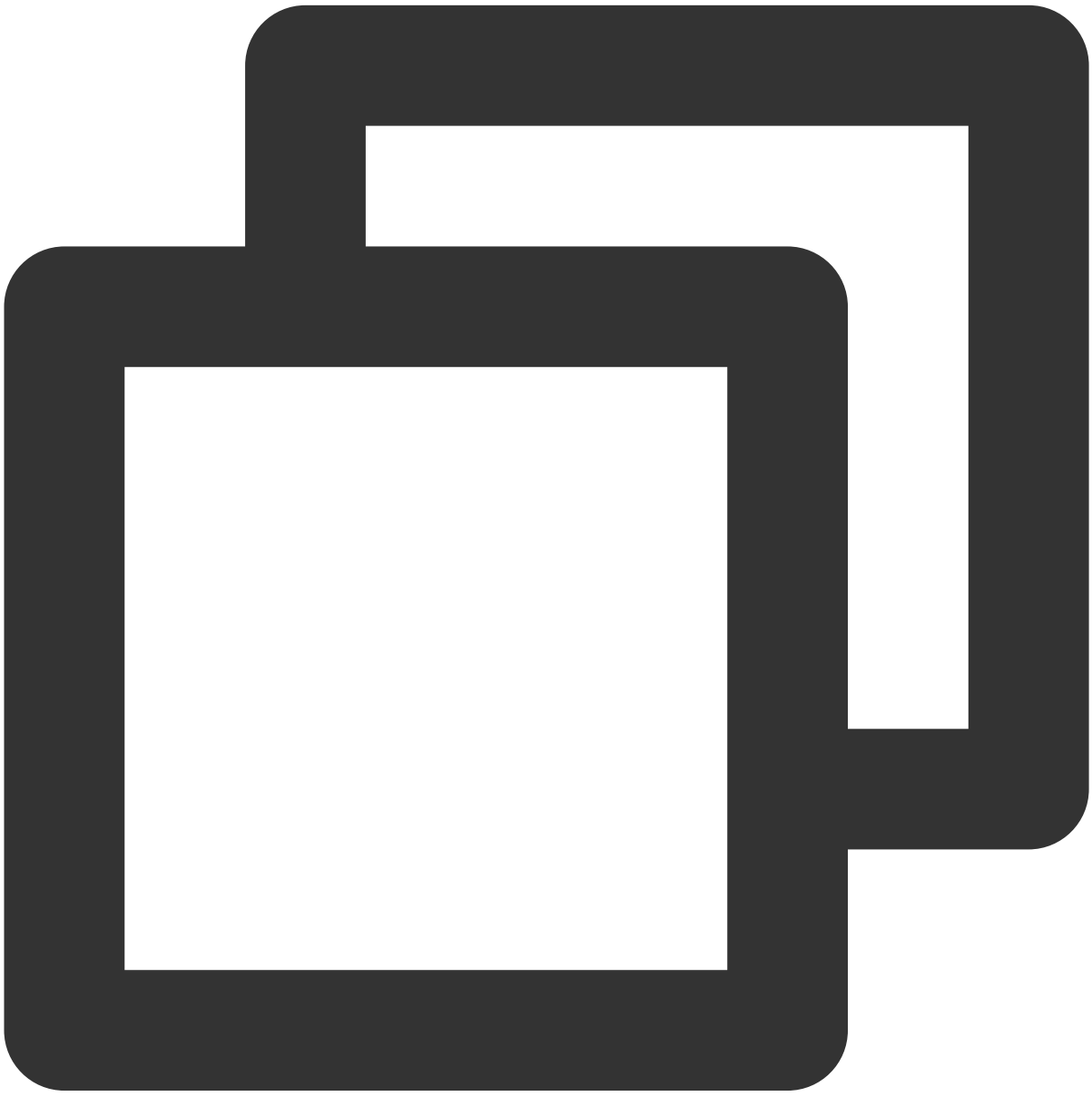
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>FileHashCode</Tag>
    <Input>
        <Object>input/test.mp4</Object>
    </Input>
    <Operation>
        <FileHashCodeConfig>
            <Type>MD5</Type>
            <AddToHeader>true</AddToHeader>
        </FileHashCodeConfig>
        <UserData>This is my data.</UserData>
    </Operation>
    <QueueId>p2911917386e148639319e13c285cc774</QueueId>
    <CallBack>http://test.test.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type. It is `FileHashCode` for hash calculation by default.	String	Yes
Input	Request	Information about the file to be operated	Container	Yes
Operation	Request	Hash calculation rule	Container	Yes
QueueId	Request	ID of the queue where the job is in	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default). It takes priority over that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default) or `TDMQ`. It takes priority over that of the queue.	String	No
CallBack	Request	Job callback address. It takes priority over that of the queue.	String	No

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CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure > CallBackMqConfig, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Filename, which is the full name of the file in the bucket.	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
FileHashCodeConfig	Request.Operation	Hash calculation rule	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No

`FileHashCodeConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Type	Request.Operation.FileHashCodeConfig	Hash algorithm. Valid values: `MD5`, `SHA1`, `SHA256`	String	Yes
AddToHeader	Request.Operation.FileHashCodeConfig	Whether to add the calculated hash value to the custom header in the file. Valid values: `true`, `false` (default) The custom header varies depending on `Type`. For example, if `Type` is `MD5`, the custom header is `x-cos-meta-md5`.	String	No

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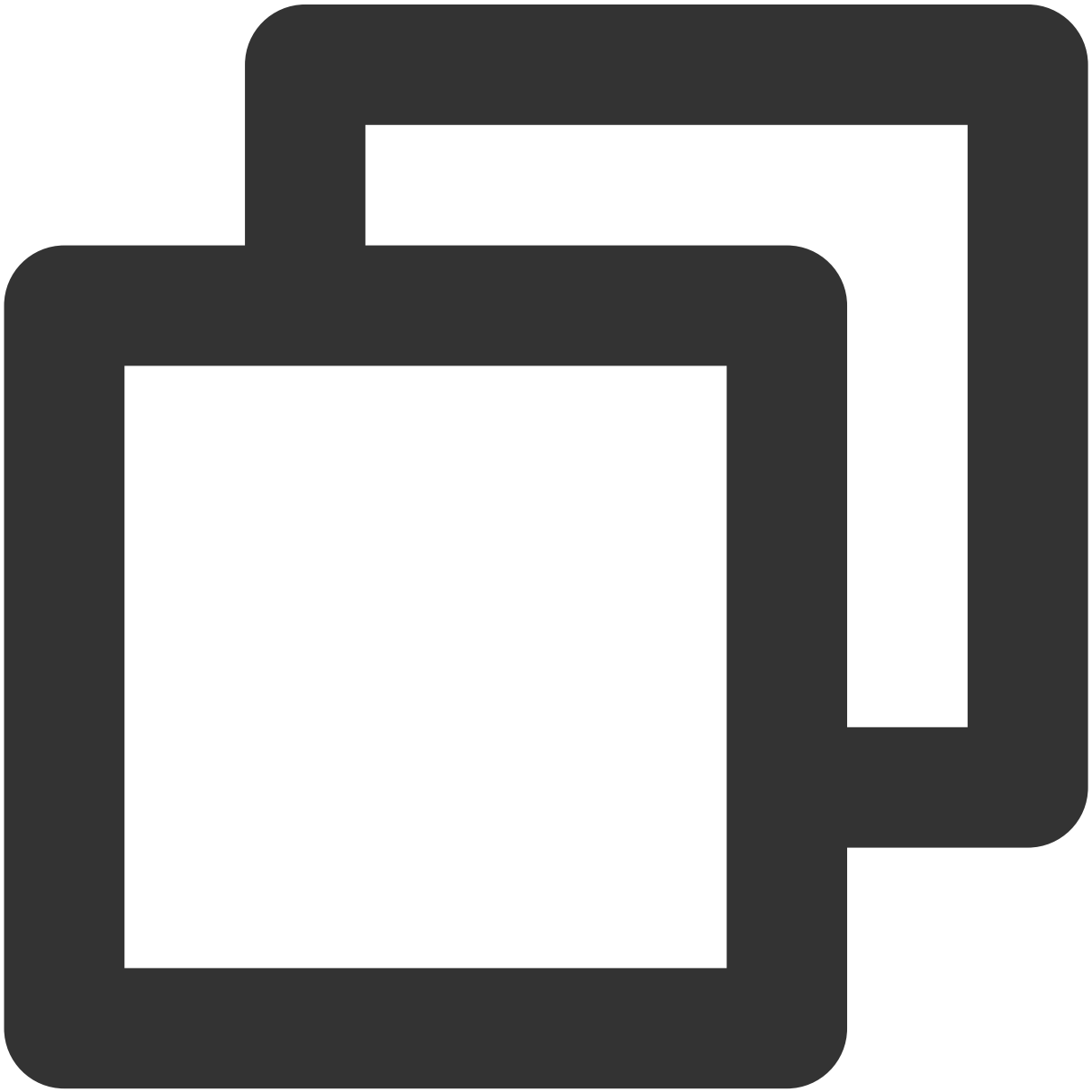
Response

Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileHashCode</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <FileHashCodeConfig>
                <Type>MD5</Type>
                <AddToHeader>true</AddToHeader>
            </FileHashCodeConfig>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is	String

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		`Failed`	
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type. It is `FileHashCode` for hash calculation by default.	String
State	Response.JobsDetail	Job status. Valid values: `Submitted` (submitted), `Running` (running), `Success` (successful), `Failed` (failed), `Pause` (paused), `Cancel` (canceled)	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue where the job is in	String
Input	Response.JobsDetail	Information about the file for which hash calculation is performed	Container
Operation	Response.JobsDetail	Hash calculation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Region of the bucket	String
Bucket	Response.JobsDetail.Input	Bucket where the file resides	String
Object	Response.JobsDetail.Input	Name of the file for which hash calculation is performed	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
UserData	Response.JobsDetail.Operation	The user information passed through.
FileHashCodeConfig	Response.JobsDetail.Operation	Same as `Request.Operation.FileHashCodeConfig` in the request.

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FileHashCodeResult	Response.JobsDetail.Operation	File hash information obtained, which will not be returned when the job is not completed.

`FileHashCodeResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
MD5	Response.JobsDetail.Operation.FileHashCodeResult	MD5 calculation result	String
SHA1	Response.JobsDetail.Operation.FileHashCodeResult	SHA1 calculation result	String
SHA256	Response.JobsDetail.Operation.FileHashCodeResult	SHA256 calculation result	String
FileSize	Response.JobsDetail.Operation.FileHashCodeResult	File size	Int
LastModified	Response.JobsDetail.Operation.FileHashCodeResult	Time when the file was last modified	String
Etag	Response.JobsDetail.Operation.FileHashCodeResult	File ETag	String

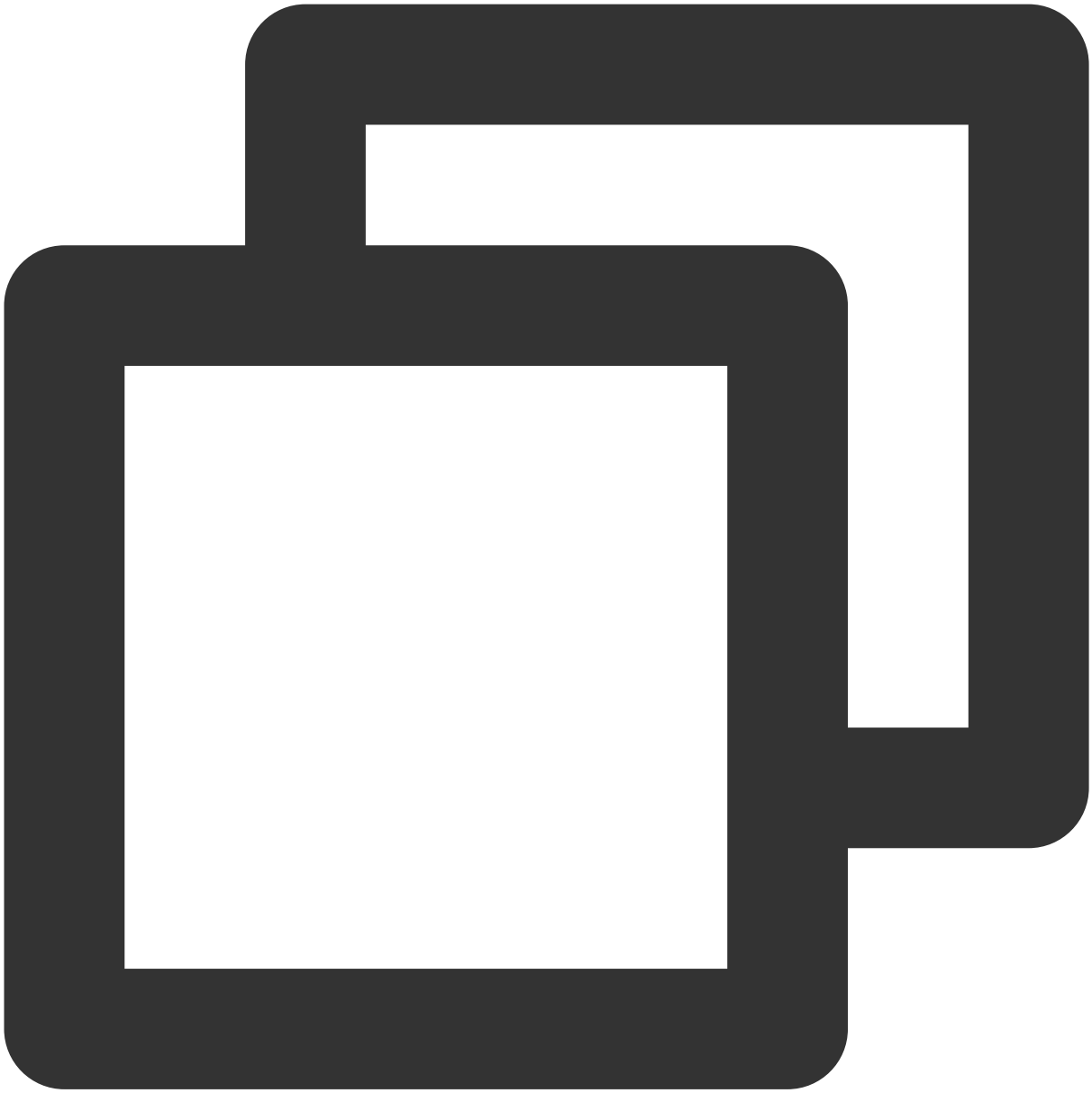
Error codes

There are no specific error messages for this request operation. For common error messages, see Error Codes.

Examples

Request

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```
POST /file_jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

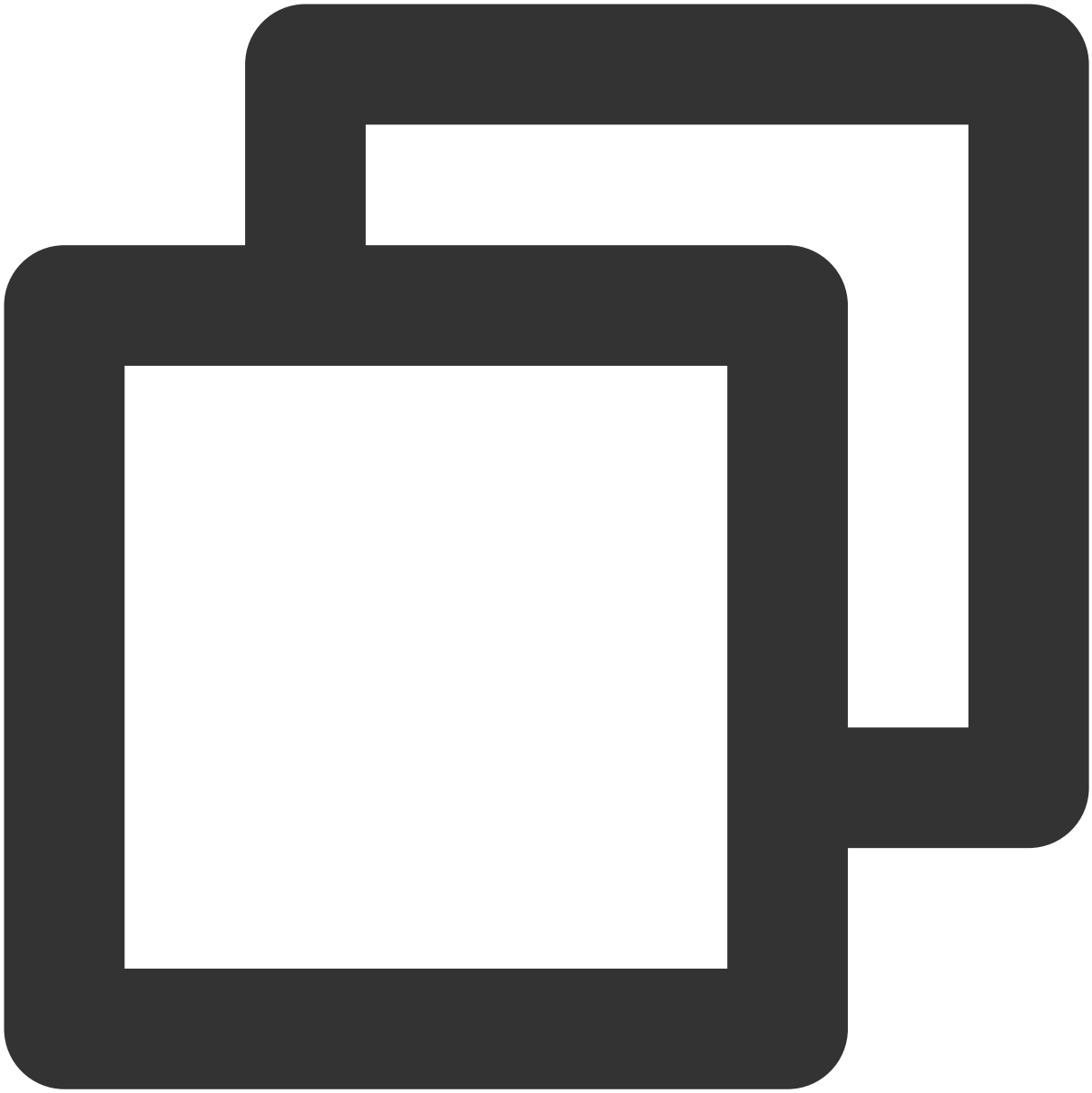
<Request>
    <Tag>FileHashCode</Tag>
    <Input>
        <Object>input/test.mp4</Object>
    </Input>
```

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```
    <Operation>
        <FileHashCodeConfig>
            <Type>MD5</Type>
            <AddToHeader>true</AddToHeader>
        </FileHashCodeConfig>
        <UserData>This is my data.</UserData>
    </Operation>
    <QueueId>p2911917386e148639319e13c285cc774</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileHashCode</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <FileHashCodeConfig>
                <Type>MD5</Type>
                <AddToHeader>true</AddToHeader>
            </FileHashCodeConfig>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

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Querying Hash Calculation Result

Last updated：2024-02-19 16:02:58

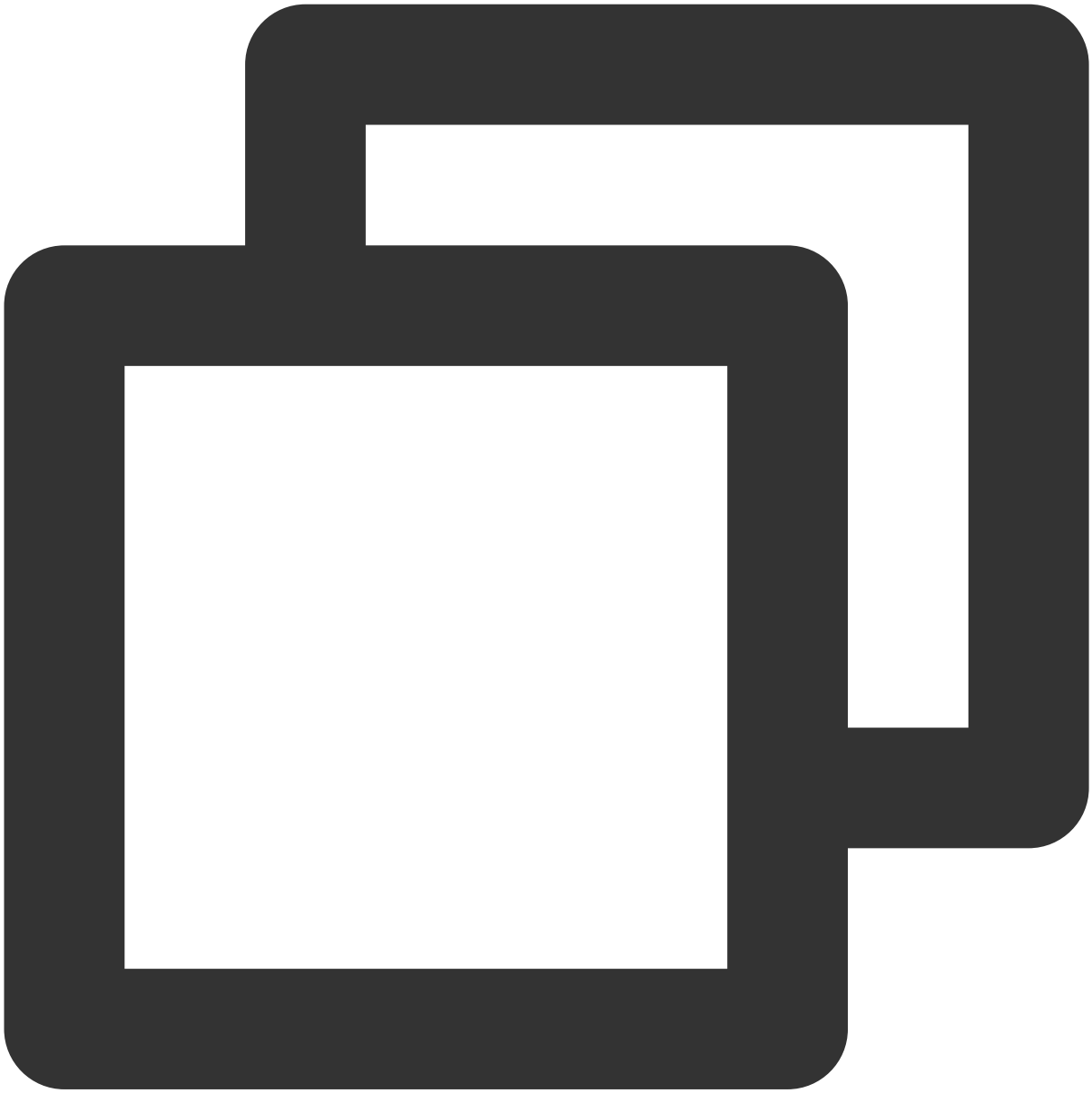
Overview

This API is used to query the result of a specified hash calculation job.

Request

Sample request

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```
GET /file_jobs/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses Common Request Headers.

Request body

This request does not have a request body.

Response

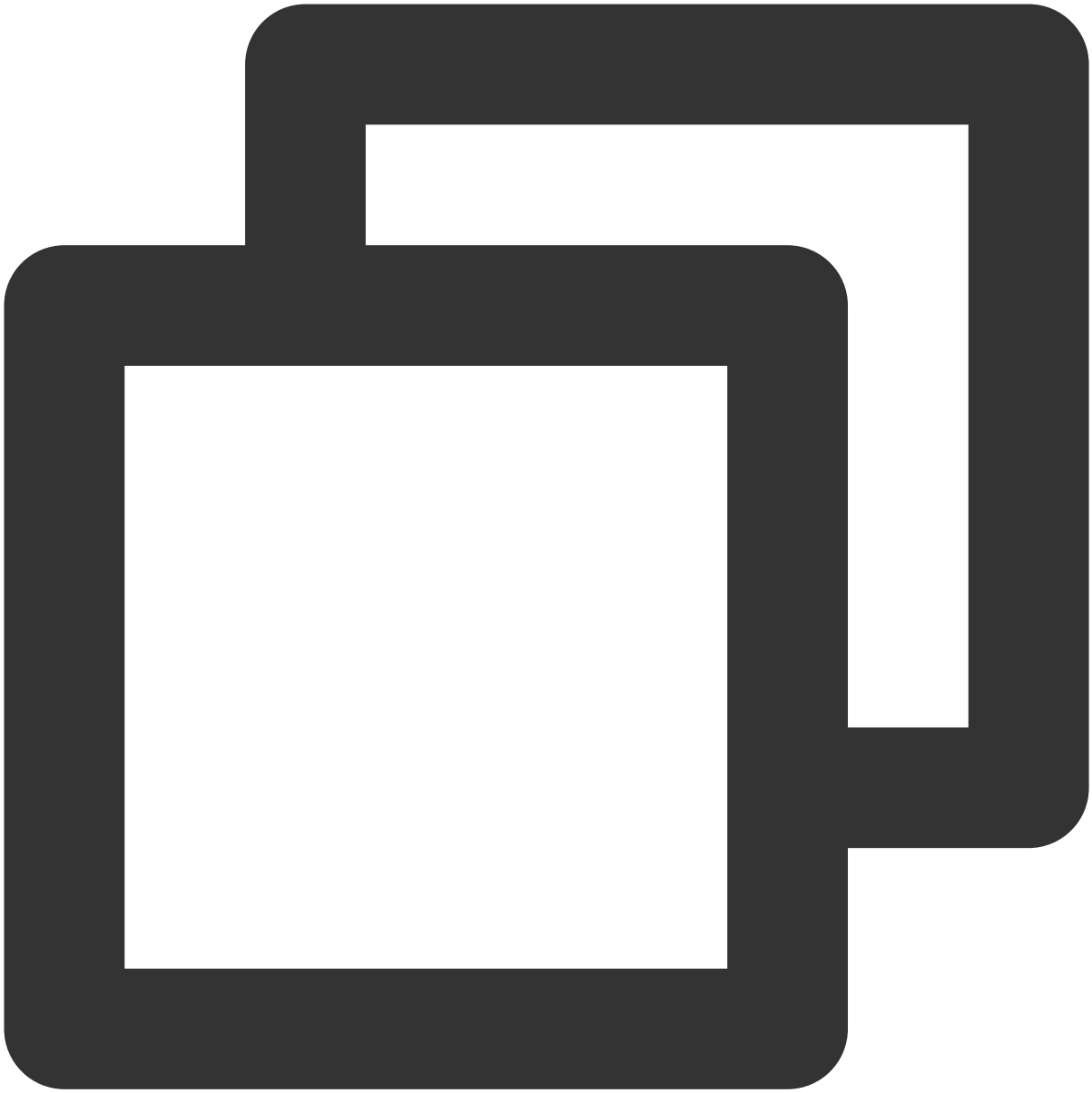
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileHashCode</Tag>
```

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```
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <FileHashCodeConfig>
                <Type>MD5</Type>
                <AddToHeader>true</AddToHeader>
            </FileHashCodeConfig>
            <FileHashCodeResult>
                <MD5>xxxxxxxx</MD5>
                <FileSize>123</FileSize>
                <LastModified>2022-06-27T15:23:11+0800</LastModified>
                <Etag>xxxxxx</Etag>
            </FileHashCodeResult>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node is not returned.	String

For specific parameter values, see `JobsDetail` in Hash Calculation.

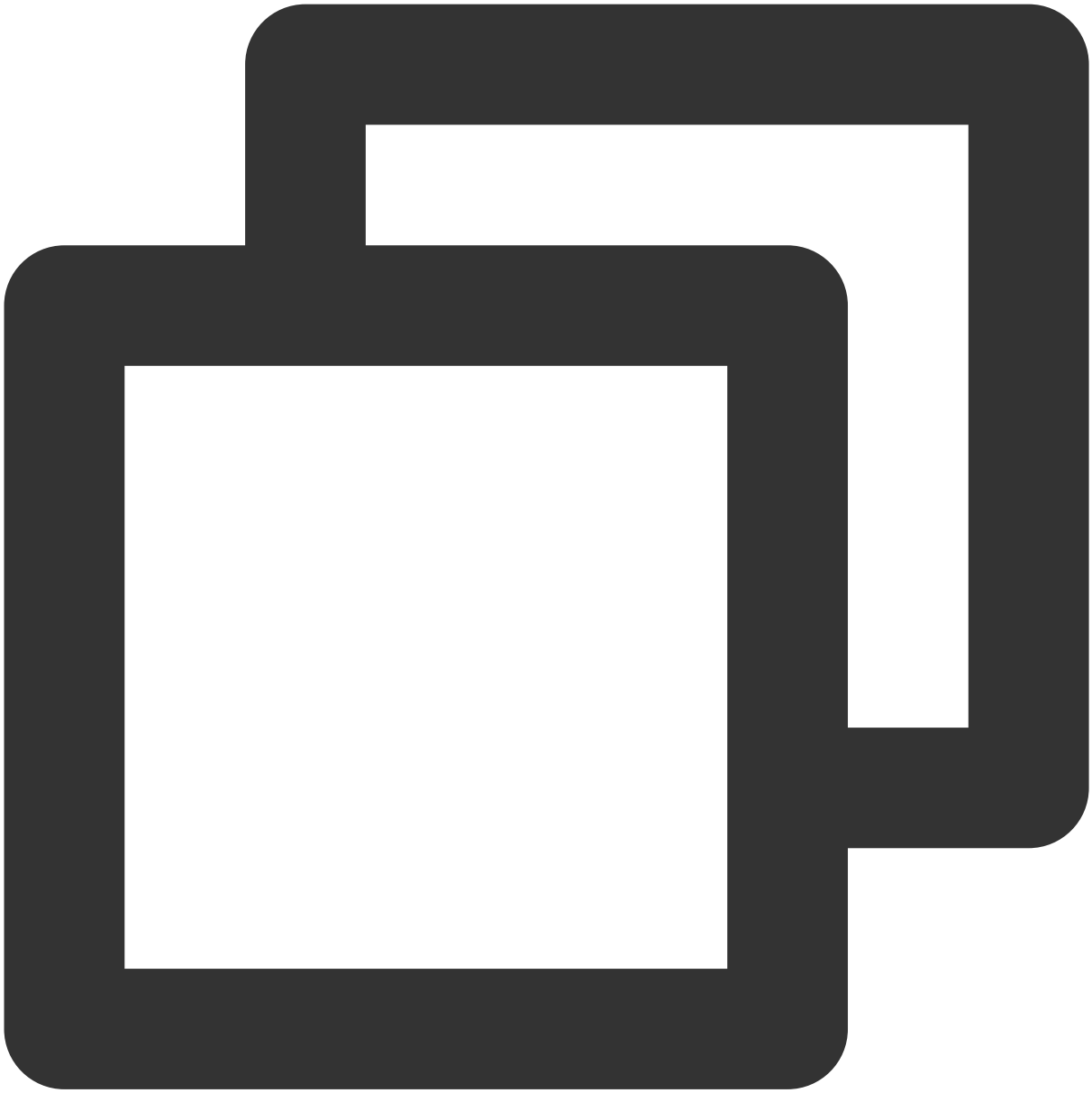
Error codes

No special error message will be returned for this request. For the common error messages, see Error Codes.

Examples

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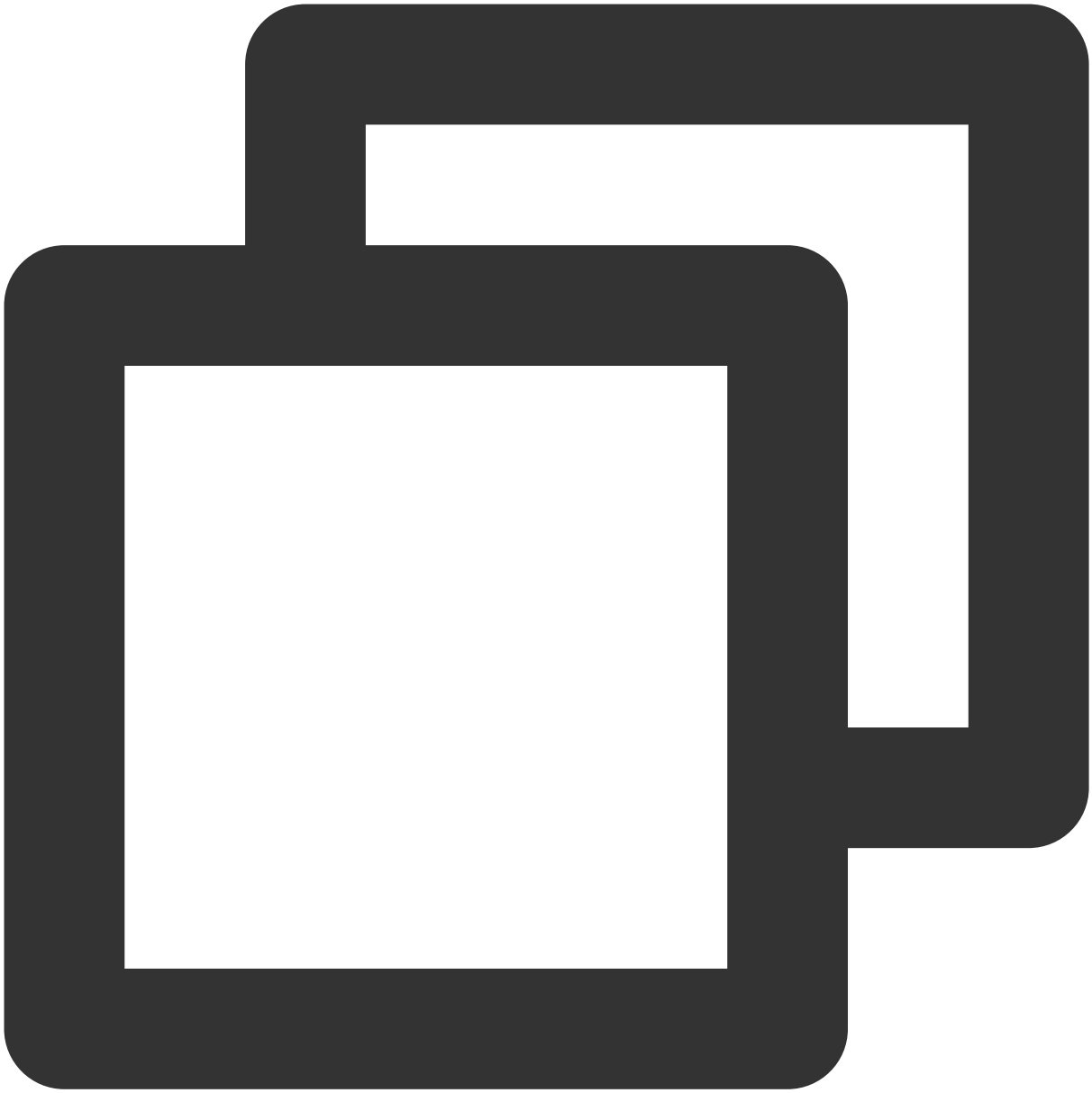
Request



```
GET /file_jobs/f93984788066911ed89ed352d4d9d2084 HTTP/1.1
Accept: */*
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileHashCode</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <FileHashCodeConfig>
                <Type>MD5</Type>
                <AddToHeader>true</AddToHeader>
            </FileHashCodeConfig>
            <FileHashCodeResult>
                <MD5>xxxxxxxx</MD5>
                <FileSize>123</FileSize>
                <LastModified>2022-06-27T15:23:11+0800</LastModified>
                <Etag>xxxxxx</Etag>
            </FileHashCodeResult>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

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File Decompression
Submitting File Decompression Job

Last updated：2024-02-19 16:02:57

Overview

This API adopts a POST request method. You can submit a job to perform file decompression and asynchronously return decompressed files.

Billing Description

Calling the API will incur file decompression fees and COS read request fees as described in Request Fees.
If the files are stored in COS STANDARD_IA storage class, calling the API will incur STANDARD_IA data retrieval fees as described in Data Retrieval Fees.
Decompression is not supported for files stored in the ARCHIVE or DEEP ARCHIVE storage classes. To decompress these files, you first need to restore them as instructed in POST Object restore.

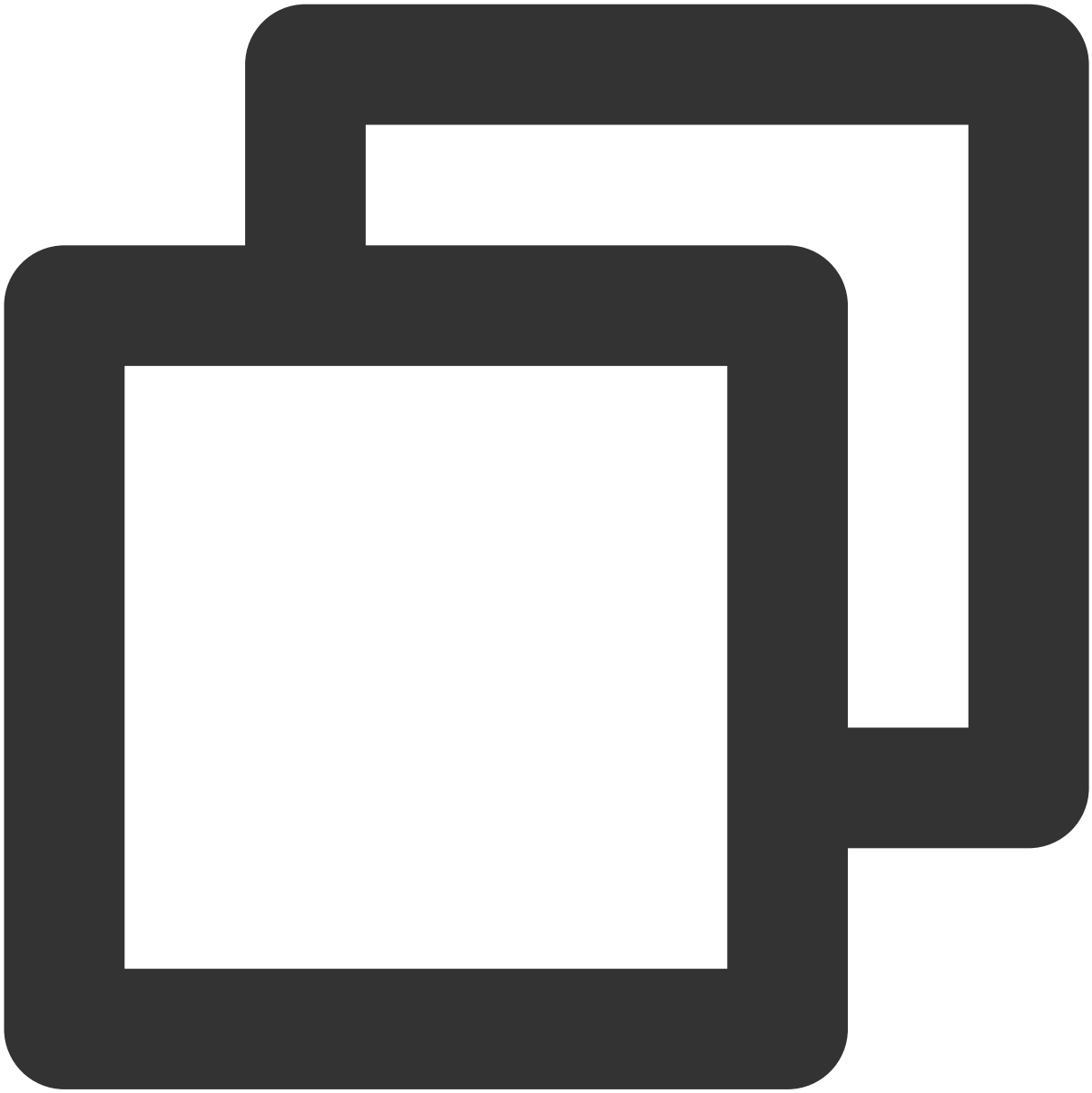
Restrictions

Supported file size: Decompression on a file that is less than 5 TB is supported.
File decompression adopts streaming decompression. The system outputs the decompressed files while decompressing them. If some files are corrupted during the decompression, the decompression operation stops, and some decompressed files are retained.
Calling the API requires a signature. For more information, see Request Signature.
This API can be used in Beijing, Shanghai, Guangzhou, Chengdu, Hong Kong (China), Singapore, and Silicon Valley regions.

Request

Sample request

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```
POST /file_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (For more information, see Request Signature.)

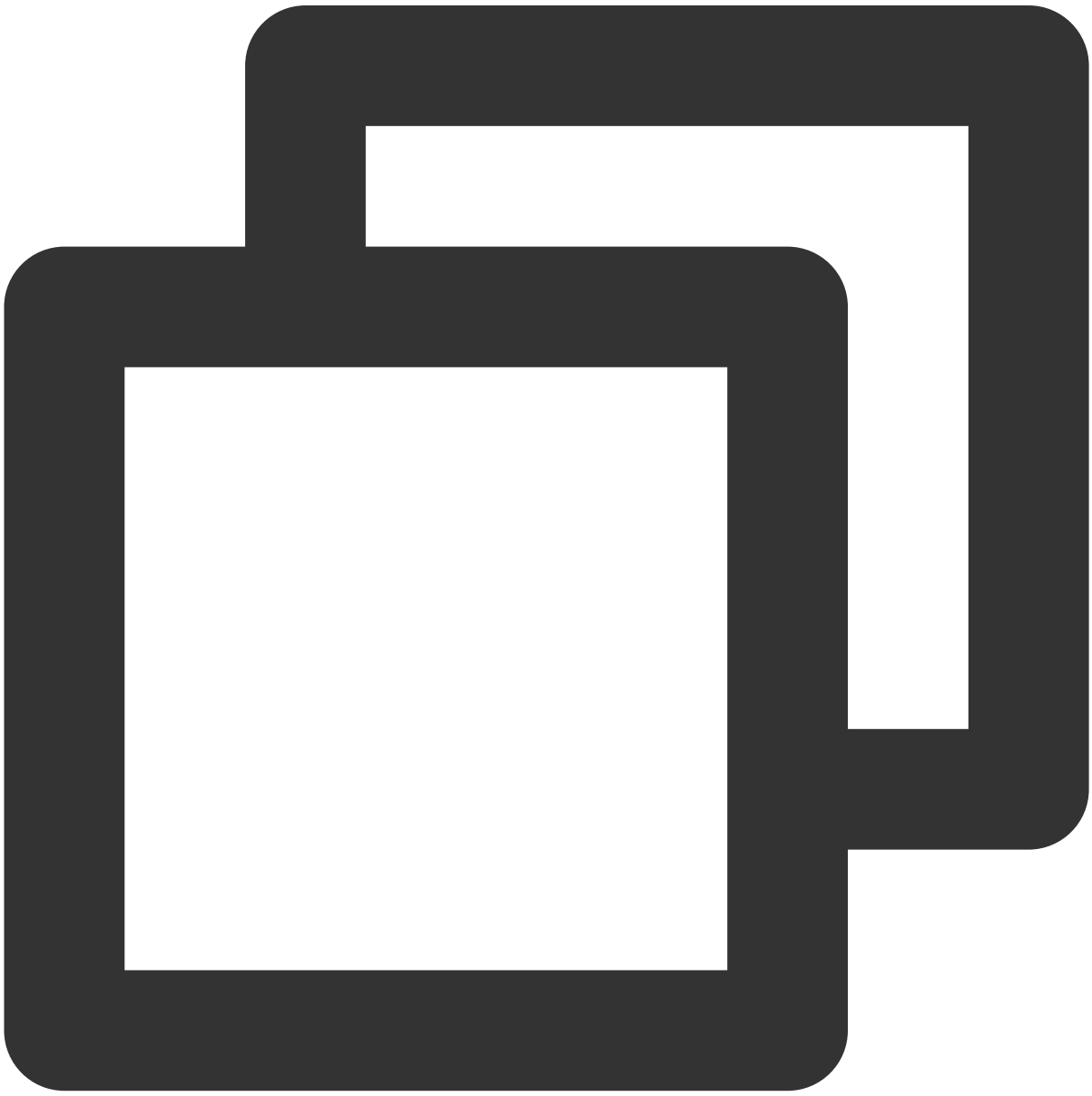
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>FileUncompress</Tag>
    <Input>
        <Object>input/test.zip</Object>
    </Input>
    <Operation>
        <FileUncompressConfig>
            <Prefix>output/</Prefix>
            <PrefixReplaced>1</PrefixReplaced>
        </FileUncompressConfig>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-1234567890</Bucket>
        </Output>
        <UserData>This is my data.</UserData>
    </Operation>
    <QueueId>p2911917386e148639319e13c285cc774</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type. It is `FileUncompress` for file decompression by default.	String	Yes
Input	Request	Information about the file to be operated	Container	Yes
Operation	Request	File decompression rule.	Container	Yes
QueueId	Request	ID of the queue where the job is in	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default). It takes priority over that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url`	String	No

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		(default) or `TDMQ` . It takes priority over that of the queue.		
CallBack	Request	Job callback address. It takes priority over that of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure > CallBackMqConfig, which is required if `CallBackType` is `TDMQ` .	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	File name, which is the full name of the file in the bucket.	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
FileUncompressConfig	Request.Operation	File decompression rule	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
Output	Request.Operation	Information about the bucket where the decompressed file is stored	Container	Yes

`FileUncompressConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Prefix	Request.Operation.FileUncompressConfig	Prefix of the input file after decompression. If this parameter is left empty, the file is stored in the root directory of the bucket by default.	String	No

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PrefixReplaced	Request.Operation.FileUncompressConfig	Whether to replace the prefix of the directory of the decompressed file. Valid values: - 0: No additional prefix is added. The decompressed files are saved in the directory specified by Prefix (the name of the compressed package is not retained, and the file in the compressed package is saved to the specified directory only). - 1: The name of the compressed package is used as the prefix. The decompressed files are saved in the directory specified by Prefix. - 2: The full directory of the compressed package is used as the prefix. If Prefix is not specified, the file is decompressed to the current directory (including the name of the compressed package) of the compressed package. - Default value: 0	String	No

Note:

Sample:

If the compressed package is named `test.zip` , contains the `image.jpg` file, and is stored in the `123` directory in bucket A, the full directory of the compressed package is `123/test.zip` .

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Decompress the package to bucket A with `Prefix` set to `456`. The storage directory of the decompressed file varies depending on the value of `PrefixReplaced`:
`0`: The `image.jpg` file is stored in the `456` directory and its full directory is `456/image.jpg`.
`1`: The `image.jpg` file is stored in the `456` directory with prefix `test` and its full directory is `456/test/image.jpg`.
`2`: The `image.jpg` file is stored in the `456` directory with prefix `123/test` and its full directory is `456/123/test/image.jpg`.
`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Bucket where the decompressed files are stored	String	Yes

Response

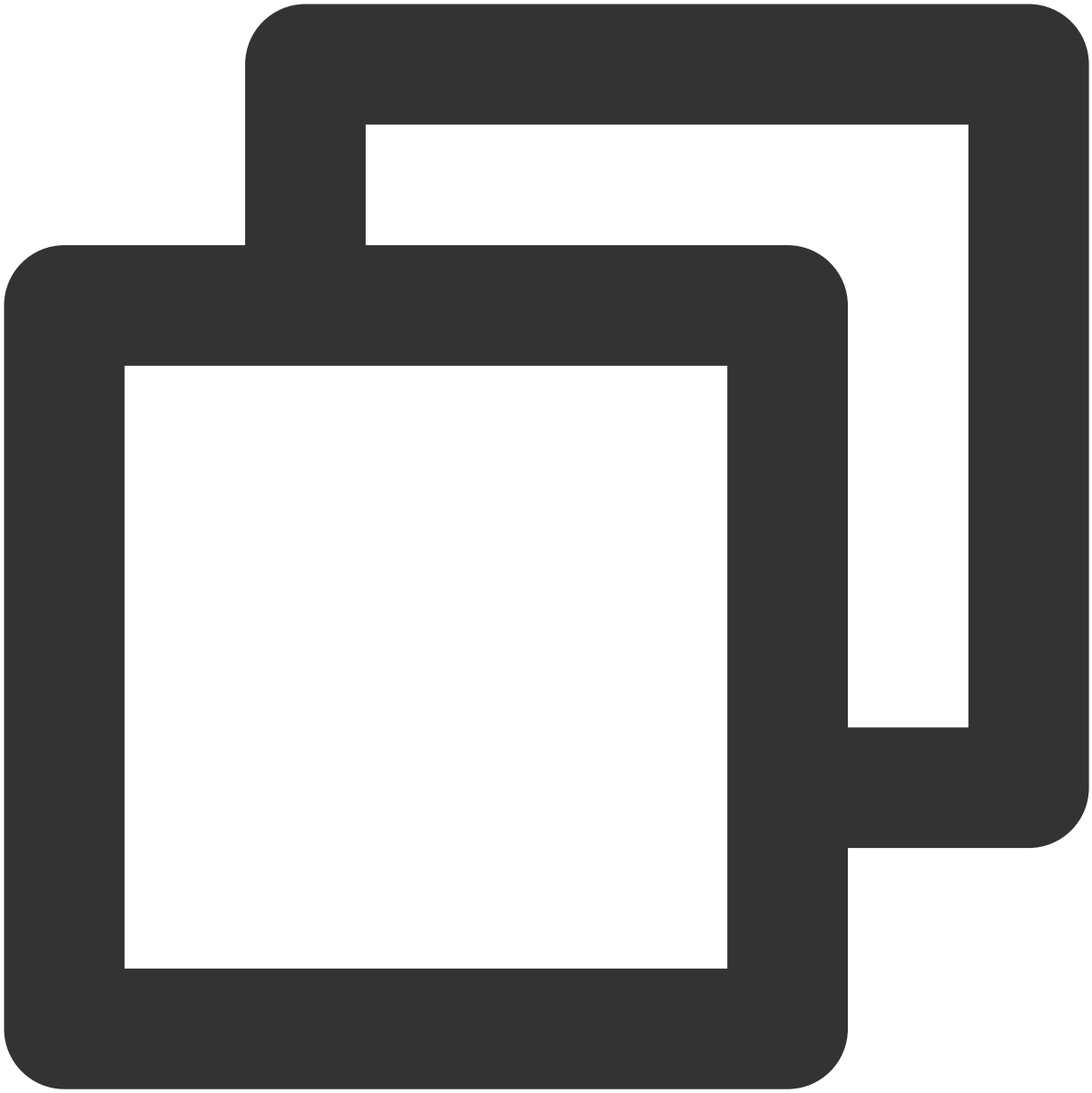
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileUncompress</Tag>
```

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```
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.zip</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <FileUncompressConfig>
                <Prefix>output/</Prefix>
                <PrefixReplaced>1</PrefixReplaced>
            </FileUncompressConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
            </Output>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type. It is `FileUncompress` for file decompression by default.	String

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State	Response.JobsDetail	Job status. Valid values: `Submitted` (submitted), `Running` (running), `Success` (successful), `Failed` (failed), `Pause` (paused), `Cancel` (canceled)	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue where the job is in	String
Input	Response.JobsDetail	Information about the file to be decompressed	Container
Operation	Response.JobsDetail	File decompression rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Region of the bucket	String
Bucket	Response.JobsDetail.Input	Bucket where the file resides	String
Object	Response.JobsDetail.Input	Name of the file to be decompressed	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
UserData	Response.JobsDetail.Operation	The user information passed through.
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.
FileUncompressConfig	Response.JobsDetail.Operation	Same as `Request.Operation.FileUncompressConf` in the request.
FileUncompressResult	Response.JobsDetail.Operation	File decompression result, which will not be returned when the job is not completed.

`FileUncompressResult` has the following sub-nodes:

Node	Parent Node	Description	Type

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Name (Keyword)			
Region	Response.JobsDetail.Operation.FileUncompressResult	Region of the bucket where the decompressed file is stored	String
Bucket	Response.JobsDetail.Operation.FileUncompressResult	Bucket where the decompressed file is stored	String
FileCount	Response.JobsDetail.Operation.FileUncompressResult	Number of decompressed files	String

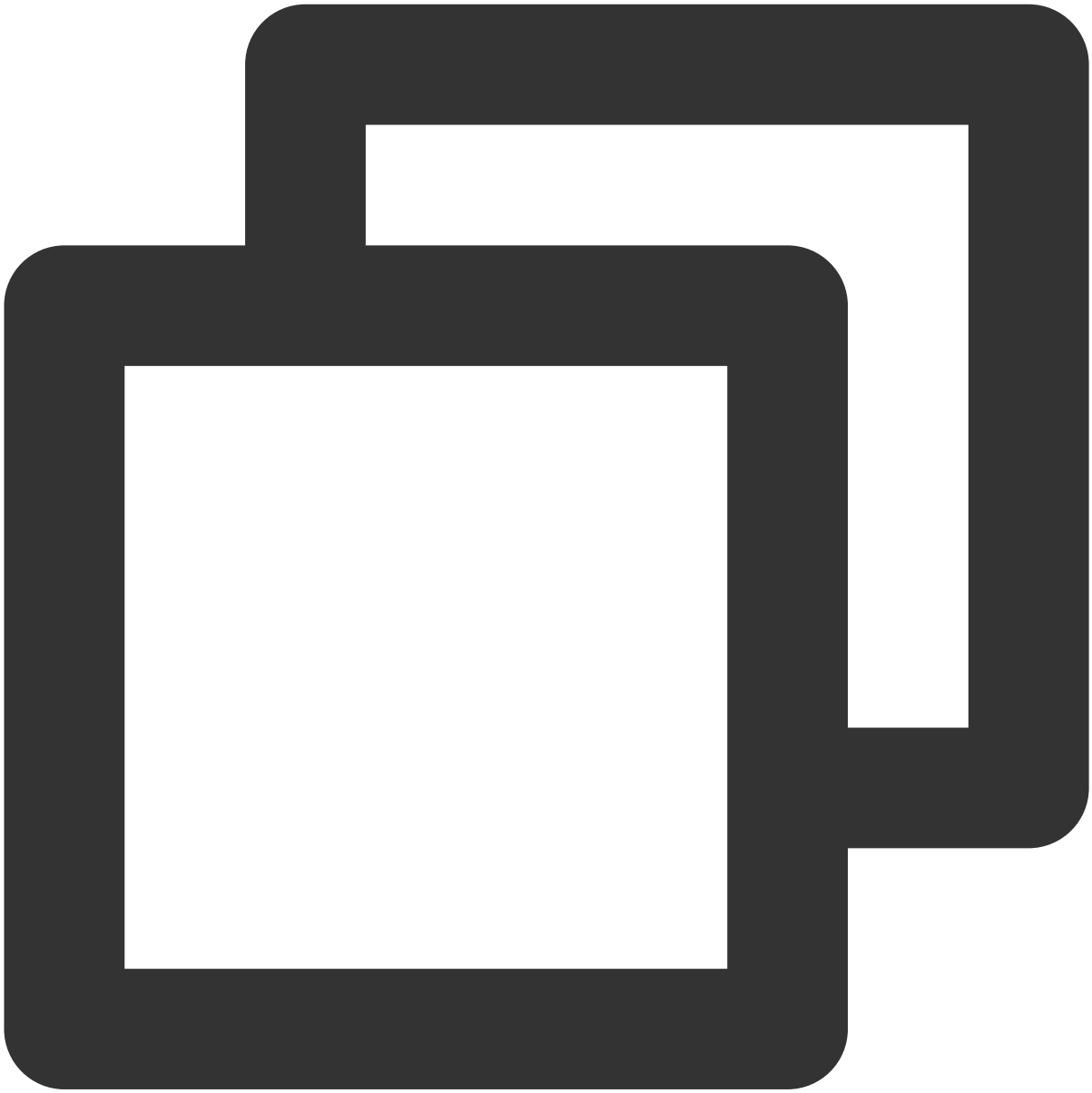
Error codes

There are no specific error messages for this request operation. For common error messages, see Error Codes.

Examples

Request

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```
POST /file_jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

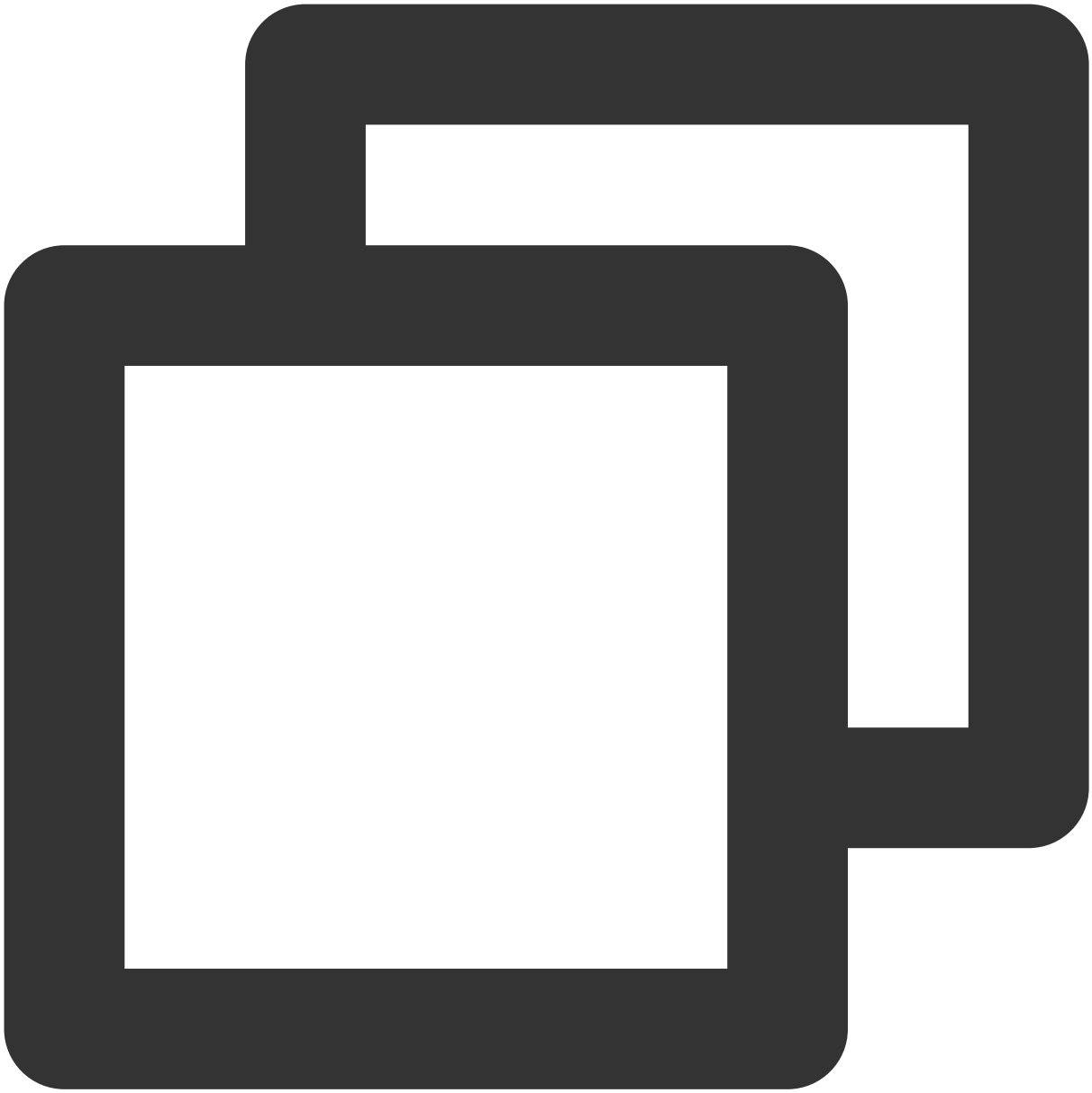
<Request>
    <Tag>FileUncompress</Tag>
    <Input>
        <Object>input/test.zip</Object>
    </Input>
```

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```
    <Operation>
        <FileUncompressConfig>
            <Prefix>output/</Prefix>
            <PrefixReplaced>1</PrefixReplaced>
        </FileUncompressConfig>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-1234567890</Bucket>
        </Output>
        <UserData>This is my data.</UserData>
    </Operation>
    <QueueId>p2911917386e148639319e13c285cc774</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileUncompress</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.zip</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <FileUncompressConfig>
                <Prefix>output/</Prefix>
                <PrefixReplaced>1</PrefixReplaced>
            </FileUncompressConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
            </Output>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

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Querying File Decompression Result

Last updated：2024-02-19 16:02:57

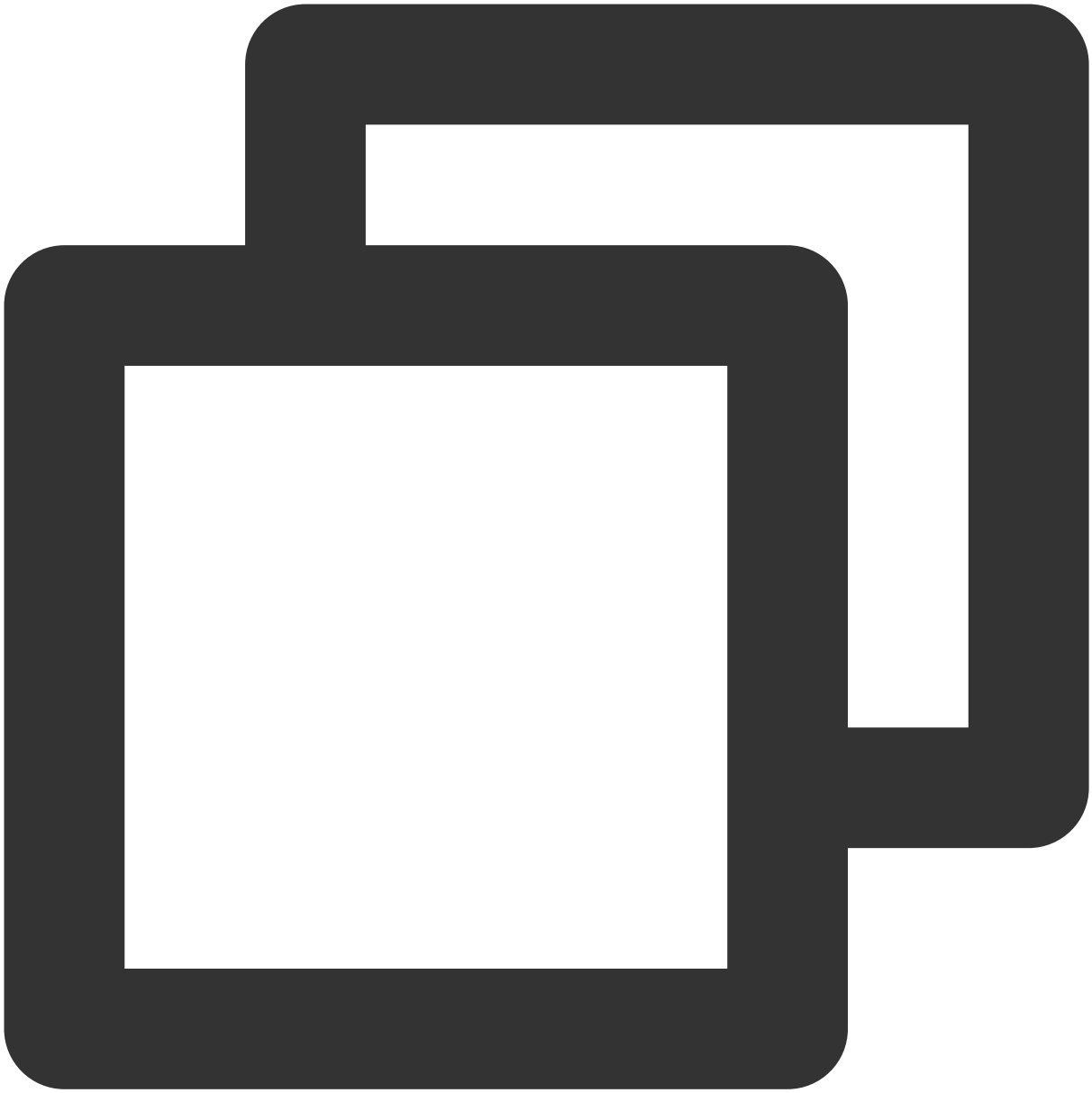
Overview

This API is used to query the result of a specified file decompression job.

Request

Sample request

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```
GET /file_jobs/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (For more information, see Request Signature.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses Common Request Headers.

Request body

This request does not have a request body.

Response

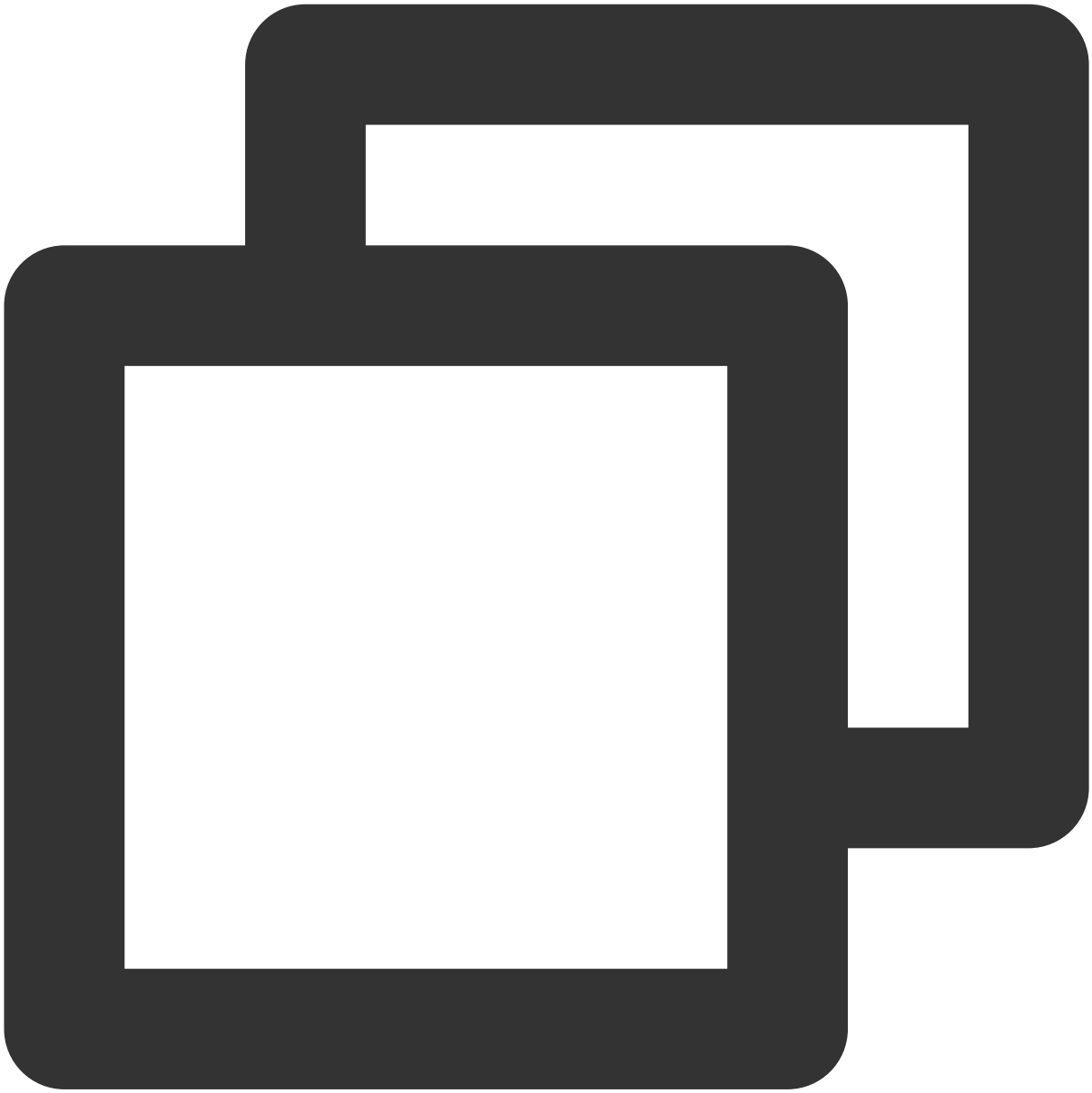
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileUncompress</Tag>
```

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```
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.zip</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <FileUncompressConfig>
                <Prefix>output/</Prefix>
                <PrefixReplaced>1</PrefixReplaced>
            </FileUncompressConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
            </Output>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node is not returned.	String

For specific parameter values, see `JobsDetail` in File Decompression.

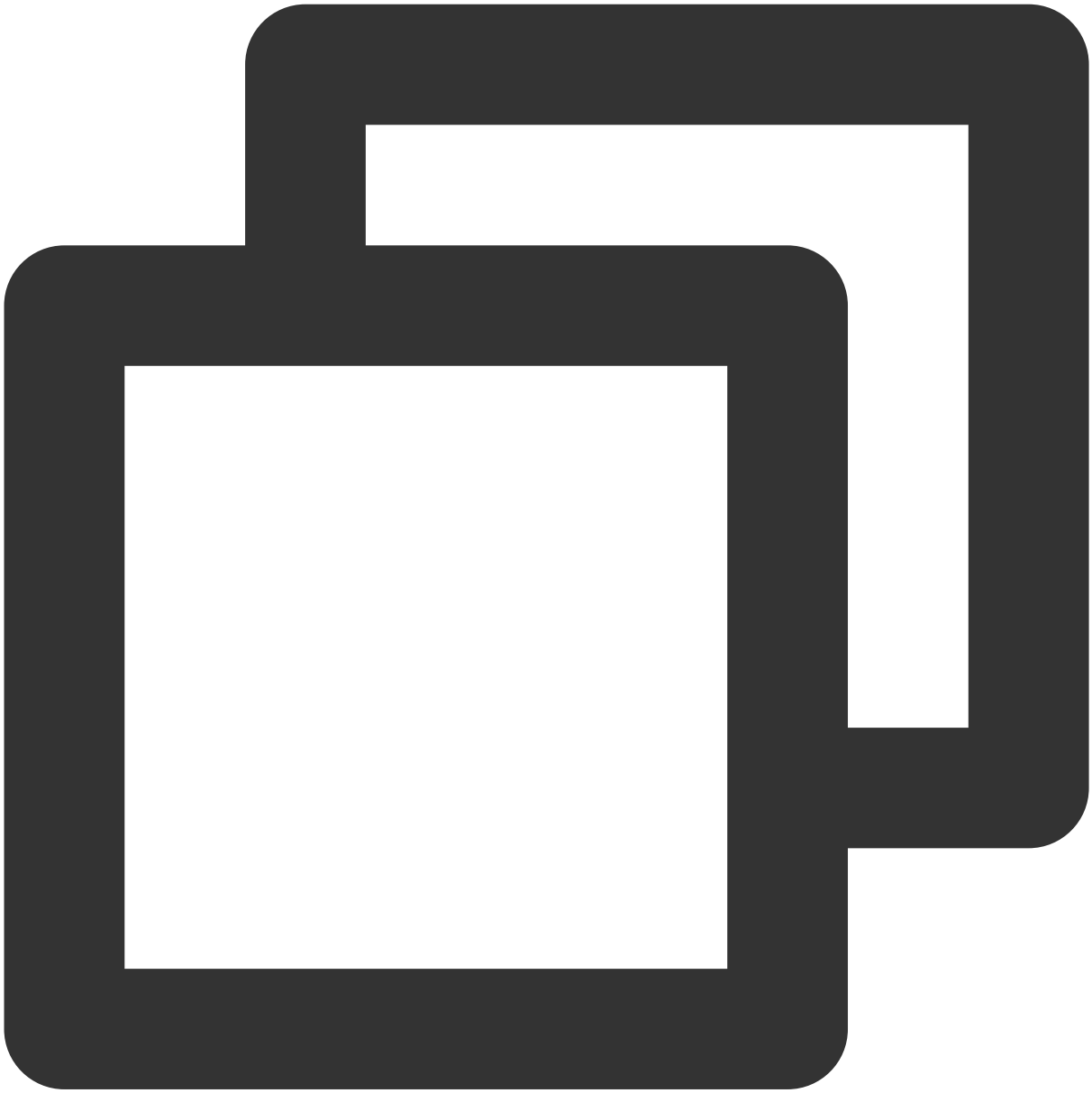
Error codes

No special error message will be returned for this request. For the common error messages, see Error Codes.

Examples

Request

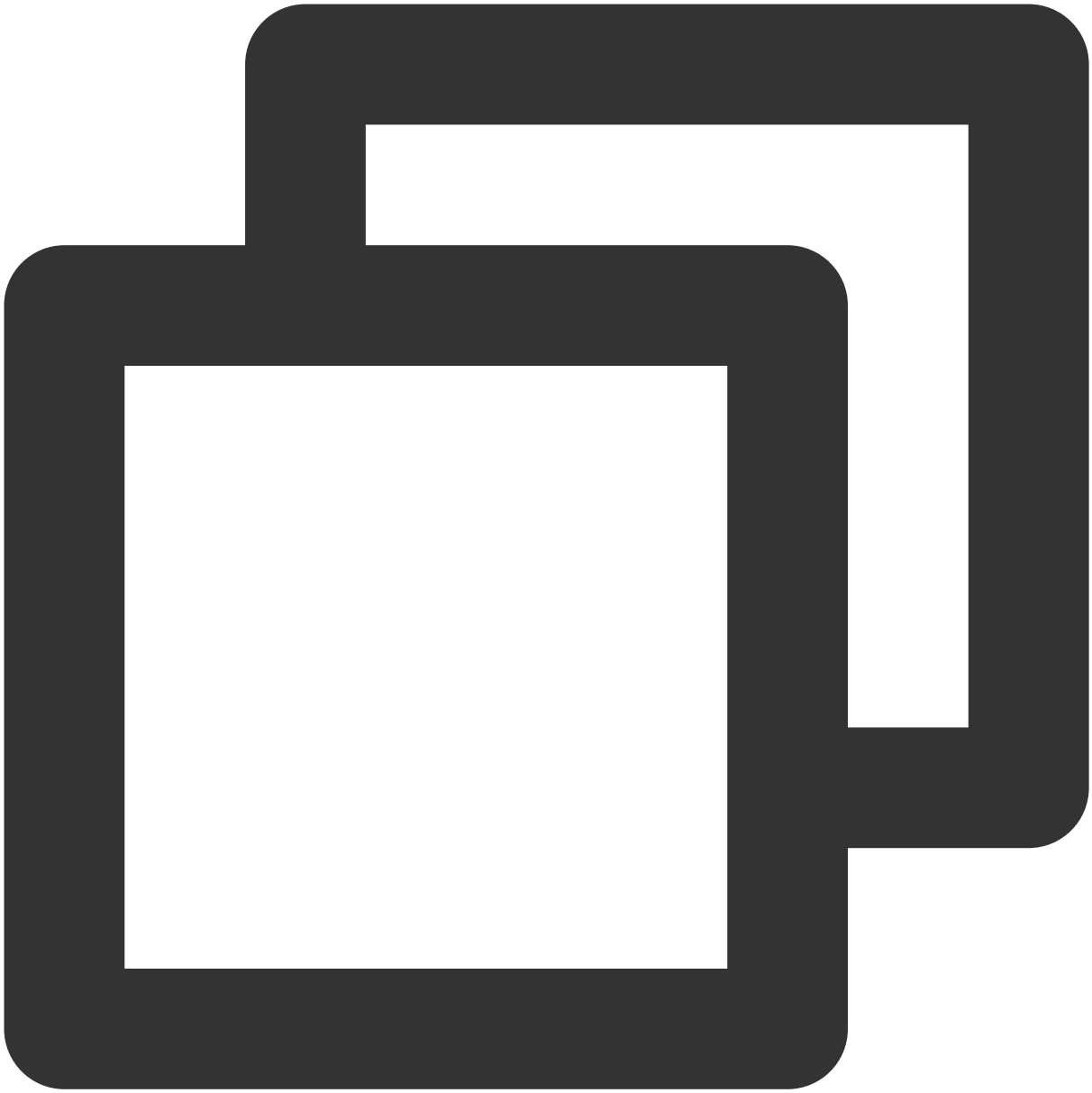
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```
GET /file_jobs/f93984788066911ed89ed352d4d9d2084 HTTP/1.1
Accept: */*
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileUncompress</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.zip</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <FileUncompressConfig>
                <Prefix>output/</Prefix>
                <PrefixReplaced>1</PrefixReplaced>
            </FileUncompressConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
            </Output>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

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Multi-File Zipping
Submitting Multi-File Zipping Job

Last updated：2024-02-19 16:02:57

Overview

The multi-file zipping feature uses a POST request to zip multiple files into a compressed file such as a ZIP file. You can submit a job to zip multiple files and asynchronously return the compressed file.

Billing Description

Calling the API will incur multi-file zipping fees and COS read request fees as described in Request Fees.
If the files are stored in COS STANDARD_IA storage class, calling the API will incur STANDARD_IA data retrieval fees as described in Data Retrieval Fees.
Zipping is not supported for files stored in the ARCHIVE or DEEP ARCHIVE storage classes. To zip these files, you first need to restore them as instructed in POST Object restore.

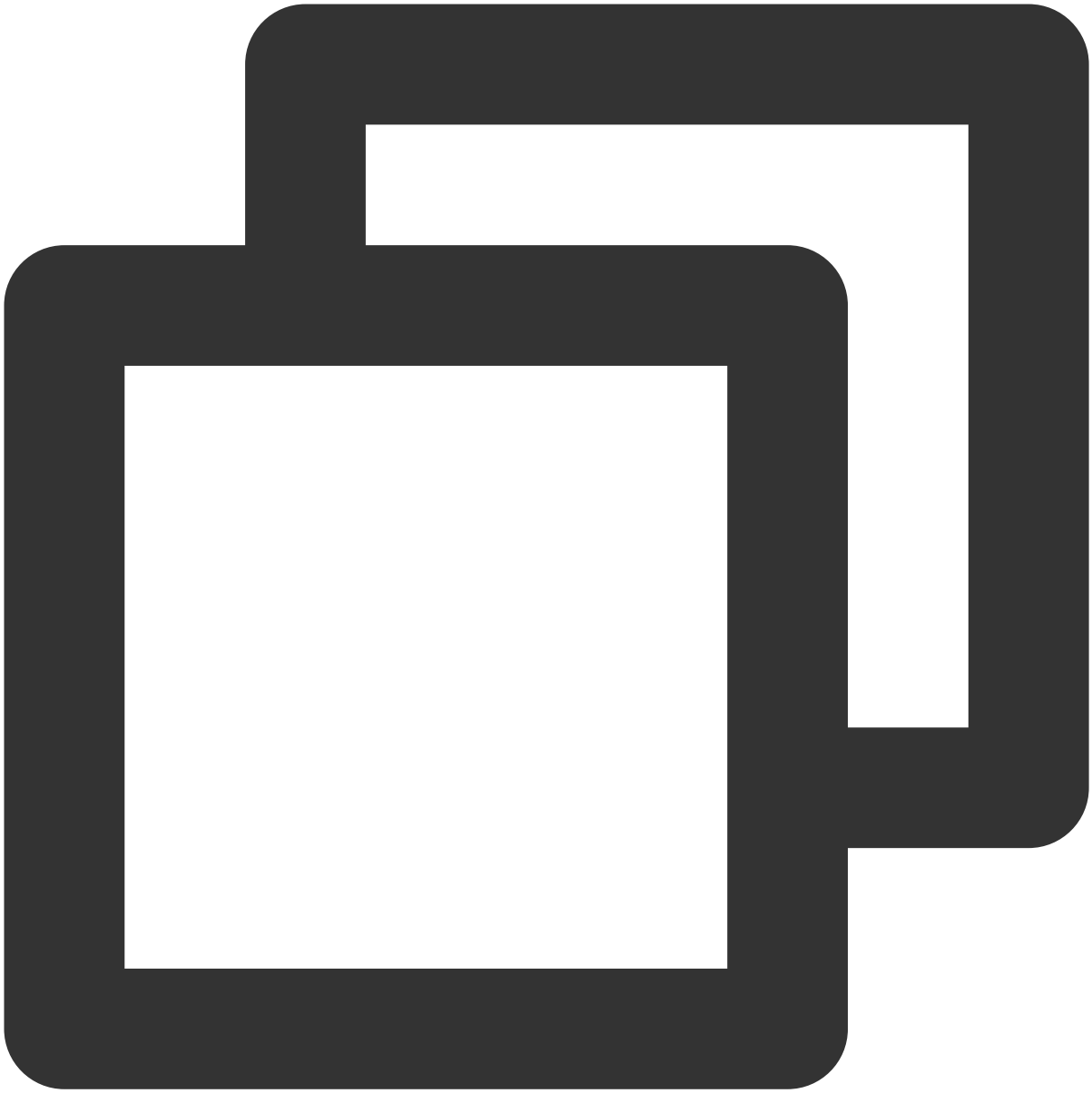
Restrictions

Supported file quantity: At most 10,000 files can be zipped.
Supported file size: The total size of the compressed file is less than 50 GB.
Calling the API requires a signature. For more information, see Request Signature.
This API can be used in Beijing, Shanghai, Guangzhou, Chengdu, Hong Kong (China), Singapore, and Silicon Valley regions.

Request

Sample request

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```
POST /file_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (For more information, see Request Signature.)

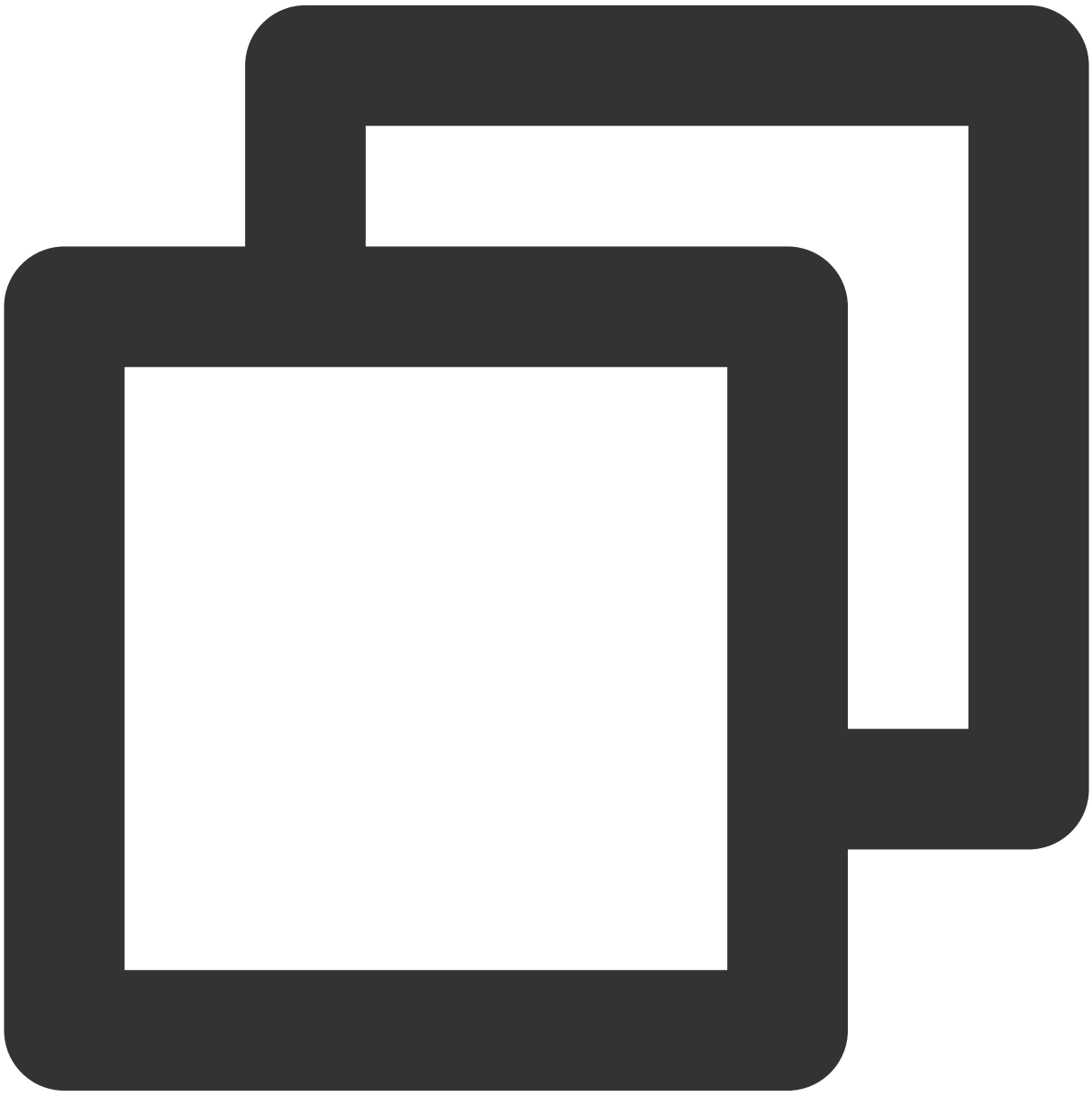
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>FileCompress</Tag>
    <Operation>
        <FileCompressConfig>
            <Prefix>test/</Prefix>
            <Format>zip</Format>
            <Flatten>0</Flatten>
        </FileCompressConfig>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-1234567890</Bucket>
            <Object>output/test.zip</Object>
        </Output>
        <UserData>This is my data.</UserData>
    </Operation>
    <QueueId>p2911917386e148639319e13c285cc774</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type. It is `FileCompress` for multi-file zipping by default.	String	Yes
Operation	Request	File zipping rule.	Container	Yes
QueueId	Request	ID of the queue where the job is in	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default). It takes priority over that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default) or `TDMQ`. It takes priority over that of the queue.	String	No

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CallBack	Request	Job callback address. It takes higher priority over that of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure > CallBackMqConfig, which is required if `CallBackType` is `TDMQ`.	Container	No

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
FileCompressConfig	Request.Operation	File zipping rule	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
Output	Request.Operation	Address where the compressed file is stored	Container	Yes

`FileCompressConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Flatten	Request.Operation.FileCompressConfig	Whether to remove the directory structure of the original file during file zipping. Valid values: - `0`: No. After file zipping, the original directory structure is retained. - `1`: Yes. After file zipping, the original directory structure is removed and all files are at the same level. Assume that the original file URL is `https://domain/source/test.mp4` and the original file directory is `source/test.mp4`. If this parameter is set to `1`, the file directory in the ZIP file is `test.mp4`. If this parameter is set to `0`, the file directory in the ZIP file is `source/test.mp4`.	String

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Format	Request.Operation.FileCompressConfig	Zipping type. Valid values: `zip`, `tar`, `tar.gz`	String
UrlList	Request.Operation.FileCompressConfig	Files to be zipped can be sorted into an index file. The backend zips the files into a compressed file according to the file URL provided in the index file. The index file must be saved in the current bucket, and this field must provide the object address of the index file, for example, `/test/index.csv`. Index file format: Only CVS files in which one URL occupies one row (only files in the bucket are supported) are supported. If there are multiple columns, the first column is used as the URL by default. The number of files cannot exceed 10,000 and the total size cannot exceed 50 GB. Otherwise, the job will fail.	String
Prefix	Request.Operation.FileCompressConfig	Files with a specified prefix in the bucket can be zipped. To zip files in a specified directory, add / to the directory. For example, to zip files in the `test` directory, set this parameter to `test/`. The number of files cannot exceed 10,000 and the total size cannot exceed 50 GB. Otherwise, the job will fail.	String
Key	Request.Operation.FileCompressConfig	Multiple files in the bucket can be zipped. The number of files cannot exceed 1,000 and the total size cannot exceed 50 GB. Otherwise, the job will fail.	String array

Note:

Only one of UrlList, Prefix, and Key can be selected. They cannot all be empty or do not take effect at the same time. If multiple parameters are specified, the parameter with the highest priority prevails according to the priority UrlList > Prefix > Key.

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Bucket where the compressed file	String	Yes

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		is stored		
Object	Request.Operation.Output	Name of the compressed file	String	Yes

Response

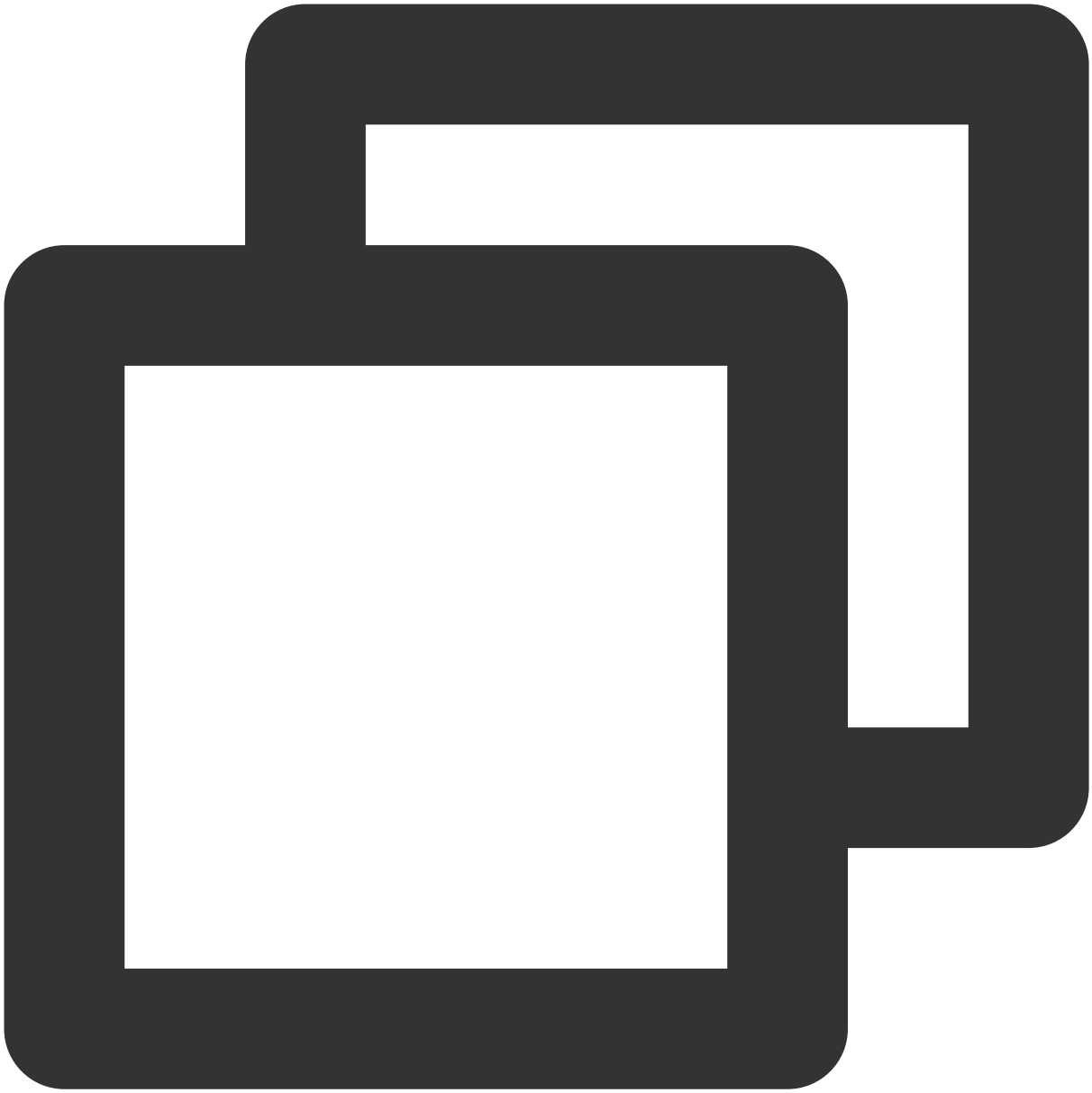
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileCompress</Tag>
```

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```
        <Operation>
            <FileCompressConfig>
                <Prefix>test/</Prefix>
                <Format>zip</Format>
                <Flatten>0</Flatten>
            </FileCompressConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
                <Object>output/test.zip</Object>
            </Output>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type. It is `FileCompress` for multi-file zipping by default.	String
State	Response.JobsDetail	Job status. Valid values: `Submitted` (submitted), `Running` (running), `Success` (successful),	String

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		`Failed` (failed), `Pause` (paused), `Cancel` (canceled)	
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue where the job is in	String
Operation	Response.JobsDetail	Multi-file zipping rule	Container

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
UserData	Response.JobsDetail.Operation	The user information passed through.
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.
FileCompressConfig	Response.JobsDetail.Operation	Same as `Request.Operation.FileCompressConfig` in the request.
FileCompressResult	Response.JobsDetail.Operation	Multi-file zipping result, which will not be returned when the job is not completed.

`FileCompressResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Operation.FileCompressResult	Region of the bucket where the compressed file is stored	String
Bucket	Response.JobsDetail.Operation.FileCompressResult	Bucket where the compressed file is stored	String
Object	Response.JobsDetail.Operation.FileCompressResult	Name of the compressed file	String

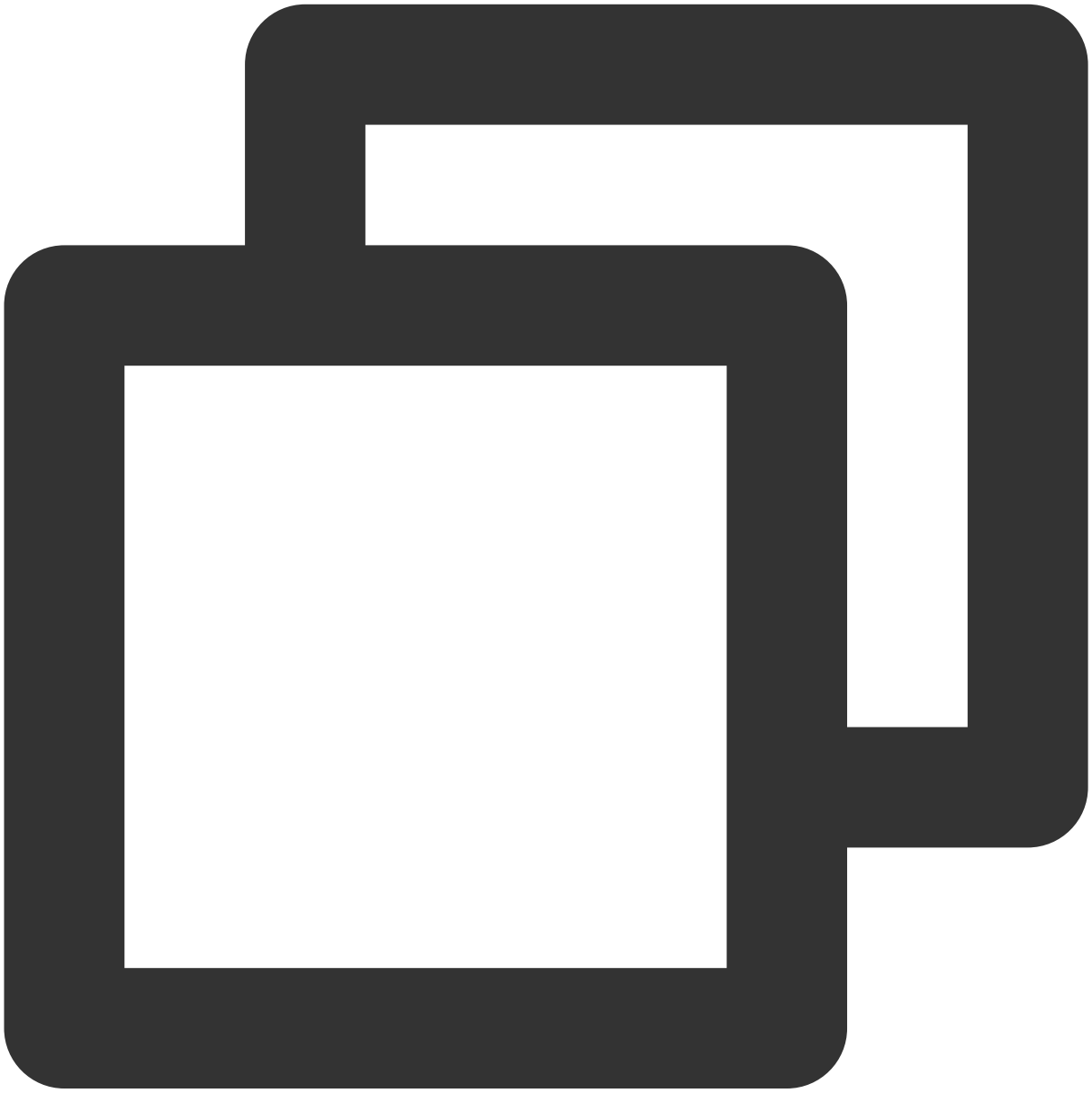
Error codes

There are no specific error messages for this request operation. For common error messages, see Error Codes.

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Examples

Request



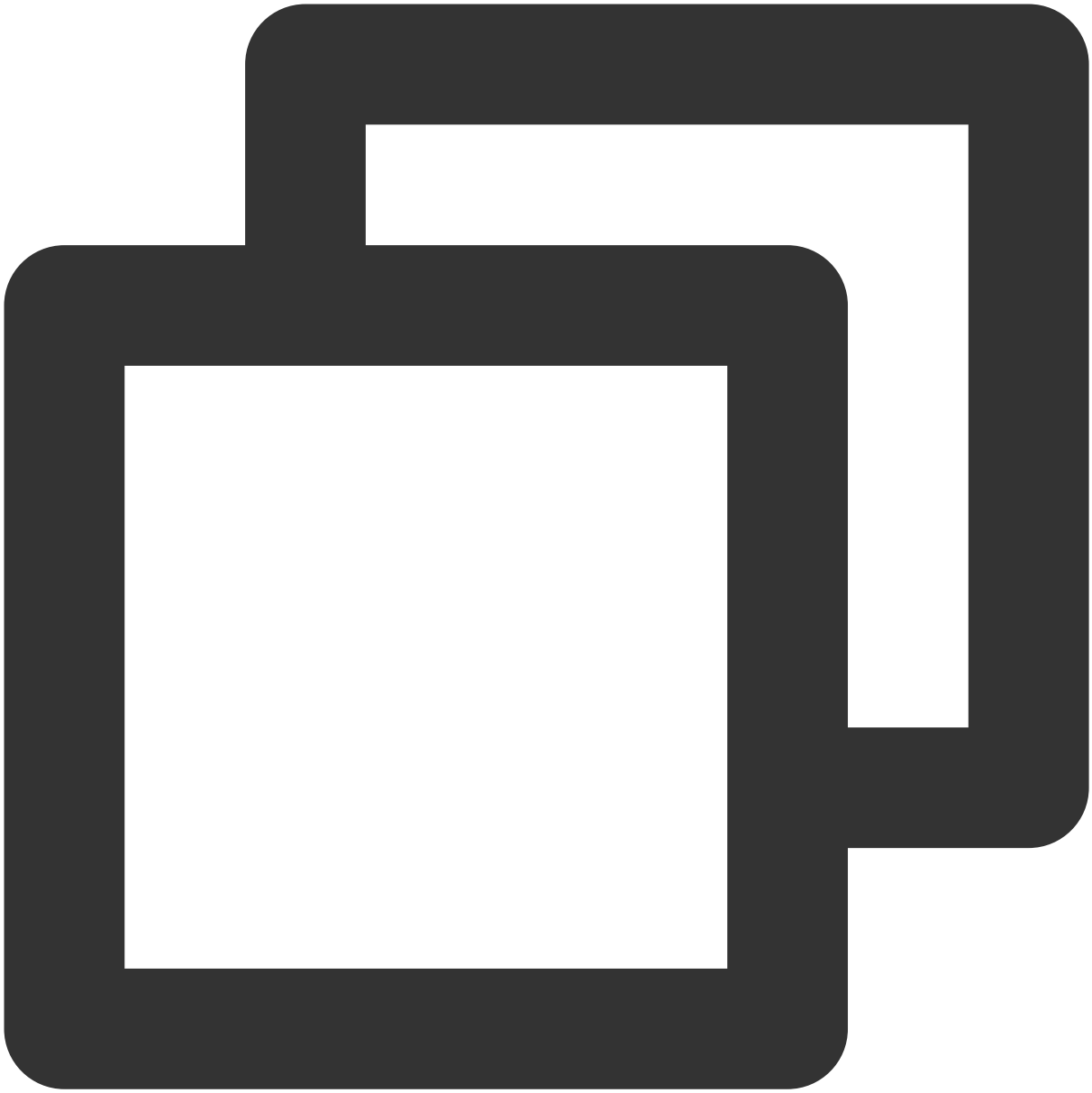
```
POST /file_jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml
```

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```
<Request>
    <Tag>FileCompress</Tag>
    <Operation>
        <FileCompressConfig>
            <Prefix>test/</Prefix>
            <Format>zip</Format>
            <Flatten>0</Flatten>
        </FileCompressConfig>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-1234567890</Bucket>
            <Object>output/test.zip</Object>
        </Output>
        <UserData>This is my data.</UserData>
    </Operation>
    <QueueId>p2911917386e148639319e13c285cc774</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileCompress</Tag>
        <Operation>
            <FileCompressConfig>
                <Prefix>test/</Prefix>
                <Format>zip</Format>
                <Flatten>0</Flatten>
            </FileCompressConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
                <Object>output/test.zip</Object>
            </Output>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

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Querying Multi-File Zipping Result

Last updated：2024-02-19 16:02:57

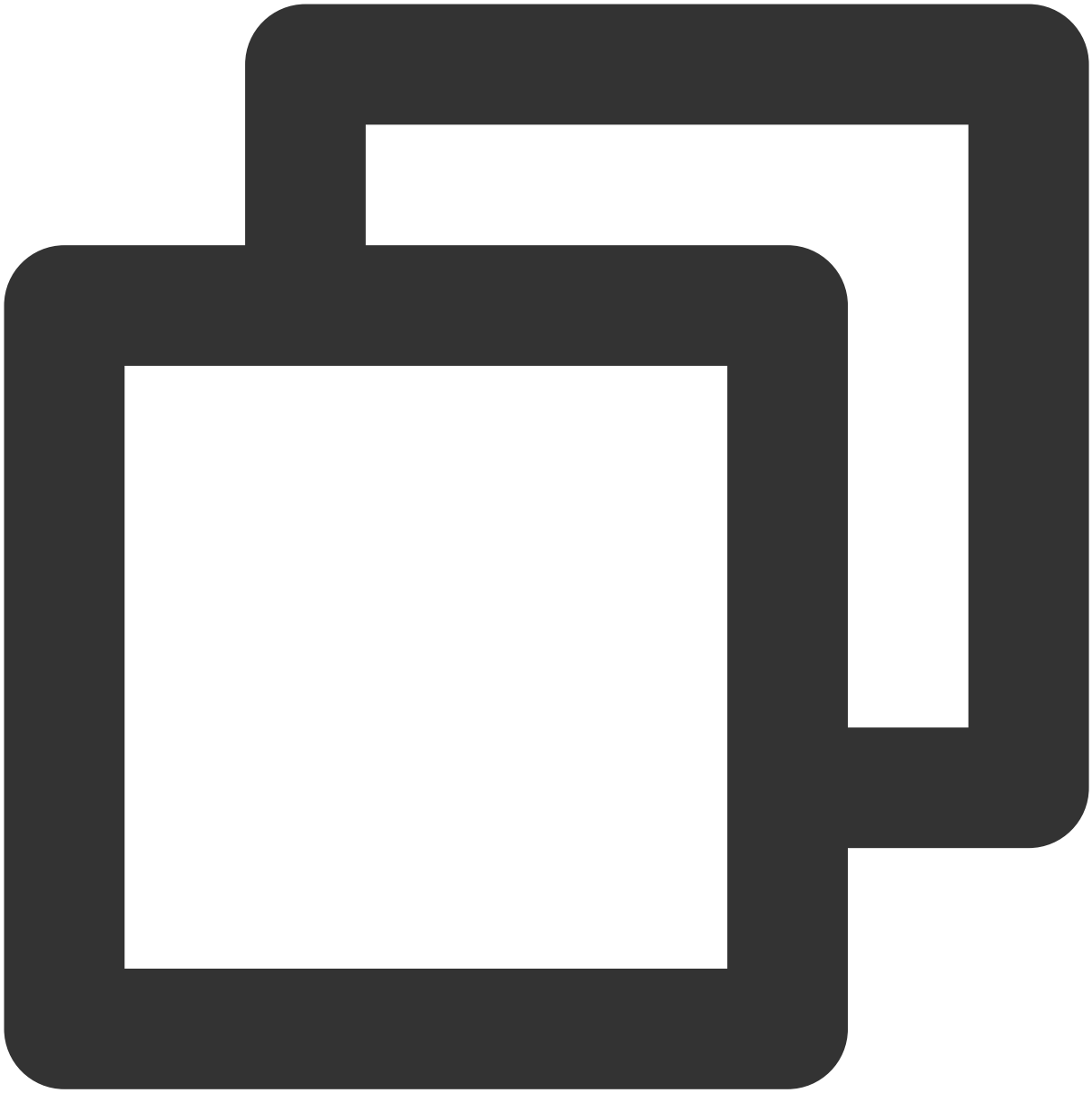
Overview

This API is used to query the result of a specified multi-file zipping job.

Request

Sample request

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```
GET /file_jobs/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (For more information, see Request Signature.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses Common Request Headers.

Request body

This request does not have a request body.

Response

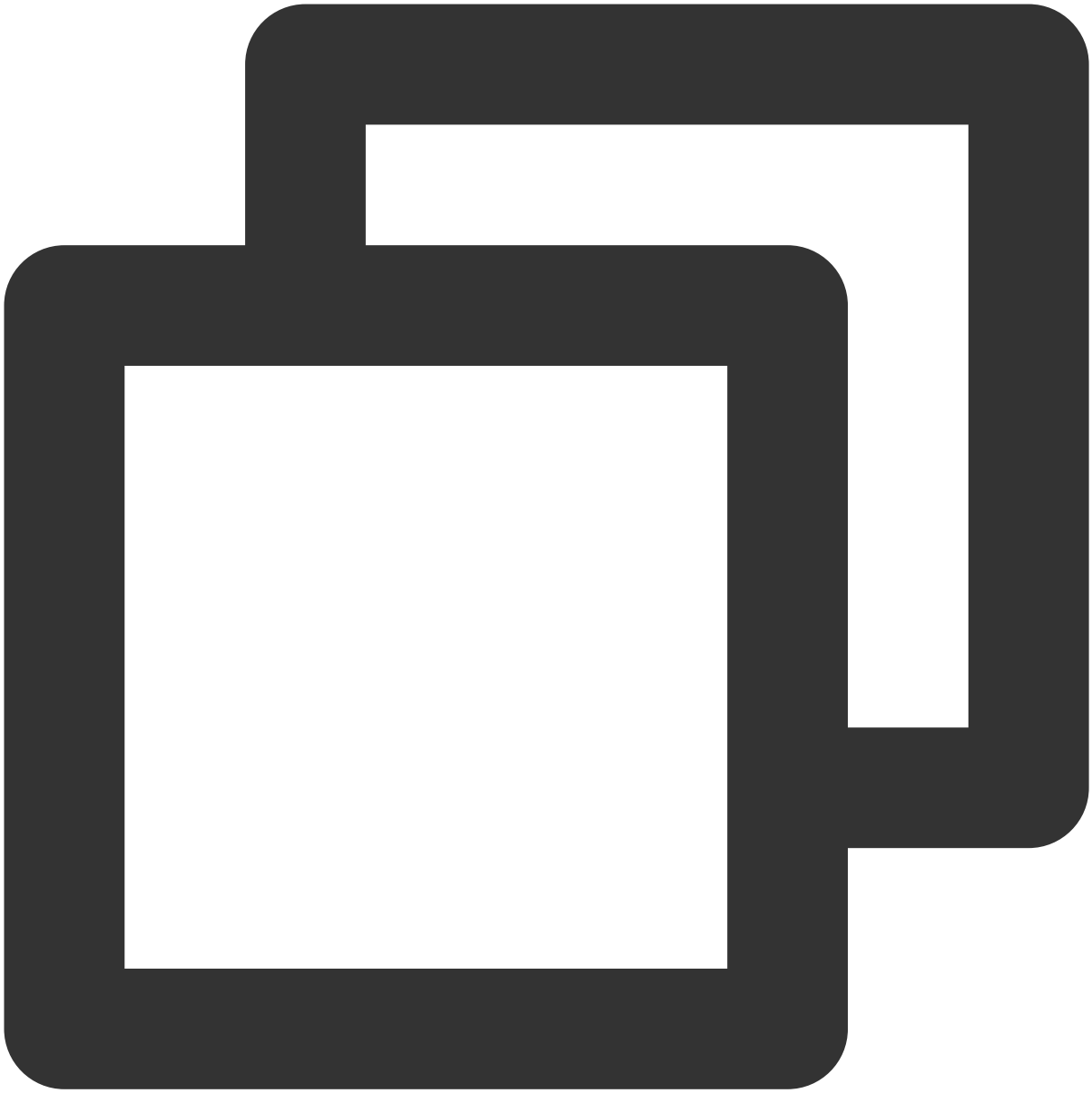
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileCompress</Tag>
```

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```
        <Operation>
            <FileCompressConfig>
                <Prefix>test/</Prefix>
                <Format>zip</Format>
                <Flatten>0</Flatten>
            </FileCompressConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
                <Object>output/test.zip</Object>
            </Output>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node is not returned.	String

For specific parameter values, see `JobsDetail` in Multi-File Zipping.

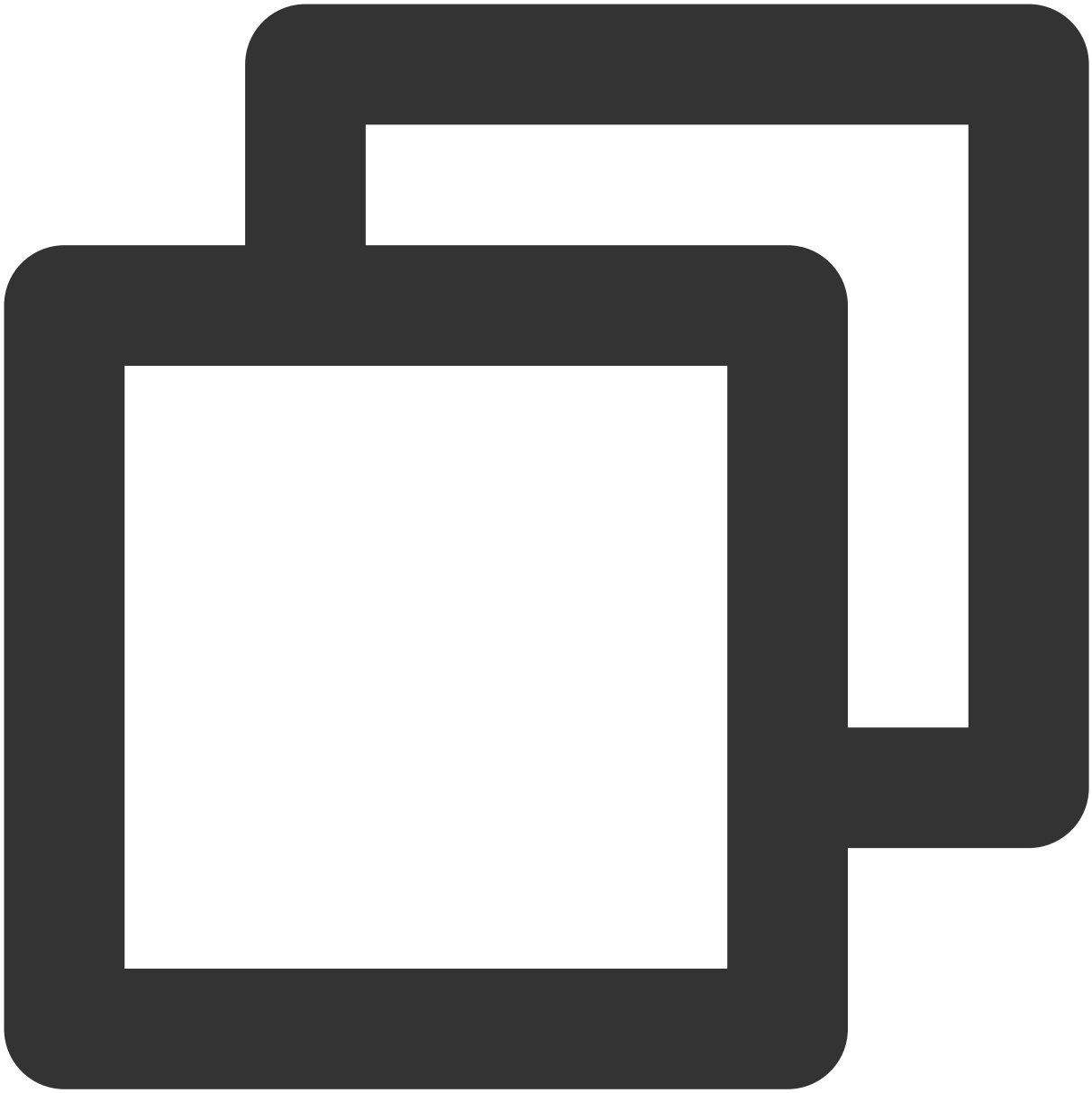
Error codes

No special error message will be returned for this request. For the common error messages, see Error Codes.

Examples

Request

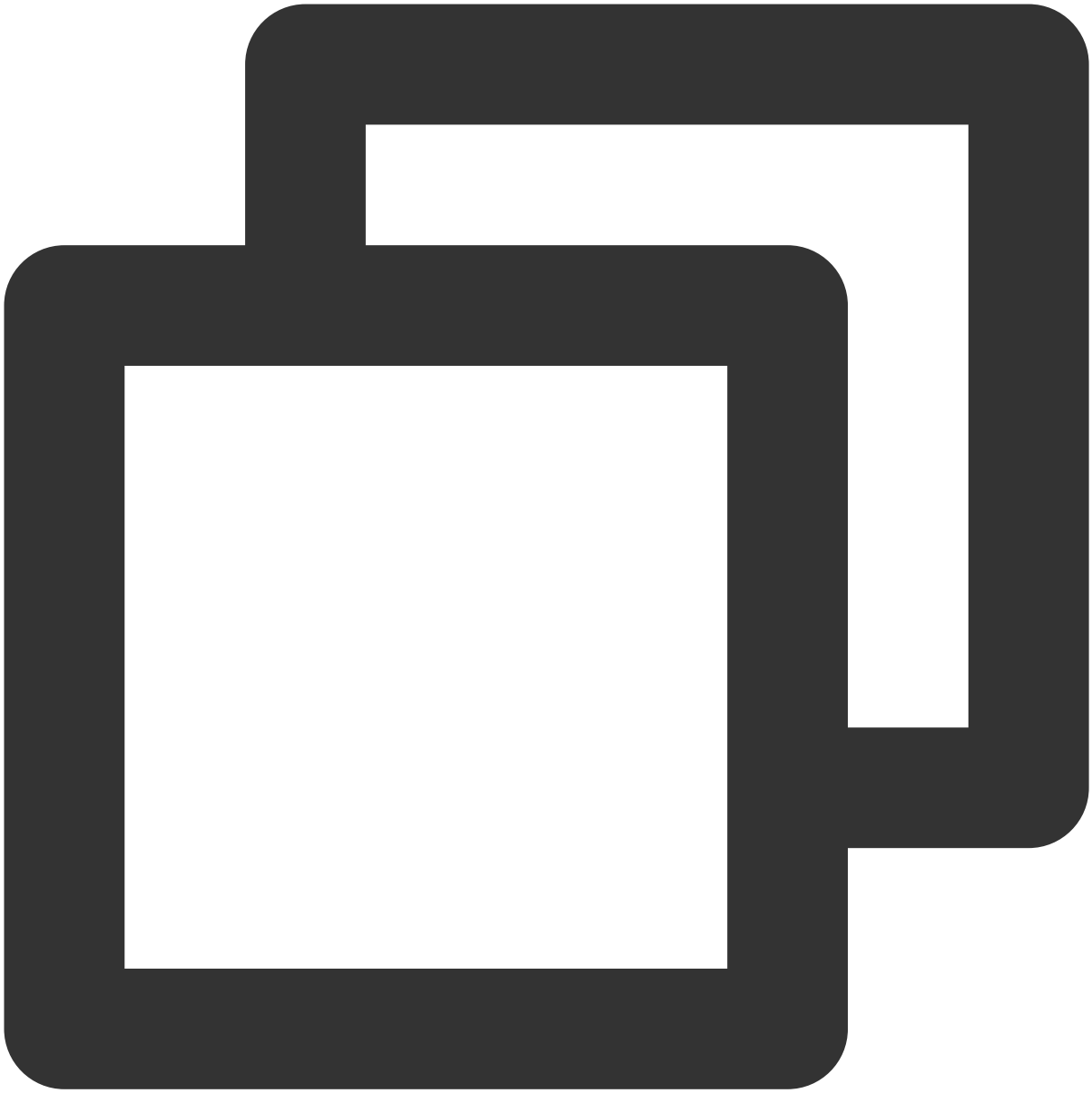
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```
GET /file_jobs/f93984788066911ed89ed352d4d9d2084 HTTP/1.1
Accept: */*
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>f93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>FileCompress</Tag>
        <Operation>
            <FileCompressConfig>
                <Prefix>test/</Prefix>
                <Format>zip</Format>
                <Flatten>0</Flatten>
            </FileCompressConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
                <Object>output/test.zip</Object>
            </Output>
            <UserData>This is my data.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

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Job and Workflow
Workflow APIs
Create a workflow

Last updated：2024-02-27 15:15:38

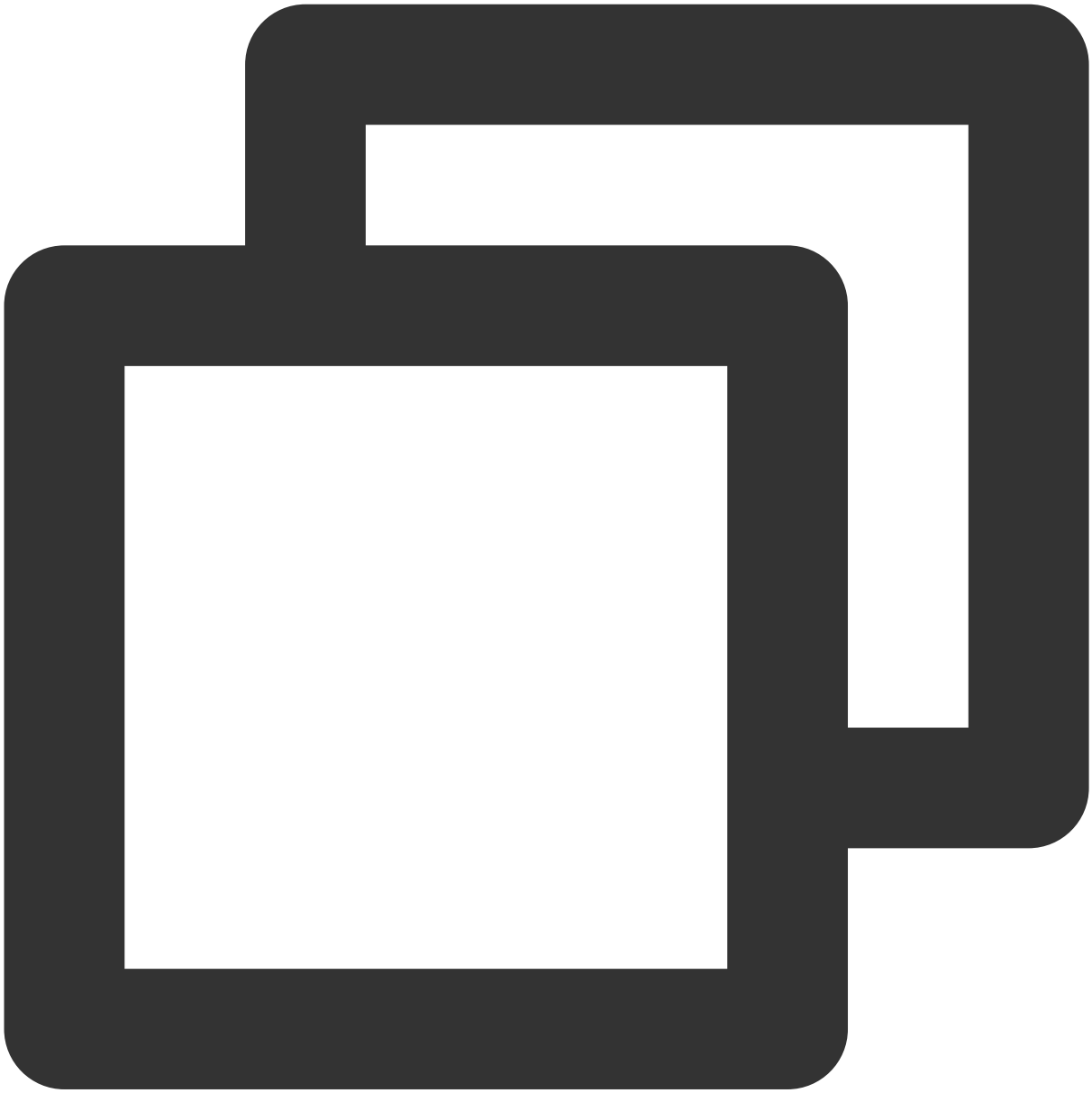
Overview

Create a workflow

Request

Sample request

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```
POST /workflow HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

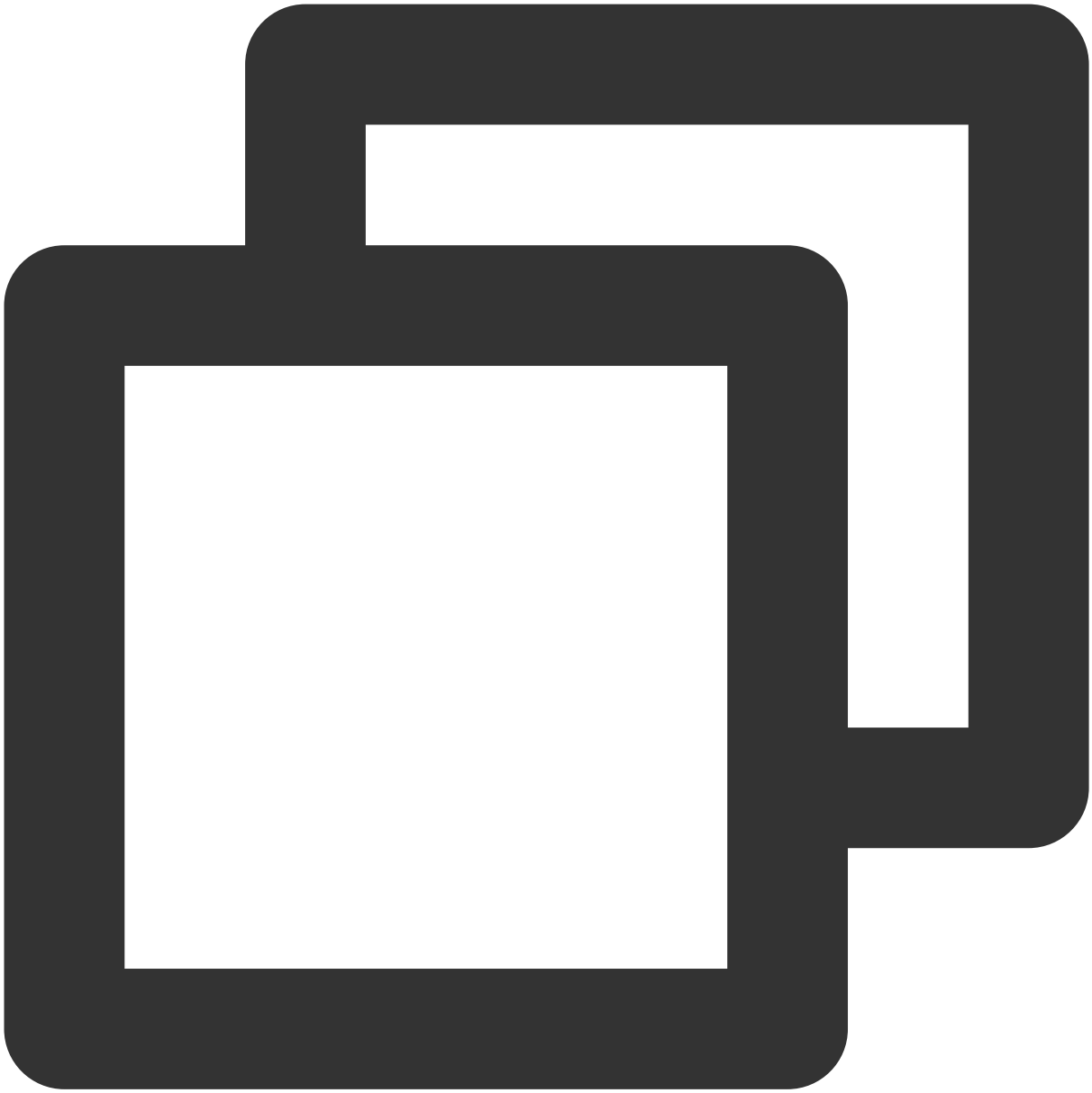
This request requires the following request body:

Request body 1

Request body 2

Screen capturing and transcoding the input video file, performing remuxing and intelligent thumbnail generation on the output file, and then performing image processing on the generated thumbnail.

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```
<Request>
    <MediaWorkflow>
        <Name>workflow-1</Name>
        <State>Active</State>
        <Topology>
            <Dependencies>
                <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
                <Snapshot_1581665960536>End</Snapshot_1581665960536>
                <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
                <Segment_15816659605667>End</Segment_15816659605667>
                <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
```

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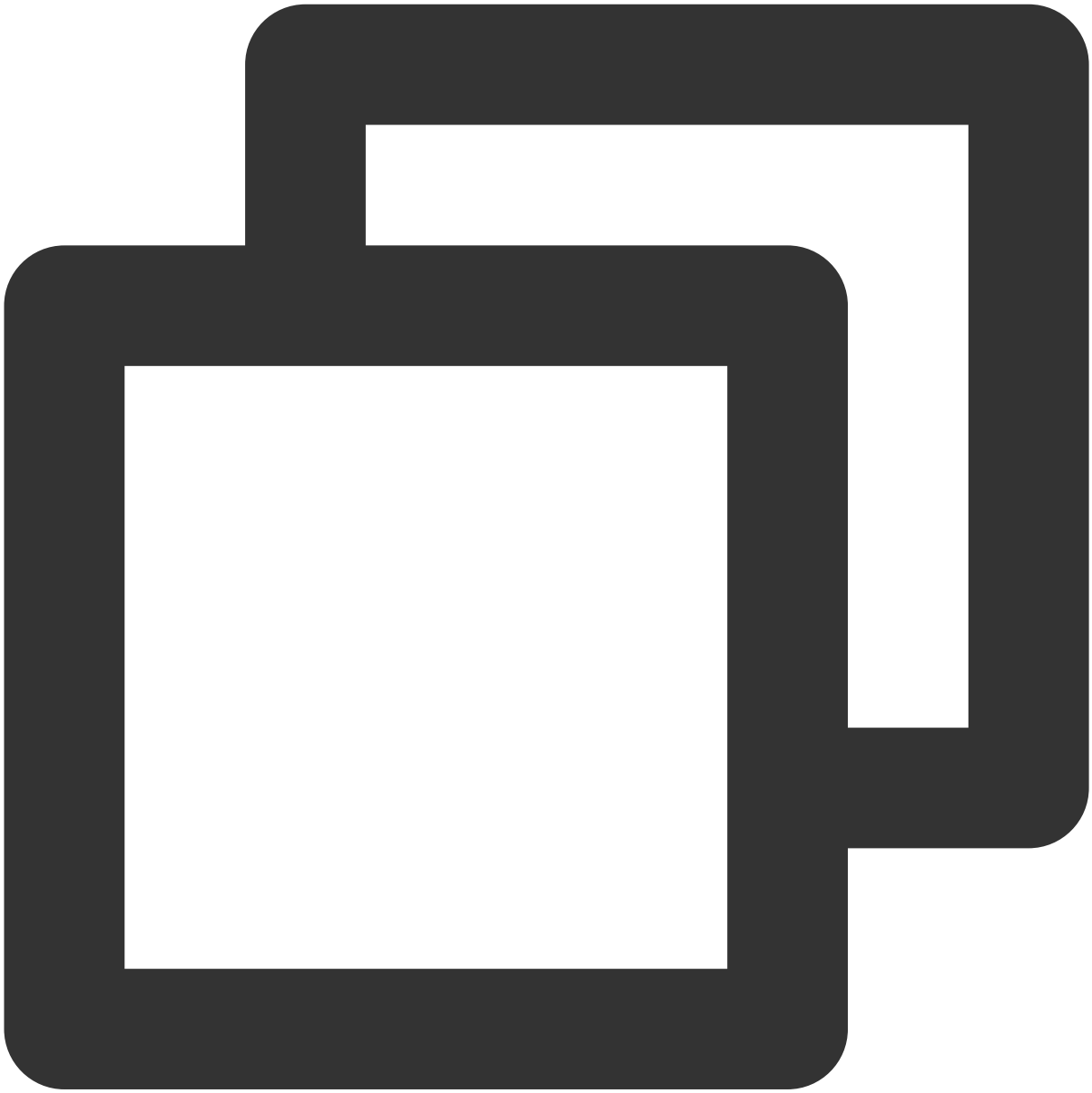
```
            <PicProcess_15816659605668>End</PicProcess_15816659605668>
        </Dependencies>
        <Nodes>
            <Start>
                <Type>Start</Type>
                <Input>
                    <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                    <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                    <ObjectPrefix>input/workflow-1</ObjectPrefix>
                    <NotifyConfig>
                        <State>On</State>
                        <Url>http://www.callback.com</Url>
                        <Event>TaskFinish,WorkflowFinish</Event>
                        <Type>Url</Type>
                        <ResultFormat>JSON</ResultFormat>
                    </NotifyConfig>
                    <ExtFilter>
                        <State>On</State>
                        <Video>true</Video>
                        <Audio>false</Audio>
                        <Image>false</Image>
                        <Custom>false</Custom>
                        <AllFile>false</AllFile>
                    </ExtFilter>
                </Input>
            </Start>
            <Snapshot_1581665960536>
                <Type>Snapshot</Type>
                <Operation>
                    <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                        <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                    </Output>
                </Operation>
            </Snapshot_1581665960536>
            <Transcode_1581665960538>
                <Type>Transcode</Type>
                <Operation>
                    <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>bcd/${RunId}/trans.{Ext}</Object>
                    </Output>
```

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```
                    </Operation>
                </Transcode_1581665960538>
                <Segment_15816659605667>
                    <Type>Segment</Type>
                    <Operation>
                        <Segment>
                            <Format>mkv</Format>
                            <Duration>20</Duration>
                        </Segment>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>test-trans${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </Segment_15816659605667>
                <SmartCover_1581665960539>
                    <Type>SmartCover</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </SmartCover_1581665960539>
                <PicProcess_15816659605668>
                    <Type>PicProcess</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
        </Topology>
    </MediaWorkflow>
</Request>
```

Adaptive bitrate streaming

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```
<Request>
    <MediaWorkflow>
        <Name>workflow-2</Name>
        <State>Active</State>
        <Topology>
            <Dependencies>
                <Start>StreamPackConfig_1581665960532</Start>
                <StreamPackConfig_1581665960532>VideoStream_1581665960536,VideoStre
                <VideoStream_1581665960536>StreamPack_1581665960538</VideoStream_15
                <VideoStream_1581665960537>StreamPack_1581665960538</VideoStream_15
                <StreamPack_1581665960538>End</StreamPack_1581665960538>
```

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```
        </Dependencies>
        <Nodes>
            <Start>
                <Type>Start</Type>
                <Input>
                    <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                    <ObjectPrefix>input/workflow-2</ObjectPrefix>
                    <NotifyConfig>
                        <State>On</State>
                        <Url>http://www.callback.com</Url>
                        <Event>TaskFinish,WorkflowFinish</Event>
                        <Type>Url</Type>
                        <ResultFormat>JSON</ResultFormat>
                    </NotifyConfig>
                    <ExtFilter>
                        <State>On</State>
                        <Video>true</Video>
                        <Audio>false</Audio>
                        <Image>false</Image>
                        <Custom>false</Custom>
                        <AllFile>false</AllFile>
                    </ExtFilter>
                </Input>
            </Start>
            <StreamPackConfig_1581665960532>
                <Type>StreamPackConfig</Type>
                <Operation>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>${InputPath}/${InputName}._${RunId}.${ext}</Obj
                    </Output>
                    <StreamPackConfig>
                        <PackType>HLS</PackType>
                        <IgnoreFailedStream>true</IgnoreFailedStream>
                    </StreamPackConfig>
                </Operation>
            </StreamPackConfig_1581665960532>
            <VideoStream_1581665960536>
                <Type>VideoStream</Type>
                <Operation>
                    <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>${RunId}_Substream_1/video.m3u8</Object>
                    </Output>
```

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```
                    </Operation>
                </VideoStream_1581665960536>
                <VideoStream_1581665960537>
                    <Type>VideoStream</Type>
                    <Operation>
                        <TemplateId>t1460606bgfdg2148c4ab182f55163ba7bj</TemplateId
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${RunId}_Substream_2/video.m3u8</Object>
                        </Output>
                    </Operation>
                </VideoStream_1581665960537>
                <StreamPack_1581665960538>
                    <Type>StreamPack</Type>
                    <Operation>
                        <StreamPackInfo>
                            <VideoStreamConfig>
                                <VideoStreamName>VideoStream_1581665960536</VideoSt
                                <BandWidth>200000000</BandWidth>
                            </VideoStreamConfig>
                            <VideoStreamConfig>
                                <VideoStreamName>VideoStream_1581665960537</VideoSt
                                <BandWidth>200000000</BandWidth>
                            </VideoStreamConfig>
                        </StreamPackInfo>
                    </Operation>
                </StreamPack_1581665960538>
            </Nodes>
        </Topology>
    </MediaWorkflow>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
MediaWorkflow	Request	Workflow node	Container	Yes

`MediaWorkflow` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Name	Request.MediaWorkflow	Workflow name	String	Yes	The value can be up to 128 characters in length and contain Chinese characters, letters, digits, dashes (-), and underscores (_).
State	Request.MediaWorkflow	Workflow status	String	No	Paused/Active
Topology	Request.MediaWorkflow	Topology information	Container	Yes	None

`Topology` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraint
Dependencies	Request.MediaWorkflow.Topology	Node dependencies.	Container	Yes	None
Nodes	Request.MediaWorkflow.Topology	Node list.	Container	Yes	None

`Nodes` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Require
Start	Request.MediaWorkflow.Topology.Nodes	Start node	Container	Support
Animation_***	Request.MediaWorkflow.Topology.Nodes	Animated image type node	Container	No
Snapshot_***	Request.MediaWorkflow.Topology.Nodes	Screenshot type node	Container	No

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SmartCover_***	Request.MediaWorkflow.Topology.Nodes	Intelligent thumbnail node	Container	No
Transcode_***	Request.MediaWorkflow.Topology.Nodes	Transcoding node	Container	No
Concat_***	Request.MediaWorkflow.Topology.Nodes	Audio/Video splicing node	Container	No
VoiceSeparate_***	Request.MediaWorkflow.Topology.Nodes	Voice/Sound separation node	Container	No
VideoMontage_***	Request.MediaWorkflow.Topology.Nodes	Video montage node	Container	No
StreamPackConfig_***	Request.MediaWorkflow.Topology.Nodes	Adaptive bitrate streaming node	Container	No

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VideoStream_***	Request.MediaWorkflow.Topology.Nodes	Video substream node	Container	No
StreamPack_***	Request.MediaWorkflow.Topology.Nodes	Adaptive bitrate streaming packaging node	Container	No
SDRtoHDR_***	Request.MediaWorkflow.Topology.Nodes	SDR-to-HDR node	Container	No
VideoProcess_***	Request.MediaWorkflow.Topology.Nodes	Video processing node	Container	No
SCF_***	Request.MediaWorkflow.Topology.Nodes	SCF function node	Container	No

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SuperResolution_***	Request.MediaWorkflow.Topology.Nodes	Super resolution node	Container	No
Segment_***	Request.MediaWorkflow.Topology.Nodes	Audio/Video remuxing node	Container	No
PicProcess_***	Request.MediaWorkflow.Topology.Nodes	Image processing node	Container	No
Tts_***	Request.MediaWorkflow.Topology.Nodes	Text-to-speech node	Container	No
SpeechRecognition_***	Request.MediaWorkflow.Topology.Nodes	Speech recognition node	Container	No
VideoEnhance_***	Request.MediaWorkflow.Topology.Nodes	Video enhancement node	Container	No
Condition_***	Request.MediaWorkflow.Topology.Nodes	Conditional judgment node	Container	No
MediaInfo_***	Request.MediaWorkflow.Topology.Nodes	Media	Container	No

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		information acquisition node		
AIRecognition_***	Request.MediaWorkflow.Topology.Nodes	AI recognition node	Container	No
SegmentVideoBody_***	Request.MediaWorkflow.Topology.Nodes	Video portrait matting node	Container	No

`Start` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.Start	Node type
Input	Request.MediaWorkflow.Topology.Nodes.Start	Input information. For more information, see Structure > MediaWorkflow_Topology_Nodes_Start_Input.

`Animation\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.Animation_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.Animation_***	Operation rule. For more information, se MediaWorkflow_Topology_Nodes_Anim

`Snapshot\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.Snapshot_***	Node type

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Operation	Request.MediaWorkflow.Topology.Nodes.Snapshot_***	Operation rule. For more information, see MediaWorkflow_Topology_Nodes_Snap

SmartCover_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.SmartCover_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.SmartCover_***	Operation rule. For more information, MediaWorkflow_Topology_Nodes_Sn

Transcode_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.Transcode_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.Transcode_***	Operation rule. For more information, se MediaWorkflow_Topology_Nodes_Tra

`Concat\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.Concat_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.Concat_***	Operation rule. For more information, see S MediaWorkflow_Topology_Nodes_Concat

`VoiceSeparate\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.VoiceSeparate_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.VoiceSeparate_***	Operation rule. For more informatio MediaWorkflow_Topology_Nodes_

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`VideoMontage\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.VideoMontage_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.VideoMontage_***	Operation rule. For more informatio MediaWorkflow_Topology_Nodes_

StreamPackConfig_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.StreamPackConfig_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.StreamPackConfig_***	Operation rule. For more inform MediaWorkflow_Topology_Noc

`VideoStream\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.VideoStream_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.VideoStream_***	Operation rule. For more information, MediaWorkflow_Topology_Nodes_V

StreamPack_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.StreamPack_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.StreamPack_***	Operation rule. For more information, MediaWorkflow_Topology_Nodes_Vi

`SDRtoHDR\\_\\*\\*\\*` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.SDRtoHDR_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.SDRtoHDR_***	Operation rule. For more information, s MediaWorkflow_Topology_Nodes_SD

`VideoProcess\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.VideoProcess_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.VideoProcess_***	Operation rule. For more information MediaWorkflow_Topology_Nodes_V

`SCF\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.SCF_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.SCF_***	Operation rule. For more information, see Stru MediaWorkflow_Topology_Nodes_SCF_***_

`SuperResolution\\_\\*\\*\\*` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.SuperResolution_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.SuperResolution_***	Operation rule. For more informat MediaWorkflow_Topology_Nodes

`Segment\\_\\*\\*\\*` has the following sub-nodes:

Node Name	Parent Node	Description

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(Keyword)		
Type	Request.MediaWorkflow.Topology.Nodes.Segment_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.Segment_***	Operation rule. For more information, see MediaWorkflow_Topology_Nodes_Segm

PicProcess_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.PicProcess_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.PicProcess_***	Operation rule. For more information, s MediaWorkflow_Topology_Nodes_Pic

Tts_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.Tts_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.Tts_***	Operation rule. For more information, see Struc MediaWorkflow_Topology_Nodes_Tts_***_Op

SpeechRecognition_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Type	Request.MediaWorkflow.Topology.Nodes.SpeechRecognition_***	Node type
Operation	Request.MediaWorkflow.Topology.Nodes.SpeechRecognition_***	Operation rule. For more inforr MediaWorkflow_Topology_No

VideoEnhance_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Requ

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Type	Request.MediaWorkflow.Topology.Nodes.VideoEnhance_***	Node type	String	Yes
Operation	Request.MediaWorkflow.Topology.Nodes.VideoEnhance_***	Operation rule. For more information, see Structure.	Container	Yes

Condition_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Type	Request.MediaWorkflow.Topology.Nodes.Condition_***	Node type	String	Yes
Operation	Request.MediaWorkflow.Topology.Nodes.Condition_***	Operation rule. For more information, see Structure.	Container	Yes

MediaInfo_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Type	Request.MediaWorkflow.Topology.Nodes.MediaInfo_***	Node type	String	Yes

AIRecognition_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Type	Request.MediaWorkflow.Topology.Nodes.AIRecognition_***	Node type	String	Yes

SegmentVideoBody_*** has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type

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Type	Request.MediaWorkflow.Topology.Nodes.SegmentVideoBody_***	Node type	String
Operation	Request.MediaWorkflow.Topology.Nodes.SegmentVideoBody_***	Operation rule. For more information, see Structure.	Container

The dependencies of workflow nodes are as follows:

Workflow Node Type	Linkable Node Types
Start	Snapshot,Animation,SmartCover,Transcode,Concat,VoiceSeparate,VideoMontage,Stream
Snapshot	PicProcess,SCF,End
Animation	SCF,End
SmartCover	PicProcess,SCF,End
Transcode	Snapshot,Animation,SmartCover,Concat,VideoMontage,SDRtoHDR,VideoProcess,SCF,Se
Concat	Transcode,Snapshot,Animation,SmartCover,SDRtoHDR,VideoProcess,SCF,Segment,Vide
VoiceSeparate	SCF,SpeechRecognition,End
VideoMontage	Snapshot,Animation,SDRtoHDR,VideoProcess,SCF,SuperResolution,VideoEnhance,Segm
StreamPackConfig	VideoStream
VideoStream	StreamPack
StreamPack	End
SDRtoHDR	Transcode,Concat,VideoMontage,VoiceSeparate,SmartCover,Animation,VideoProcess,SC
VideoProcess	Transcode,Concat,VideoMontage,VoiceSeparate,SmartCover,Animation,SDRtoHDR,SCF,
SCF	SDRtoHDR,Snapshot,Transcode,Concat,VideoMontage,VoiceSeparate,SmartCover,Anima
SuperResolution	VideoMontage,Transcode,SmartCover,Animation,Snapshot,SCF,Segment,SDRtoHDR,Vid
Segment	VideoEnhance,SegmentVideoBody, End
PicProcess	SCF,End
Tts	SCF,Transcode,End

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SpeechRecognition	SCF,Tts,End
VideoEnhance	Transcode,VideoMontage,SmartCover,Animation,Snapshot,SCF,Segment,SpeechRecogni
MediaInfo	Condition,End
Condition	Transcode,HighSpeedHd,SuperResolution,VideoProcess,Animation,Snapshot,VideoMonta
AIRecognition	End
SegmentVideoBody	End

Wildcards supported by workflow are as follows:

Wildcard	Description
${InputPath}	Input file path (excluding the filename)
${InputName}	Input filename (excluding the extension)
${InputNameAndExt}	Input filename (including the extension)
${RunId}	Instance ID
${Ext}	Codec extension
${Jobid}	Job ID
${Number}	Product index counting from 0. It is supported only for `Snapshot`, `SmartCover`, and `Segment` nodes.
${Time}	Screenshot time point in milliseconds. It is supported only for the `Snapshot` node.

Response

Response headers

This API only returns Common Response Headers.

Response body

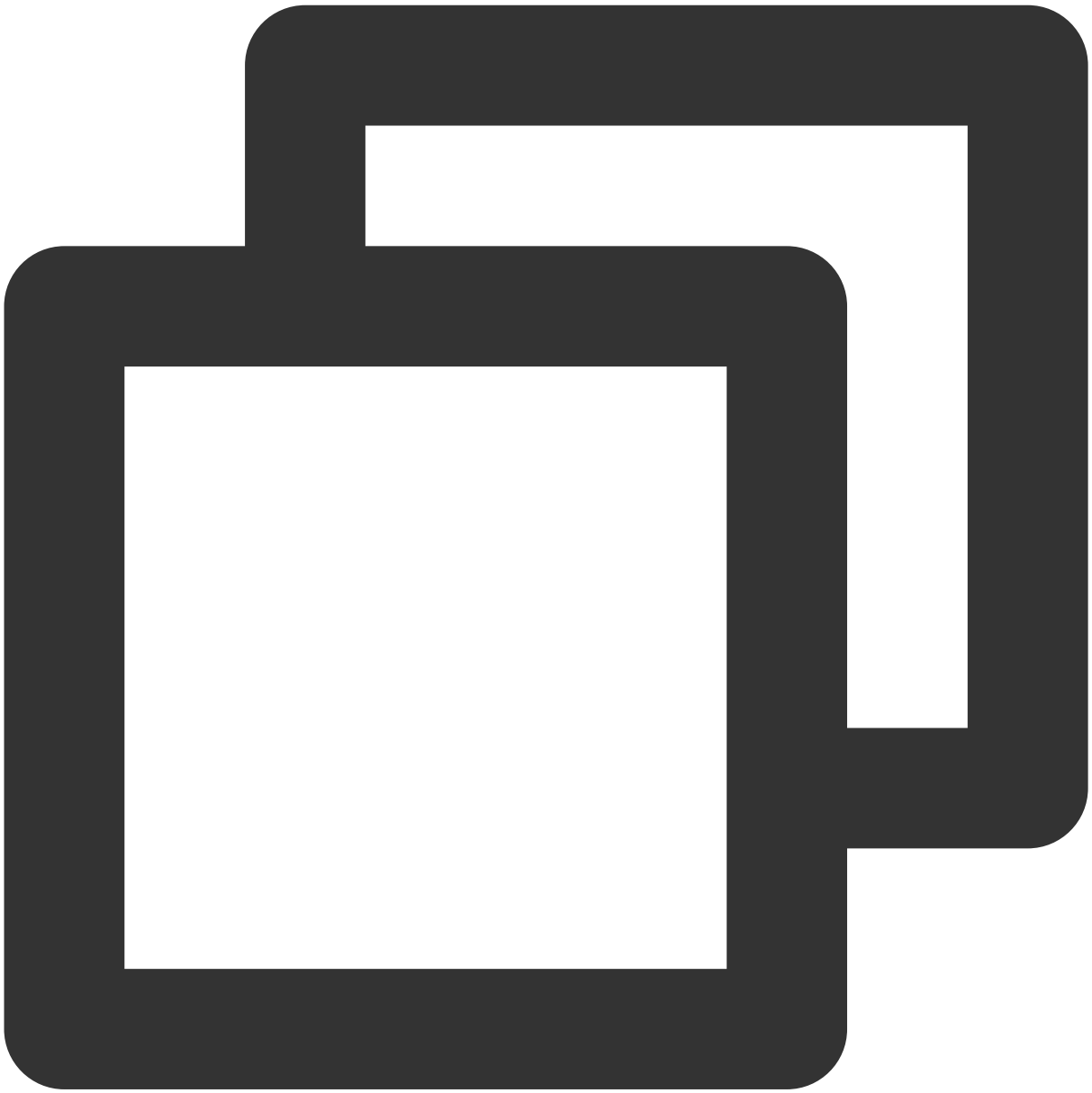
The response body returns **application/xml** data. The following contains all the nodes:

Response body 1

Response body 2

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Screen capturing and transcoding the input video file, performing remuxing and intelligent thumbnail generation on the output file, and then performing image processing on the generated thumbnail.



```
<Response>
    <RequestId>NjJmMWQxYjNfOTBmYTUwNjRfNWYyY18x</RequestId>
    <MediaWorkflow>
        <Name>workflow-1</Name>
        <State>Active</State>
        <WorkflowId>wc666d0b9f9dd47ae9137a096252d49f7</WorkflowId>
        <BucketId>test-1234567890</BucketId>
        <CreateTime>2022-07-14T12:37:28+0800</CreateTime>
```

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```
        <UpdateTime>2022-07-14T12:37:28+0800</UpdateTime>
        <Topology>
            <Dependencies>
                <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
                <Snapshot_1581665960536>End</Snapshot_1581665960536>
                <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
                <Segment_15816659605667>End</Segment_15816659605667>
                <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
                <PicProcess_15816659605668>End</PicProcess_15816659605668>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                        <ObjectPrefix>input/workflow-1</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <Snapshot_1581665960536>
                    <Type>Snapshot</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                            <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                        </Output>
                    </Operation>
                </Snapshot_1581665960536>
                <Transcode_1581665960538>
```

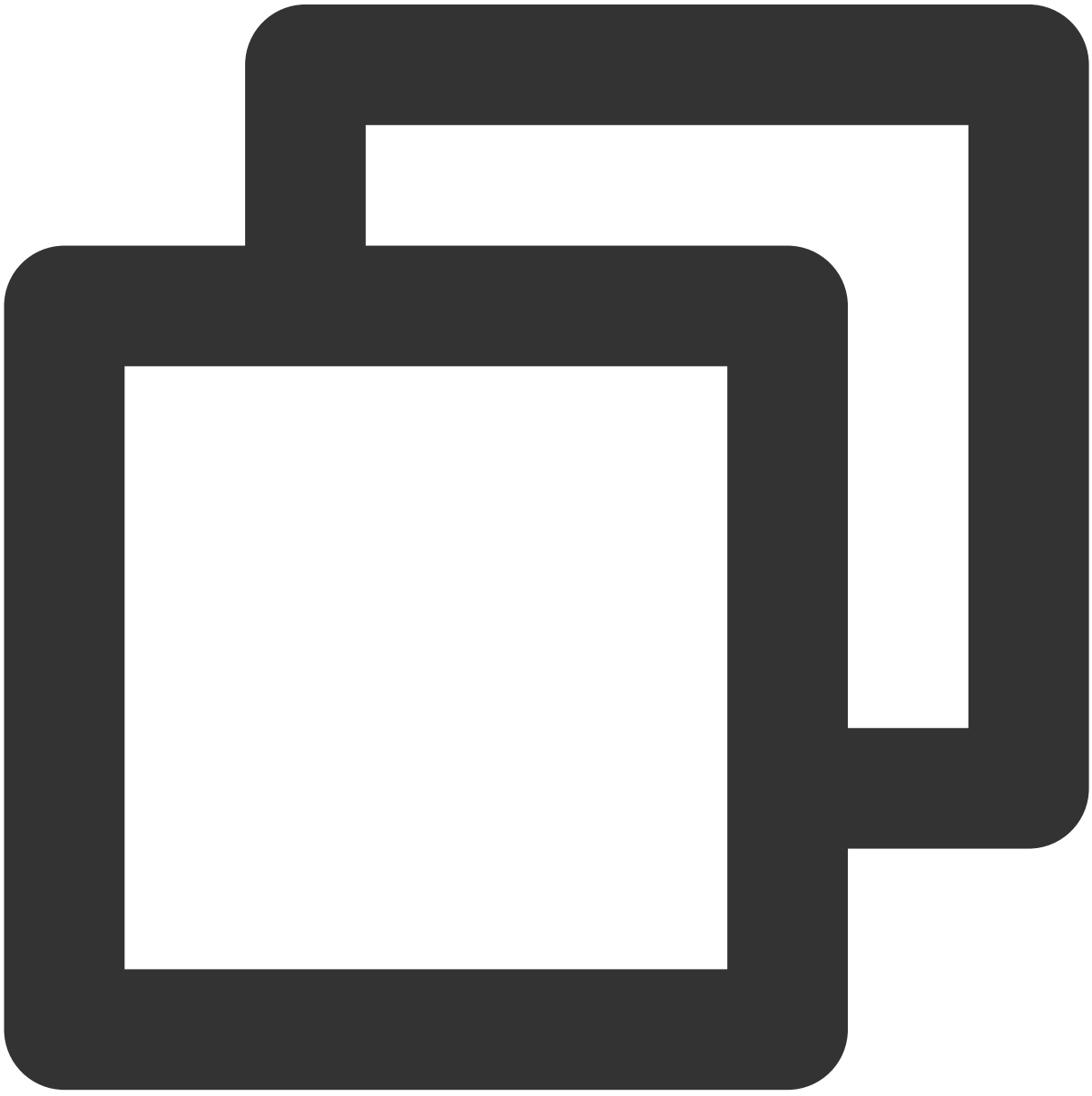
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```
                    <Type>Transcode</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/trans.{Ext}</Object>
                        </Output>
                    </Operation>
                </Transcode_1581665960538>
                <Segment_15816659605667>
                    <Type>Segment</Type>
                    <Operation>
                        <Segment>
                            <Format>mkv</Format>
                            <Duration>20</Duration>
                        </Segment>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>test-trans${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </Segment_15816659605667>
                <SmartCover_1581665960539>
                    <Type>SmartCover</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </SmartCover_1581665960539>
                <PicProcess_15816659605668>
                    <Type>PicProcess</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
```

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```
        </Topology>
    </MediaWorkflow>
</Response>
```

Adaptive bitrate streaming



```
<Response>
    <MediaWorkflow>
        <Name>workflow-2</Name>
        <State>Active</State>
        <WorkflowId>w93aa43ba105347169fa093ed857b2a90</WorkflowId>
        <BucketId>test-1234567890</BucketId>
```

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```
        <CreateTime>2022-07-14T12:37:28+0800</CreateTime>
        <UpdateTime>2022-07-14T12:37:28+0800</UpdateTime>
        <Topology>
            <Dependencies>
                <Start>StreamPackConfig_1581665960532</Start>
                <StreamPackConfig_1581665960532>VideoStream_1581665960536,VideoStre
                <VideoStream_1581665960536>StreamPack_1581665960538</VideoStream_15
                <VideoStream_1581665960537>StreamPack_1581665960538</VideoStream_15
                <StreamPack_1581665960538>End</StreamPack_1581665960538>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <ObjectPrefix>input/workflow-2</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <StreamPackConfig_1581665960532>
                    <Type>StreamPackConfig</Type>
                    <Operation>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${InputPath}/${InputName}._${RunId}.${ext}</Obj
                        </Output>
                        <StreamPackConfig>
                            <PackType>HLS</PackType>
                            <IgnoreFailedStream>true</IgnoreFailedStream>
                        </StreamPackConfig>
                    </Operation>
                </StreamPackConfig_1581665960532>
```

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```
                <VideoStream_1581665960536>
                    <Type>VideoStream</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${RunId}_Substream_1/video.m3u8</Object>
                        </Output>
                    </Operation>
                </VideoStream_1581665960536>
                <VideoStream_1581665960537>
                    <Type>VideoStream</Type>
                    <Operation>
                        <TemplateId>t1460606bgfdg2148c4ab182f55163ba7bj</TemplateId
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${RunId}_Substream_2/video.m3u8</Object>
                        </Output>
                    </Operation>
                </VideoStream_1581665960537>
                <StreamPack_1581665960538>
                    <Type>StreamPack</Type>
                    <Operation>
                        <StreamPackInfo>
                            <VideoStreamConfig>
                                <VideoStreamName>VideoStream_1581665960536</VideoSt
                                <BandWidth>200000000</BandWidth>
                            </VideoStreamConfig>
                            <VideoStreamConfig>
                                <VideoStreamName>VideoStream_1581665960537</VideoSt
                                <BandWidth>200000000</BandWidth>
                            </VideoStreamConfig>
                        </StreamPackInfo>
                    </Operation>
                </StreamPack_1581665960538>
            </Nodes>
        </Topology>
    </MediaWorkflow>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
MediaWorkflow	Response	Workflow array.	Container

`MediaWorkflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Name	Response.MediaWorkflow	Workflow name.	String
WorkflowId	Response.MediaWorkflow	Workflow ID	String
State	Response.MediaWorkflow	Workflow status.	String
CreateTime	Response.MediaWorkflow	Creation time.	String
UpdateTime	Response.MediaWorkflow	Update time.	String
Topology	Response.MediaWorkflow	Topology information, which is the same as `Request.MediaWorkflow.Topology` in the request.	Container

Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request 1

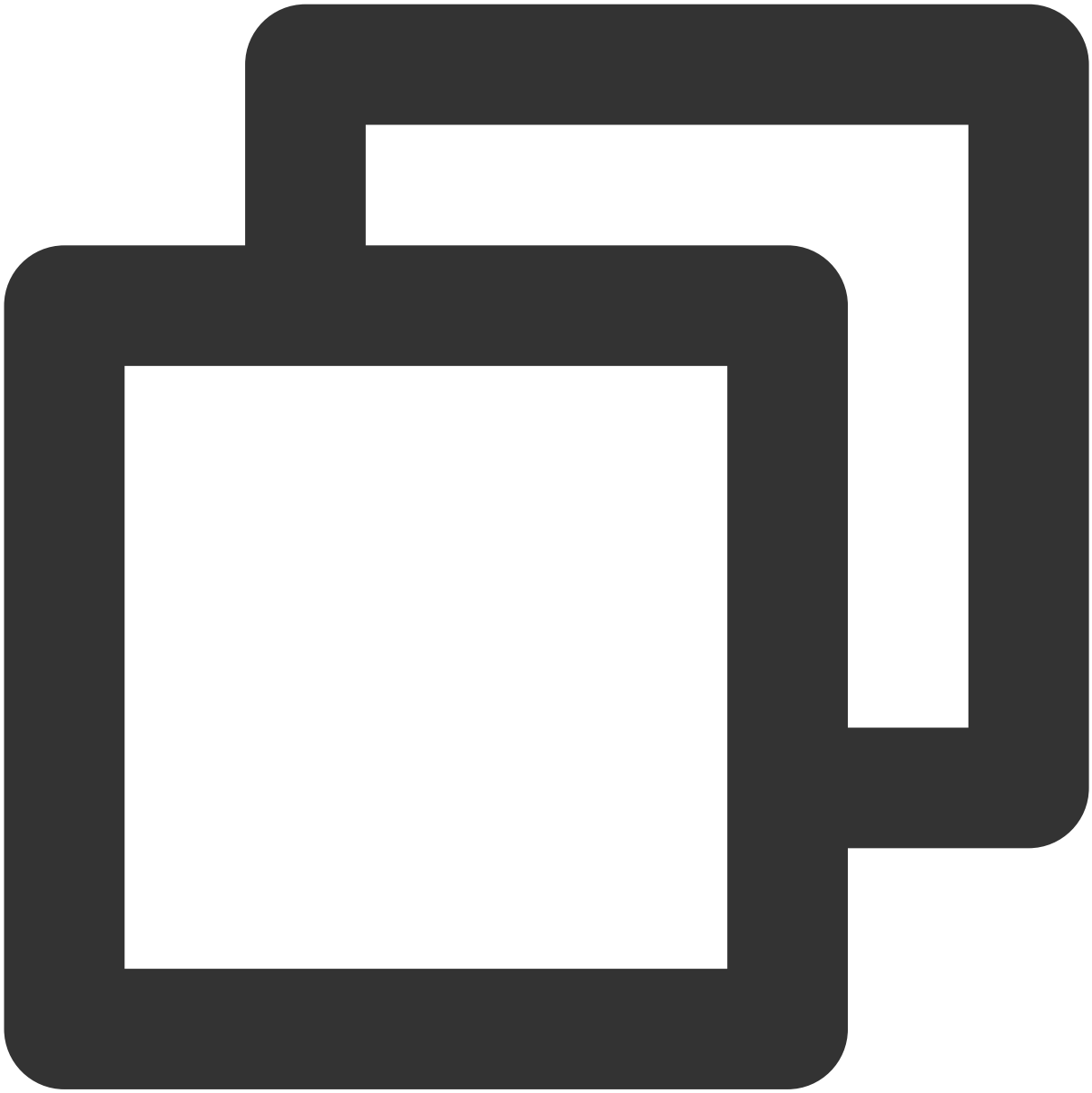
Response 1

Request 2

Response 2

Screen capturing and transcoding the input video file, performing remuxing and intelligent thumbnail generation on the output file, and then performing image processing on the generated thumbnail.

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```
POST /workflow HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <MediaWorkflow>
        <Name>workflow-1</Name>
        <State>Active</State>
        <Topology>
```

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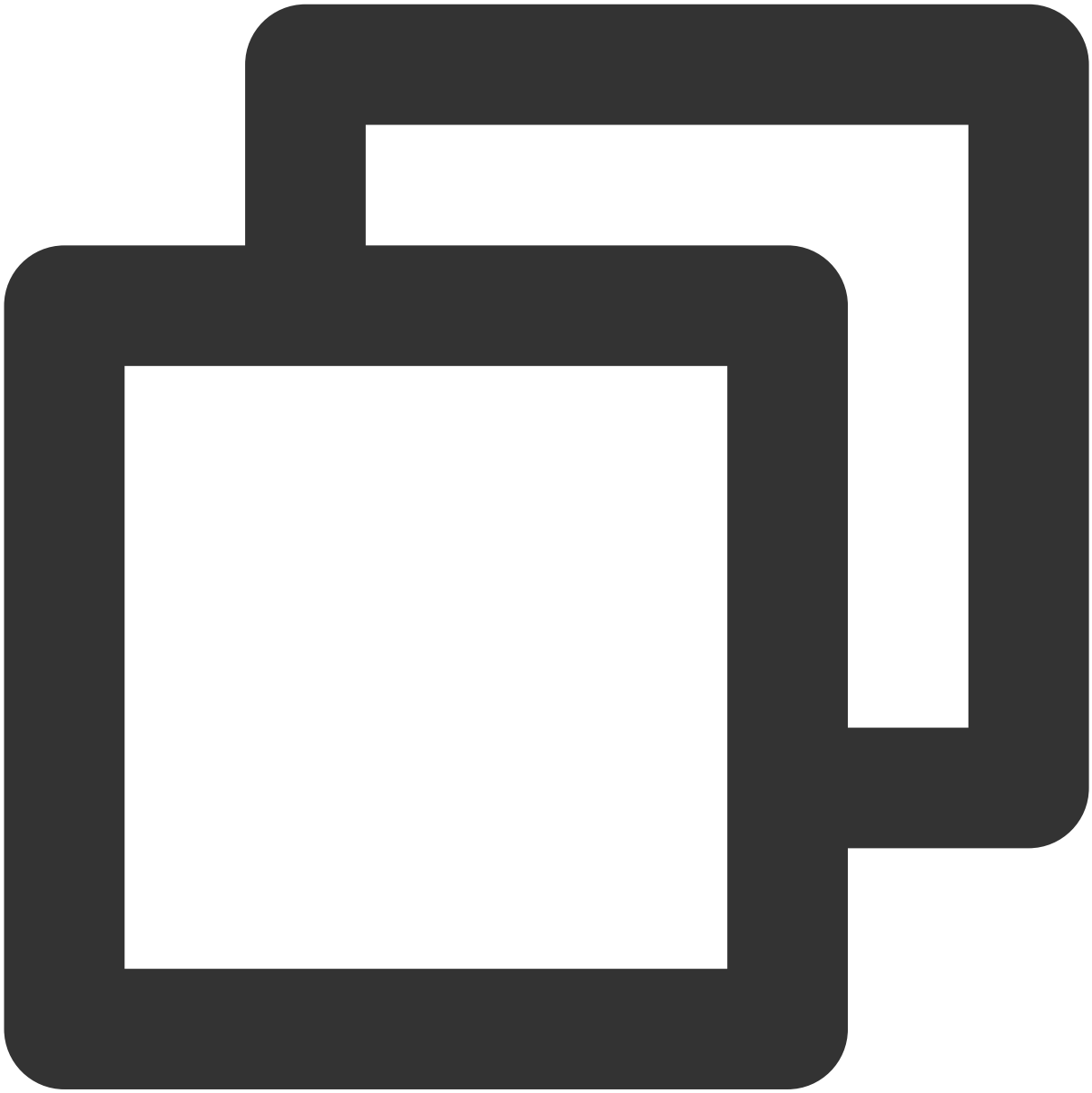
```
<Dependencies>
    <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
    <Snapshot_1581665960536>End</Snapshot_1581665960536>
    <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
    <Segment_15816659605667>End</Segment_15816659605667>
    <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
    <PicProcess_15816659605668>End</PicProcess_15816659605668>
</Dependencies>
<Nodes>
    <Start>
        <Type>Start</Type>
        <Input>
            <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
            <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
            <ObjectPrefix>input/workflow-1</ObjectPrefix>
            <NotifyConfig>
                <State>On</State>
                <Url>http://www.callback.com</Url>
                <Event>TaskFinish,WorkflowFinish</Event>
                <Type>Url</Type>
                <ResultFormat>JSON</ResultFormat>
            </NotifyConfig>
            <ExtFilter>
                <State>On</State>
                <Video>true</Video>
                <Audio>false</Audio>
                <Image>false</Image>
                <Custom>false</Custom>
                <AllFile>false</AllFile>
            </ExtFilter>
        </Input>
    </Start>
    <Snapshot_1581665960536>
        <Type>Snapshot</Type>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
                <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
            </Output>
        </Operation>
    </Snapshot_1581665960536>
    <Transcode_1581665960538>
        <Type>Transcode</Type>
        <Operation>
```

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```
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/trans.{Ext}</Object>
                        </Output>
                    </Operation>
                </Transcode_1581665960538>
                <Segment_15816659605667>
                    <Type>Segment</Type>
                    <Operation>
                        <Segment>
                            <Format>mkv</Format>
                            <Duration>20</Duration>
                        </Segment>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>test-trans${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </Segment_15816659605667>
                <SmartCover_1581665960539>
                    <Type>SmartCover</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </SmartCover_1581665960539>
                <PicProcess_15816659605668>
                    <Type>PicProcess</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
        </Topology>
    </MediaWorkflow>
```

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```
</Request>
```



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjJmMWQxYjNfOTBmYTUwNjRfNWYyY18x

<Response>
```

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```
<RequestId>NjJmMWQxYjNfOTBmYTUwNjRfNWYyY18x</RequestId>
<MediaWorkflow>
    <Name>workflow-1</Name>
    <State>Active</State>
    <WorkflowId>wc666d0b9f9dd47ae9137a096252d49f7</WorkflowId>
    <BucketId>test-1234567890</BucketId>
    <CreateTime>2022-07-14T12:37:28+0800</CreateTime>
    <UpdateTime>2022-07-14T12:37:28+0800</UpdateTime>
    <Topology>
        <Dependencies>
            <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
            <Snapshot_1581665960536>End</Snapshot_1581665960536>
            <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
            <Segment_15816659605667>End</Segment_15816659605667>
            <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
            <PicProcess_15816659605668>End</PicProcess_15816659605668>
        </Dependencies>
        <Nodes>
            <Start>
                <Type>Start</Type>
                <Input>
                    <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                    <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                    <ObjectPrefix>input/workflow-1</ObjectPrefix>
                    <NotifyConfig>
                        <State>On</State>
                        <Url>http://www.callback.com</Url>
                        <Event>TaskFinish,WorkflowFinish</Event>
                        <Type>Url</Type>
                        <ResultFormat>JSON</ResultFormat>
                    </NotifyConfig>
                    <ExtFilter>
                        <State>On</State>
                        <Video>true</Video>
                        <Audio>false</Audio>
                        <Image>false</Image>
                        <Custom>false</Custom>
                        <AllFile>false</AllFile>
                    </ExtFilter>
                </Input>
            </Start>
            <Snapshot_1581665960536>
                <Type>Snapshot</Type>
                <Operation>
                    <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
```

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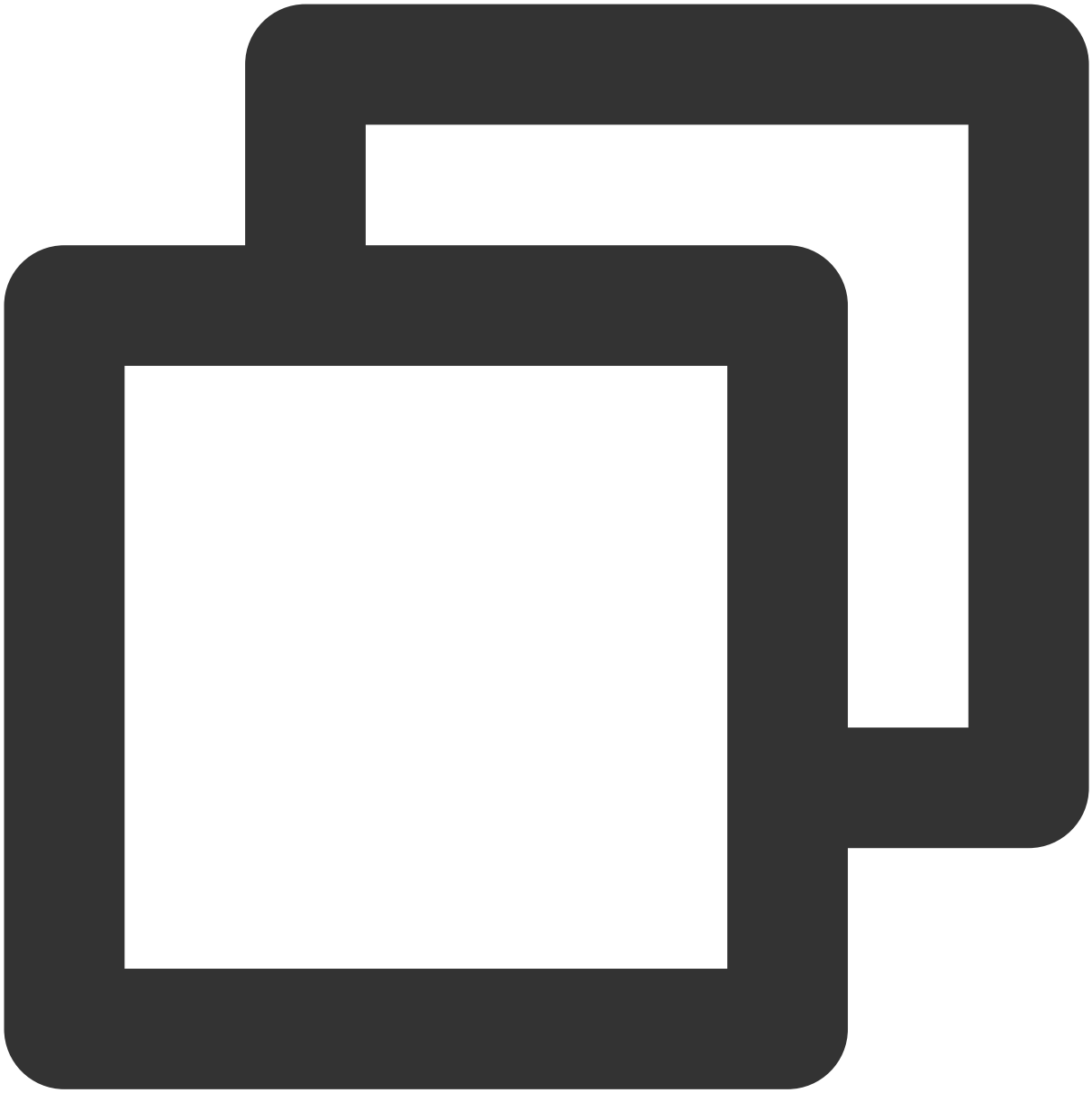
```
                    <Bucket>test-1234567890</Bucket>
                    <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                    <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                </Output>
            </Operation>
        </Snapshot_1581665960536>
        <Transcode_1581665960538>
            <Type>Transcode</Type>
            <Operation>
                <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>bcd/${RunId}/trans.{Ext}</Object>
                </Output>
            </Operation>
        </Transcode_1581665960538>
        <Segment_15816659605667>
            <Type>Segment</Type>
            <Operation>
                <Segment>
                    <Format>mkv</Format>
                    <Duration>20</Duration>
                </Segment>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>test-trans${Number}.{Ext}</Object>
                </Output>
            </Operation>
        </Segment_15816659605667>
        <SmartCover_1581665960539>
            <Type>SmartCover</Type>
            <Operation>
                <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                </Output>
            </Operation>
        </SmartCover_1581665960539>
        <PicProcess_15816659605668>
            <Type>PicProcess</Type>
            <Operation>
                <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                <Output>
```

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```
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
        </Topology>
    </MediaWorkflow>
</Response>
```

Adaptive bitrate streaming

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```
POST /workflow HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <MediaWorkflow>
        <Name>workflow-2</Name>
        <State>Active</State>
        <Topology>
```

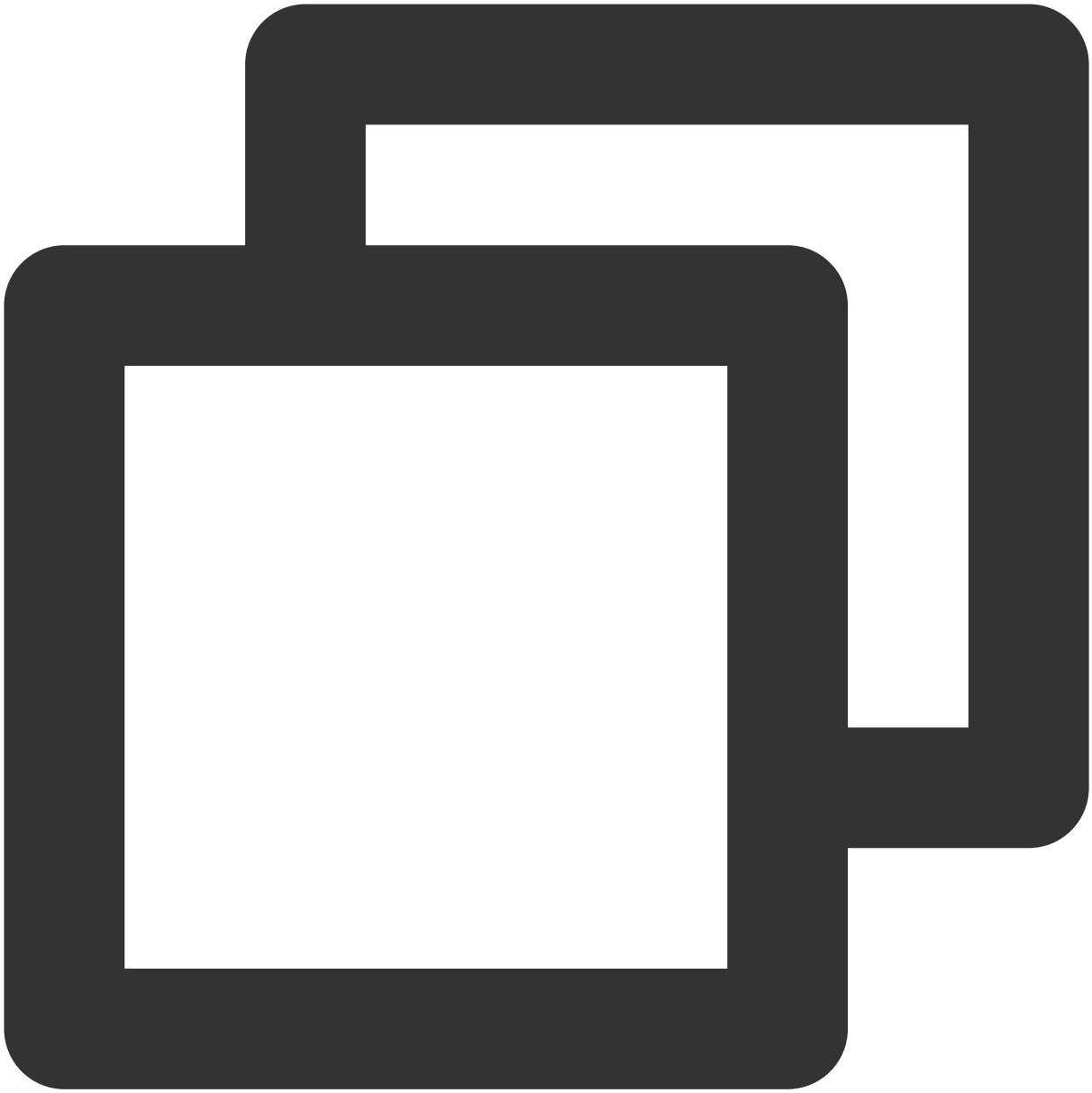
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```
            <Dependencies>
                <Start>StreamPackConfig_1581665960532</Start>
                <StreamPackConfig_1581665960532>VideoStream_1581665960536,VideoStre
                <VideoStream_1581665960536>StreamPack_1581665960538</VideoStream_15
                <VideoStream_1581665960537>StreamPack_1581665960538</VideoStream_15
                <StreamPack_1581665960538>End</StreamPack_1581665960538>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <ObjectPrefix>input/workflow-2</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <StreamPackConfig_1581665960532>
                    <Type>StreamPackConfig</Type>
                    <Operation>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${InputPath}/${InputName}._${RunId}.${ext}</Obj
                        </Output>
                        <StreamPackConfig>
                            <PackType>HLS</PackType>
                            <IgnoreFailedStream>true</IgnoreFailedStream>
                        </StreamPackConfig>
                    </Operation>
                </StreamPackConfig_1581665960532>
                <VideoStream_1581665960536>
                    <Type>VideoStream</Type>
                    <Operation>
```

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```
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${RunId}_Substream_1/video.m3u8</Object>
                        </Output>
                    </Operation>
                </VideoStream_1581665960536>
                <VideoStream_1581665960537>
                    <Type>VideoStream</Type>
                    <Operation>
                        <TemplateId>t1460606bgfdg2148c4ab182f55163ba7bj</TemplateId
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${RunId}_Substream_2/video.m3u8</Object>
                        </Output>
                    </Operation>
                </VideoStream_1581665960537>
                <StreamPack_1581665960538>
                    <Type>StreamPack</Type>
                    <Operation>
                        <StreamPackInfo>
                            <VideoStreamConfig>
                                <VideoStreamName>VideoStream_1581665960536</VideoSt
                                <BandWidth>200000000</BandWidth>
                            </VideoStreamConfig>
                            <VideoStreamConfig>
                                <VideoStreamName>VideoStream_1581665960537</VideoSt
                                <BandWidth>200000000</BandWidth>
                            </VideoStreamConfig>
                        </StreamPackInfo>
                    </Operation>
                </StreamPack_1581665960538>
            </Nodes>
        </Topology>
    </MediaWorkflow>
</Request>
```

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf95s=

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf95s=</RequestId>
    <MediaWorkflow>
```

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```
        <Name>workflow-2</Name>
        <State>Active</State>
        <WorkflowId>w93aa43ba105347169fa093ed857b2a90</WorkflowId>
        <BucketId>test-1234567890</BucketId>
        <CreateTime>2022-07-14T12:37:28+0800</CreateTime>
        <UpdateTime>2022-07-14T12:37:28+0800</UpdateTime>
        <Topology>
            <Dependencies>
                <Start>StreamPackConfig_1581665960532</Start>
                <StreamPackConfig_1581665960532>VideoStream_1581665960536,VideoStre
                <VideoStream_1581665960536>StreamPack_1581665960538</VideoStream_15
                <VideoStream_1581665960537>StreamPack_1581665960538</VideoStream_15
                <StreamPack_1581665960538>End</StreamPack_1581665960538>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <ObjectPrefix>input/workflow-2</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <StreamPackConfig_1581665960532>
                    <Type>StreamPackConfig</Type>
                    <Operation>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${InputPath}/${InputName}._${RunId}.${ext}</Obj
                        </Output>
                        <StreamPackConfig>
                            <PackType>HLS</PackType>
```

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```
                        <IgnoreFailedStream>true</IgnoreFailedStream>
                    </StreamPackConfig>
                </Operation>
            </StreamPackConfig_1581665960532>
            <VideoStream_1581665960536>
                <Type>VideoStream</Type>
                <Operation>
                    <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>${RunId}_Substream_1/video.m3u8</Object>
                    </Output>
                </Operation>
            </VideoStream_1581665960536>
            <VideoStream_1581665960537>
                <Type>VideoStream</Type>
                <Operation>
                    <TemplateId>t1460606bgfdg2148c4ab182f55163ba7bj</TemplateId
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>${RunId}_Substream_2/video.m3u8</Object>
                    </Output>
                </Operation>
            </VideoStream_1581665960537>
            <StreamPack_1581665960538>
                <Type>StreamPack</Type>
                <Operation>
                    <StreamPackInfo>
                        <VideoStreamConfig>
                            <VideoStreamName>VideoStream_1581665960536</VideoSt
                            <BandWidth>200000000</BandWidth>
                        </VideoStreamConfig>
                        <VideoStreamConfig>
                            <VideoStreamName>VideoStream_1581665960537</VideoSt
                            <BandWidth>200000000</BandWidth>
                        </VideoStreamConfig>
                    </StreamPackInfo>
                </Operation>
            </StreamPack_1581665960538>
        </Nodes>
    </Topology>
</MediaWorkflow>
</Response>
```

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Querying Workflow

Last updated：2024-02-27 15:15:38

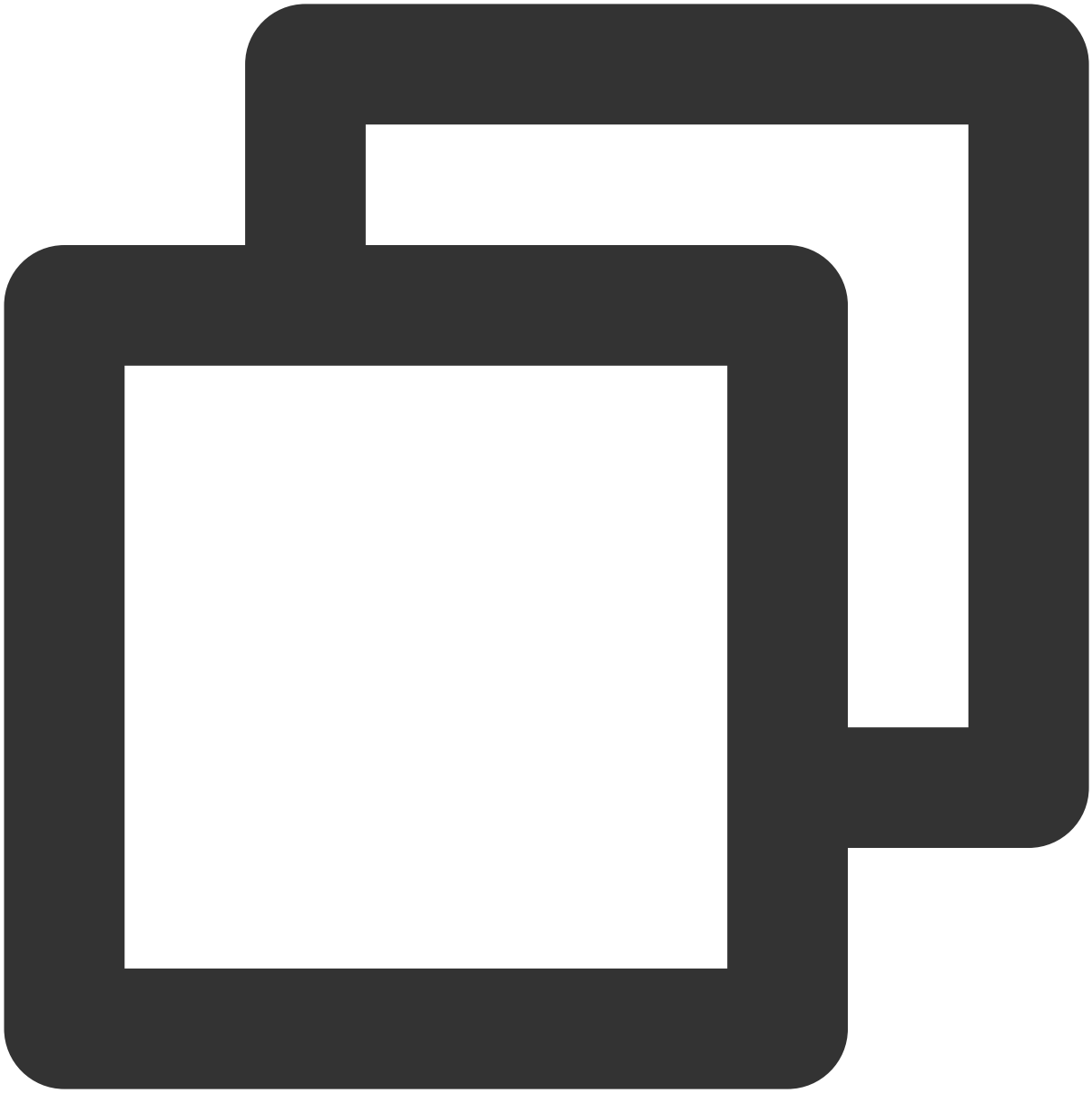
Feature Description

This API is used to query a workflow.

Request

Sample request

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```
GET /workflow HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter (Keyword)	Description	Type	Required
ids	Workflow ID. If you enter multiple IDs, separate them by comma.	string	No
name	Workflow name	string	No
pageNumber	Page number.	string	No
pageSize	Number of entries per page.	string	No

Response

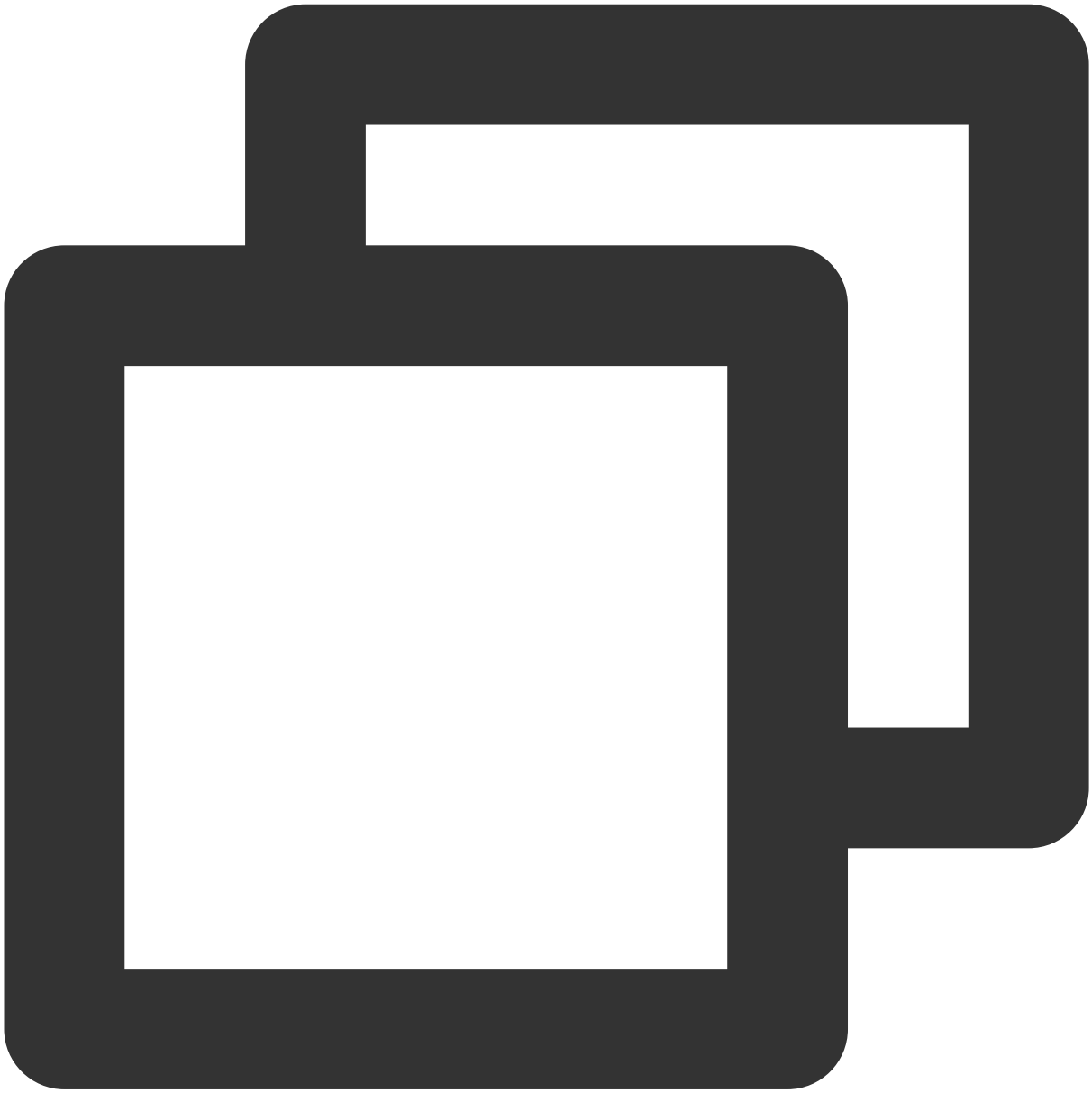
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmMWZiZTFfOTBmYTUwNjRfNjVmNl8x</RequestId>
    <TotalCount>2</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <MediaWorkflowList>
        <Name>workflow-1</Name>
        <State>Active</State>
        <WorkflowId>wc666d0b9f9dd47ae9137a096252d49f7</WorkflowId>
        <BucketId>test-1234567890</BucketId>
        <CreateTime>2022-06-29T14:37:44+0800</CreateTime>
```

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```
        <UpdateTime>2022-06-29T14:37:44+0800</UpdateTime>
        <Topology>
            <Dependencies>
                <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
                <Snapshot_1581665960536>End</Snapshot_1581665960536>
                <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
                <Segment_15816659605667>End</Segment_15816659605667>
                <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
                <PicProcess_15816659605668>End</PicProcess_15816659605668>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                        <ObjectPrefix>input/workflow-1</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish,WorkflowStart</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <Snapshot_1581665960536>
                    <Type>Snapshot</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                            <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                        </Output>
                    </Operation>
                </Snapshot_1581665960536>
                <Transcode_1581665960538>
```

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```
                    <Type>Transcode</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/trans.{Ext}</Object>
                        </Output>
                    </Operation>
                </Transcode_1581665960538>
                <Segment_15816659605667>
                    <Type>Segment</Type>
                    <Operation>
                        <Segment>
                            <Format>mkv</Format>
                            <Duration>20</Duration>
                        </Segment>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>test-trans${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </Segment_15816659605667>
                <SmartCover_1581665960539>
                    <Type>SmartCover</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </SmartCover_1581665960539>
                <PicProcess_15816659605668>
                    <Type>PicProcess</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
```

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```
        </Topology>
    </MediaWorkflowList>
    <MediaWorkflowList>
        <Name>workflow-2</Name>
        <State>Active</State>
        <WorkflowId>w93aa43ba105347169fa093ed857b2a90</WorkflowId>
        <BucketId>test-1234567890</BucketId>
        <CreateTime>2022-06-29T14:37:44+0800</CreateTime>
        <UpdateTime>2022-06-29T14:37:44+0800</UpdateTime>
        <Topology>
            <Dependencies>
                <Start>StreamPackConfig_1581665960532</Start>
                <StreamPackConfig_1581665960532>VideoStream_1581665960536,VideoStre
                <VideoStream_1581665960536>StreamPack_1581665960538</VideoStream_15
                <VideoStream_1581665960537>StreamPack_1581665960538</VideoStream_15
                <StreamPack_1581665960538>End</StreamPack_1581665960538>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <ObjectPrefix>input/workflow-2</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish,WorkflowStart</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <StreamPackConfig_1581665960532>
                    <Type>StreamPackConfig</Type>
                    <Operation>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${InputPath}/${InputName}._${RunId}.${ext}</Obj
```

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```
                    </Output>
                    <StreamPackConfig>
                        <PackType>HLS</PackType>
                        <IgnoreFailedStream>true</IgnoreFailedStream>
                    </StreamPackConfig>
                </Operation>
            </StreamPackConfig_1581665960532>
            <VideoStream_1581665960536>
                <Type>VideoStream</Type>
                <Operation>
                    <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>${RunId}_Substream_1/video.m3u8</Object>
                    </Output>
                </Operation>
            </VideoStream_1581665960536>
            <VideoStream_1581665960537>
                <Type>VideoStream</Type>
                <Operation>
                    <TemplateId>t1460606bgfdg2148c4ab182f55163ba7bj</TemplateId
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>${RunId}_Substream_2/video.m3u8</Object>
                    </Output>
                </Operation>
            </VideoStream_1581665960537>
            <StreamPack_1581665960538>
                <Type>StreamPack</Type>
                <Operation>
                    <StreamPackInfo>
                        <VideoStreamConfig>
                            <VideoStreamName>VideoStream_1581665960536</VideoSt
                            <BandWidth>200000000</BandWidth>
                        </VideoStreamConfig>
                        <VideoStreamConfig>
                            <VideoStreamName>VideoStream_1581665960537</VideoSt
                            <BandWidth>200000000</BandWidth>
                        </VideoStreamConfig>
                    </StreamPackInfo>
                </Operation>
            </StreamPack_1581665960538>
        </Nodes>
    </Topology>
</MediaWorkflowList>
```

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```
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of workflows	Int
PageNumber	Response	Current page number, which is the same as `pageNumber` in the request.	Int
PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
MediaWorkflowList	Response	Workflow array	Container

`MediaWorkflowList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Name	Response.MediaWorkflowList	Workflow name.	String	Yes	The value can contain up to 128 letters, digits, hyphens, and underscores.
WorkflowId	Response.MediaWorkflowList	Workflow ID	String	Yes	Unique workflow ID
State	Response.MediaWorkflowList	Workflow status	String	Yes	1. Active 2. Paused
CreateTime	Response.MediaWorkflowList	Creation time	String	Yes	None
UpdateTime	Response.MediaWorkflowList	Update time	String	Yes	None

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Topology	Response.MediaWorkflowList	Topology information	Container	Yes	Same as Topology in the workflow creation API.

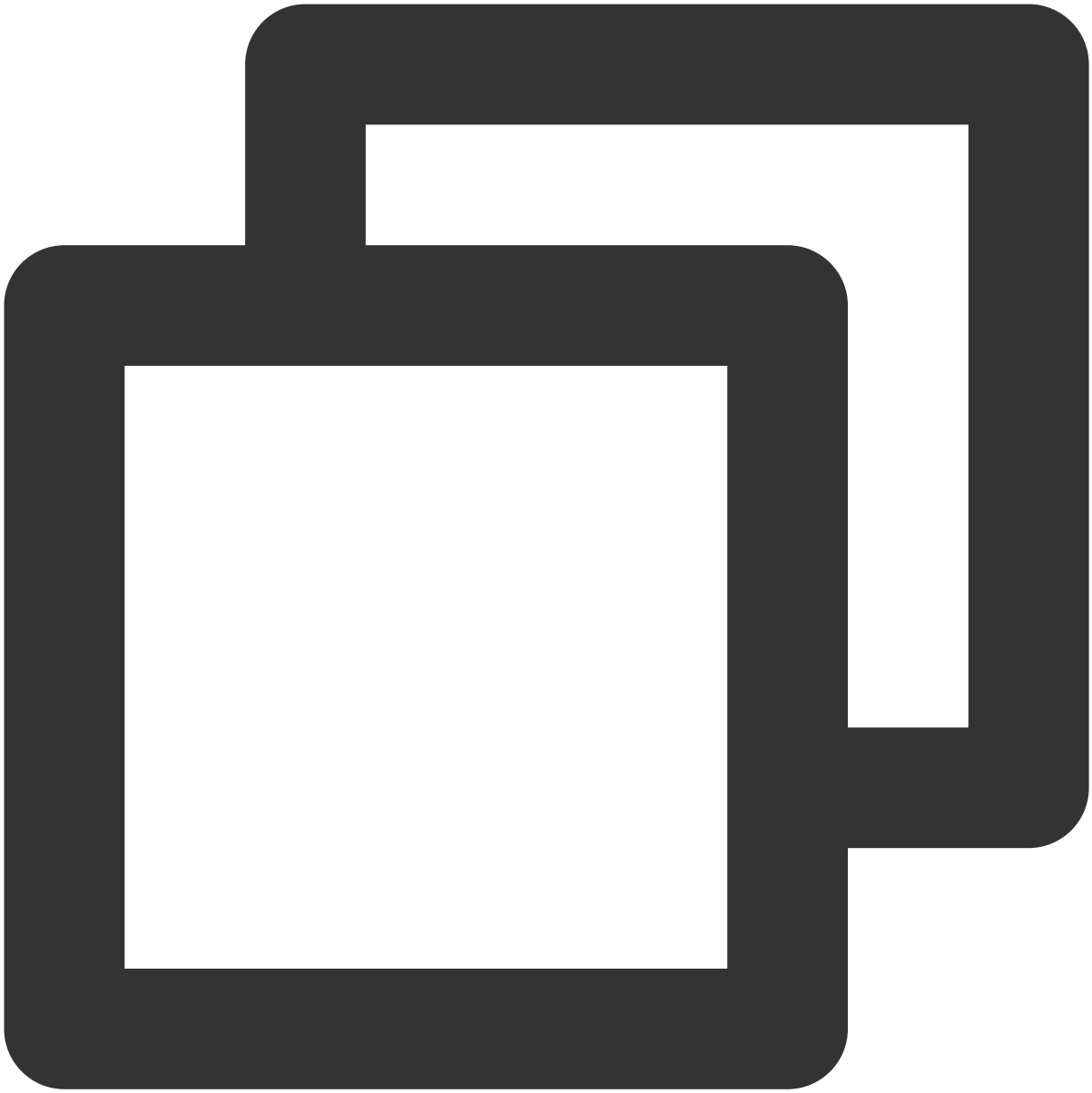
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1: Workflow ID

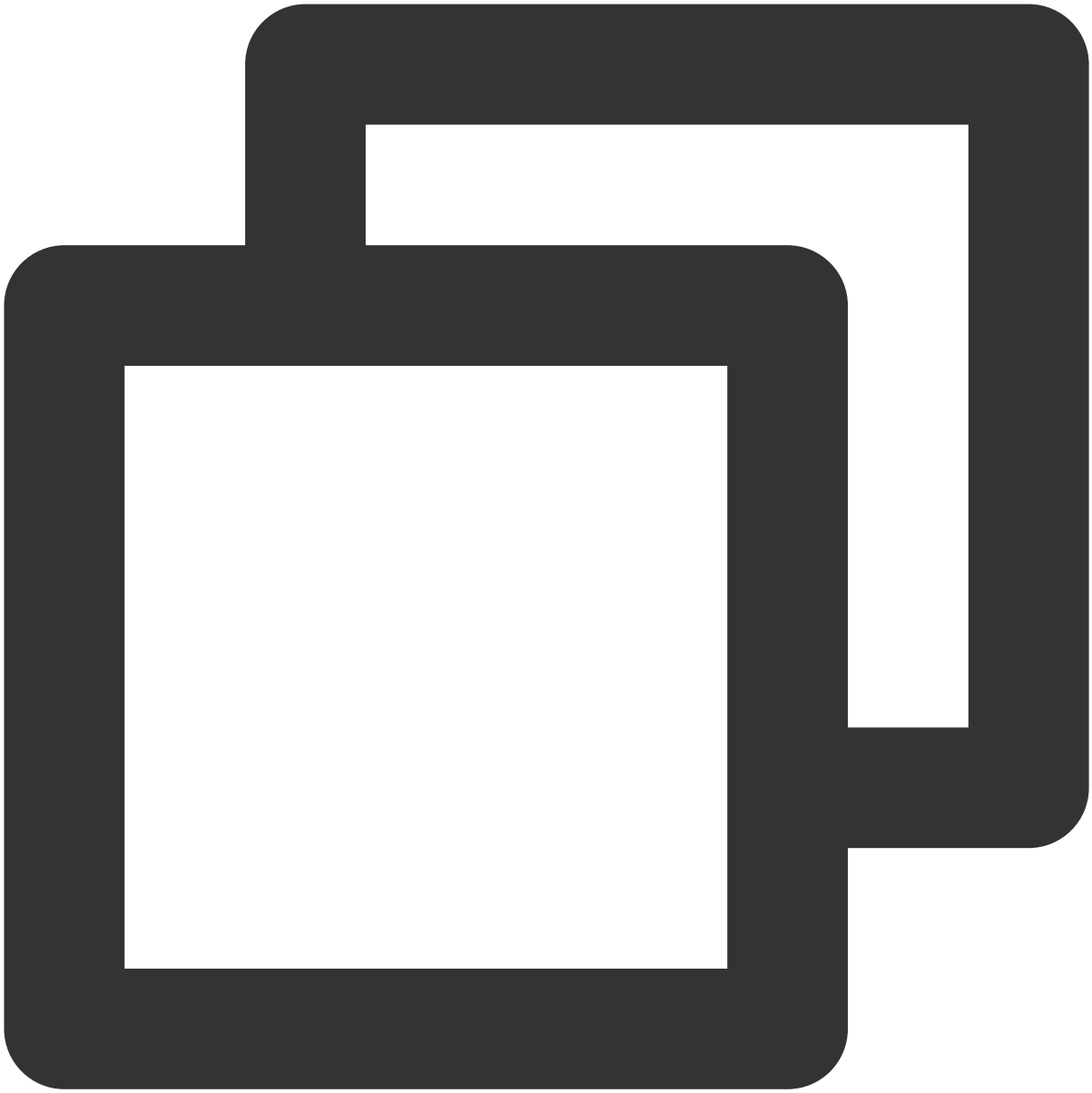
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```
GET /workflow?ids=wc666d0b9f9dd47ae9137a096252d49f7,A,B HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response 1

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjJmMWZmMzRfOTBmYTUwNjRfNjVmOF8x

<Response>
    <RequestId>NjJmMWZmMzRfOTBmYTUwNjRfNjVmOF8x</RequestId>
        <MediaWorkflowList>
```

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```
        <Name>workflow-1</Name>
        <State>Active</State>
        <WorkflowId>wc666d0b9f9dd47ae9137a096252d49f7</WorkflowId>
        <BucketId>test-1234567890</BucketId>
        <CreateTime>2022-06-29T14:37:44+0800</CreateTime>
        <UpdateTime>2022-06-29T14:37:44+0800</UpdateTime>
        <Topology>
            <Dependencies>
                <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
                <Snapshot_1581665960536>End</Snapshot_1581665960536>
                <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
                <Segment_15816659605667>End</Segment_15816659605667>
                <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
                <PicProcess_15816659605668>End</PicProcess_15816659605668>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                        <ObjectPrefix>input/workflow-1</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish,WorkflowStart</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <Snapshot_1581665960536>
                    <Type>Snapshot</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
```

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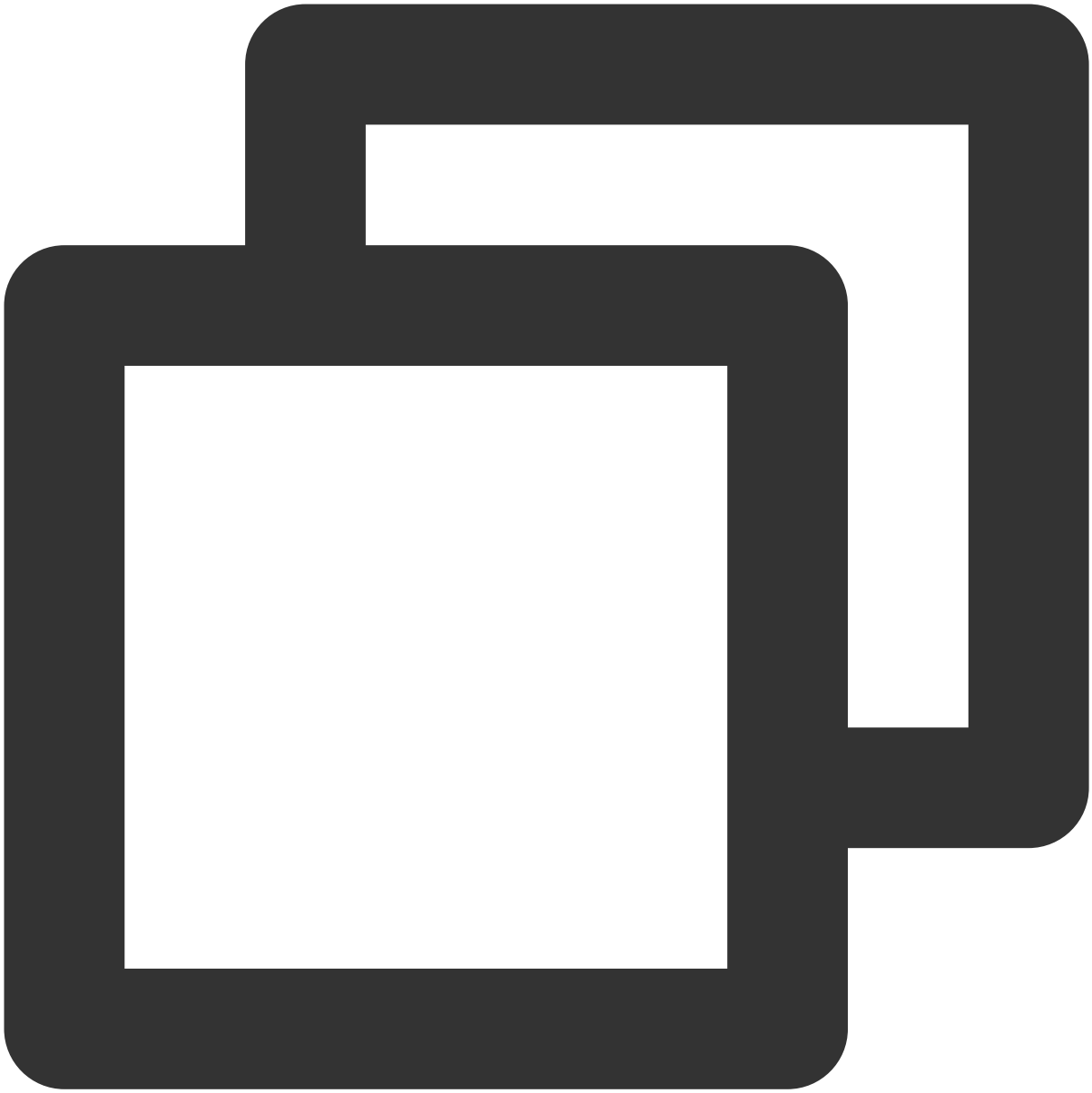
```
                    <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                </Output>
            </Operation>
        </Snapshot_1581665960536>
        <Transcode_1581665960538>
            <Type>Transcode</Type>
            <Operation>
                <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>bcd/${RunId}/trans.{Ext}</Object>
                </Output>
            </Operation>
        </Transcode_1581665960538>
        <Segment_15816659605667>
            <Type>Segment</Type>
            <Operation>
                <Segment>
                    <Format>mkv</Format>
                    <Duration>20</Duration>
                </Segment>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>test-trans${Number}.{Ext}</Object>
                </Output>
            </Operation>
        </Segment_15816659605667>
        <SmartCover_1581665960539>
            <Type>SmartCover</Type>
            <Operation>
                <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                </Output>
            </Operation>
        </SmartCover_1581665960539>
        <PicProcess_15816659605668>
            <Type>PicProcess</Type>
            <Operation>
                <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
```

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```
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
        </Topology>
    </MediaWorkflowList>
    <NonExistIDs>A</NonExistIDs>
    <NonExistIDs>B</NonExistIDs>
</Response>
```

Request 2: Workflow list

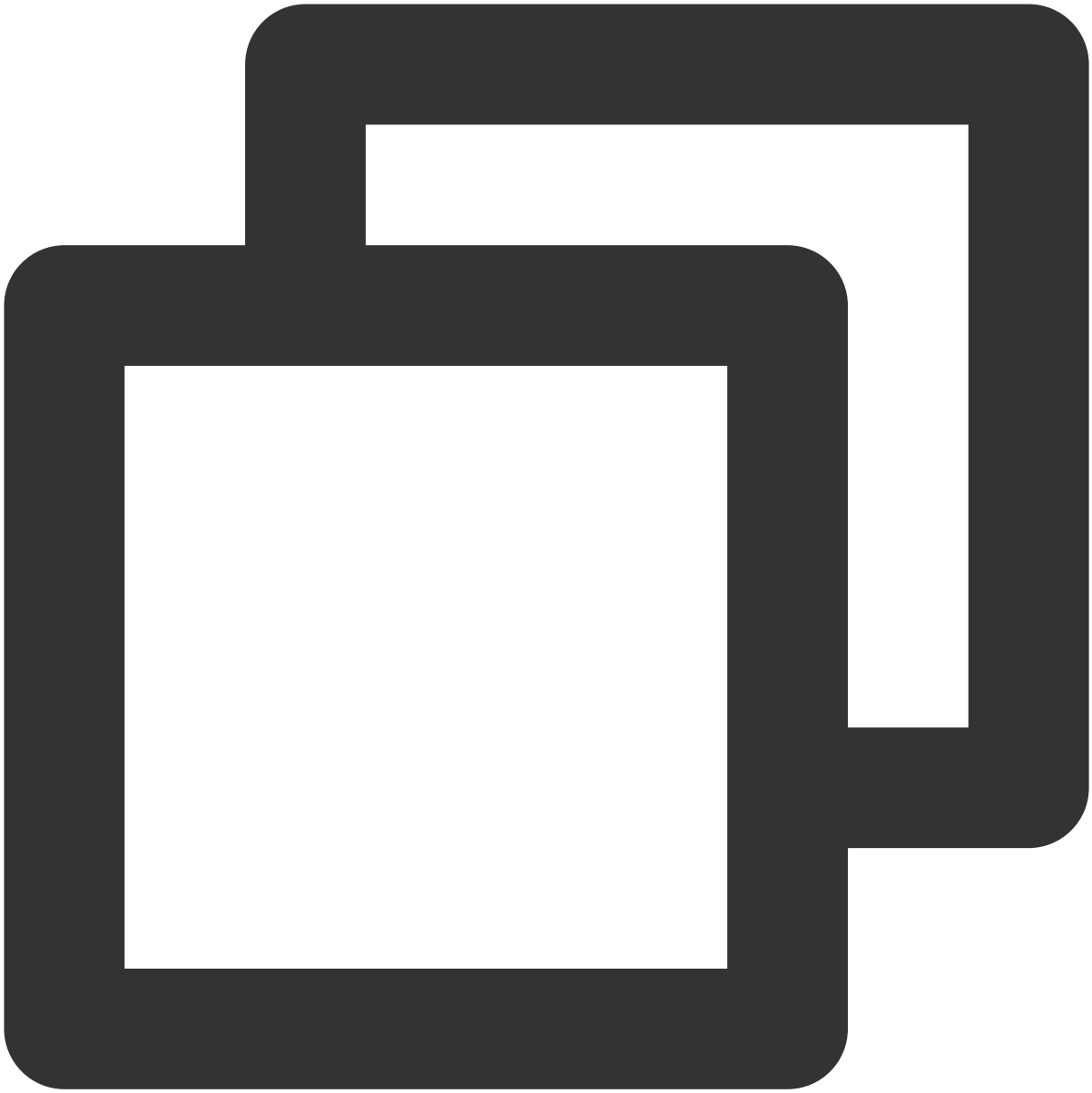
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```
GET /workflow?pageNumber=1&pageSize=10 HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-sig
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response 2

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhfMjc=

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhfMjc=</RequestId>
    <TotalCount>2</TotalCount>
```

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```
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <MediaWorkflowList>
        <Name>workflow-1</Name>
        <State>Active</State>
        <WorkflowId>wc666d0b9f9dd47ae9137a096252d49f7</WorkflowId>
        <BucketId>test-1234567890</BucketId>
        <CreateTime>2022-06-29T14:37:44+0800</CreateTime>
        <UpdateTime>2022-06-29T14:37:44+0800</UpdateTime>
        <Topology>
            <Dependencies>
                <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
                <Snapshot_1581665960536>End</Snapshot_1581665960536>
                <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
                <Segment_15816659605667>End</Segment_15816659605667>
                <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
                <PicProcess_15816659605668>End</PicProcess_15816659605668>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                        <ObjectPrefix>input/workflow-1</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish,WorkflowStart</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <Snapshot_1581665960536>
                    <Type>Snapshot</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
```

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```
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                    <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                </Output>
            </Operation>
        </Snapshot_1581665960536>
        <Transcode_1581665960538>
            <Type>Transcode</Type>
            <Operation>
                <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>bcd/${RunId}/trans.{Ext}</Object>
                </Output>
            </Operation>
        </Transcode_1581665960538>
        <Segment_15816659605667>
            <Type>Segment</Type>
            <Operation>
                <Segment>
                    <Format>mkv</Format>
                    <Duration>20</Duration>
                </Segment>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>test-trans${Number}.{Ext}</Object>
                </Output>
            </Operation>
        </Segment_15816659605667>
        <SmartCover_1581665960539>
            <Type>SmartCover</Type>
            <Operation>
                <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                </Output>
            </Operation>
        </SmartCover_1581665960539>
        <PicProcess_15816659605668>
            <Type>PicProcess</Type>
            <Operation>
                <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
        </Topology>
    </MediaWorkflowList>
    <MediaWorkflowList>
        <Name>workflow-2</Name>
        <State>Active</State>
        <WorkflowId>w93aa43ba105347169fa093ed857b2a90</WorkflowId>
        <BucketId>test-1234567890</BucketId>
        <CreateTime>2022-06-29T14:37:44+0800</CreateTime>
        <UpdateTime>2022-06-29T14:37:44+0800</UpdateTime>
        <Topology>
            <Dependencies>
                <Start>StreamPackConfig_1581665960532</Start>
                <StreamPackConfig_1581665960532>VideoStream_1581665960536,VideoStre
                <VideoStream_1581665960536>StreamPack_1581665960538</VideoStream_15
                <VideoStream_1581665960537>StreamPack_1581665960538</VideoStream_15
                <StreamPack_1581665960538>End</StreamPack_1581665960538>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <ObjectPrefix>input/workflow-2</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish,WorkflowStart</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
```

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```
                </Start>
                <StreamPackConfig_1581665960532>
                    <Type>StreamPackConfig</Type>
                    <Operation>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${InputPath}/${InputName}._${RunId}.${ext}</Obj
                        </Output>
                        <StreamPackConfig>
                            <PackType>HLS</PackType>
                            <IgnoreFailedStream>true</IgnoreFailedStream>
                        </StreamPackConfig>
                    </Operation>
                </StreamPackConfig_1581665960532>
                <VideoStream_1581665960536>
                    <Type>VideoStream</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${RunId}_Substream_1/video.m3u8</Object>
                        </Output>
                    </Operation>
                </VideoStream_1581665960536>
                <VideoStream_1581665960537>
                    <Type>VideoStream</Type>
                    <Operation>
                        <TemplateId>t1460606bgfdg2148c4ab182f55163ba7bj</TemplateId
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>${RunId}_Substream_2/video.m3u8</Object>
                        </Output>
                    </Operation>
                </VideoStream_1581665960537>
                <StreamPack_1581665960538>
                    <Type>StreamPack</Type>
                    <Operation>
                        <StreamPackInfo>
                            <VideoStreamConfig>
                                <VideoStreamName>VideoStream_1581665960536</VideoSt
                                <BandWidth>200000000</BandWidth>
                            </VideoStreamConfig>
                            <VideoStreamConfig>
                                <VideoStreamName>VideoStream_1581665960537</VideoSt
```

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```
                                <BandWidth>200000000</BandWidth>
                            </VideoStreamConfig>
                        </StreamPackInfo>
                    </Operation>
                </StreamPack_1581665960538>
            </Nodes>
        </Topology>
    </MediaWorkflowList>
</Response>
```

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Deleting Workflow

Last updated：2024-02-27 15:15:38

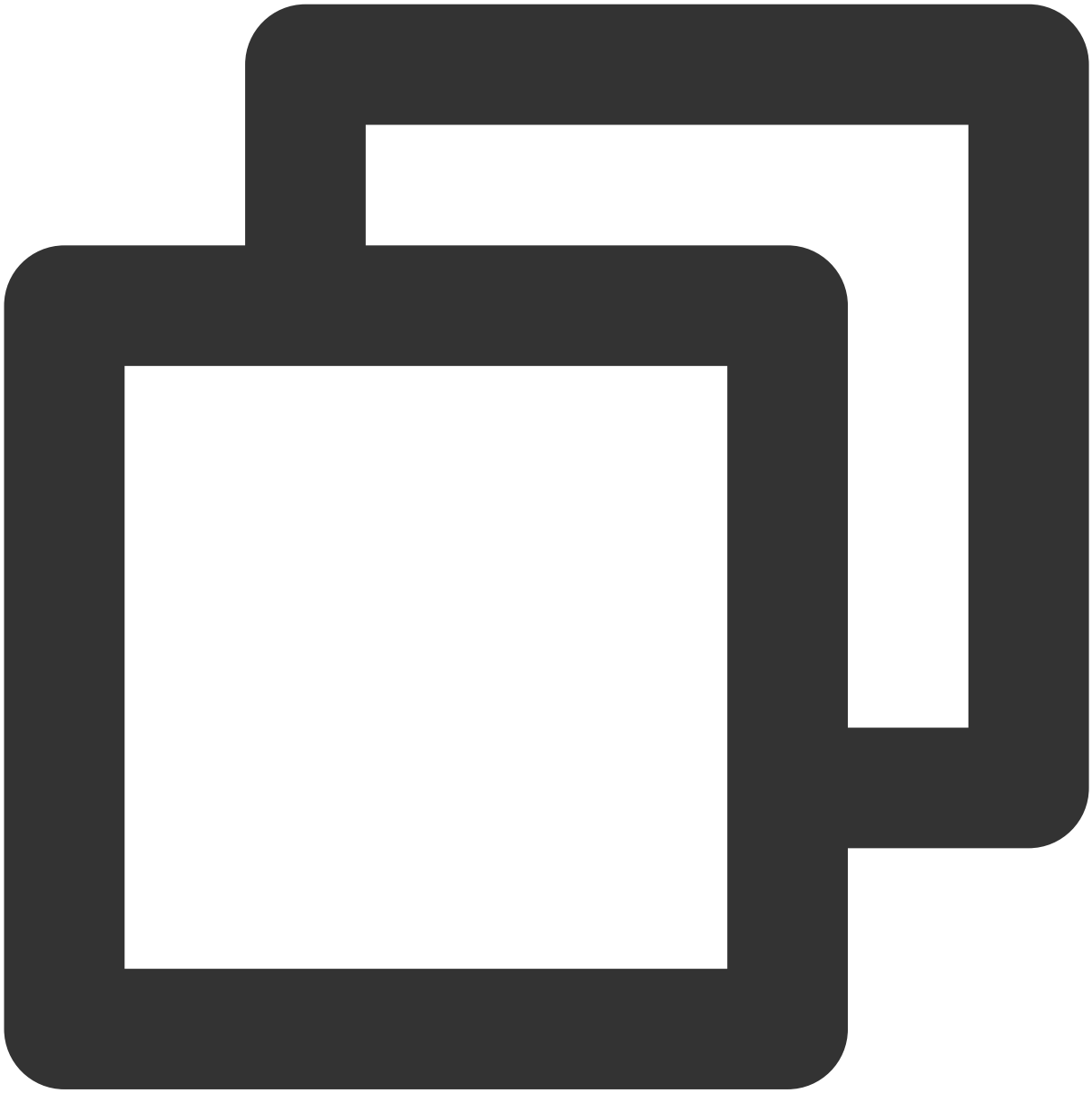
Feature Description

This API is used to delete a workflow.

Request

Sample request

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```
DELETE /workflow/<WorkflowId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

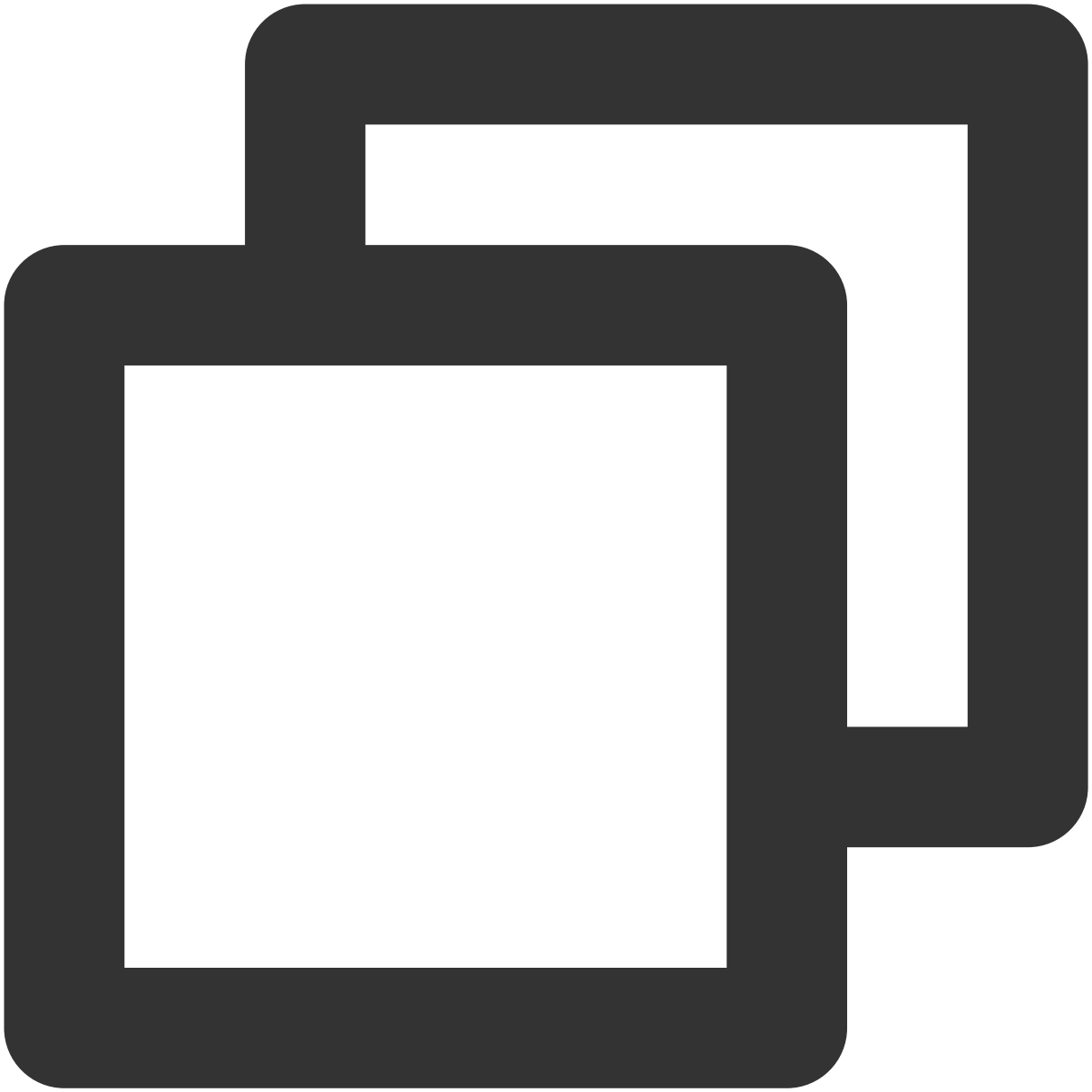
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmMWZmMzRfOTBmYTUwNjRfNjVmOF8x</RequestId>
    <WorkflowId>A</WorkflowId>
<Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
WorkflowId	Response	ID of the deleted workflow	String

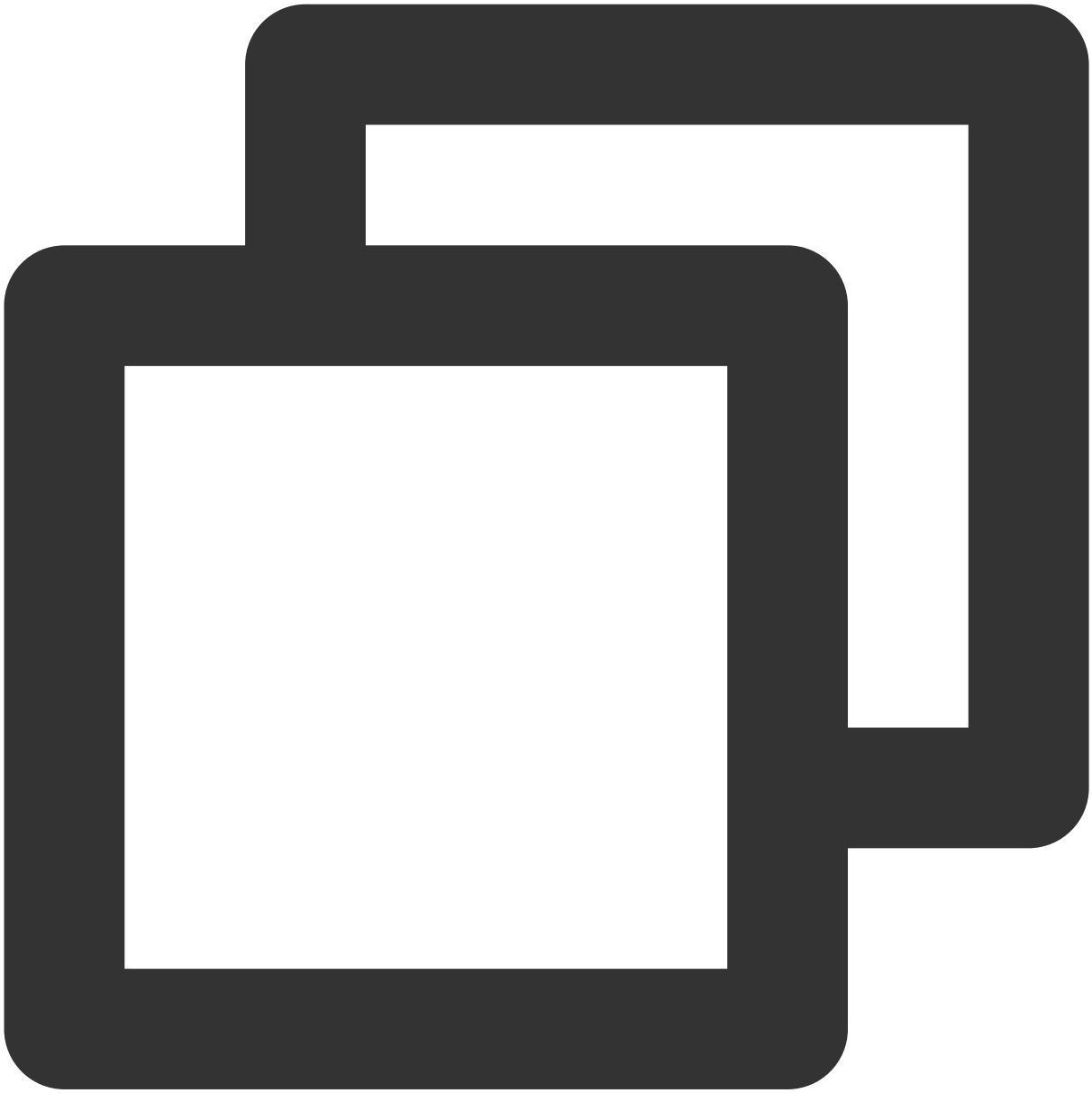
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

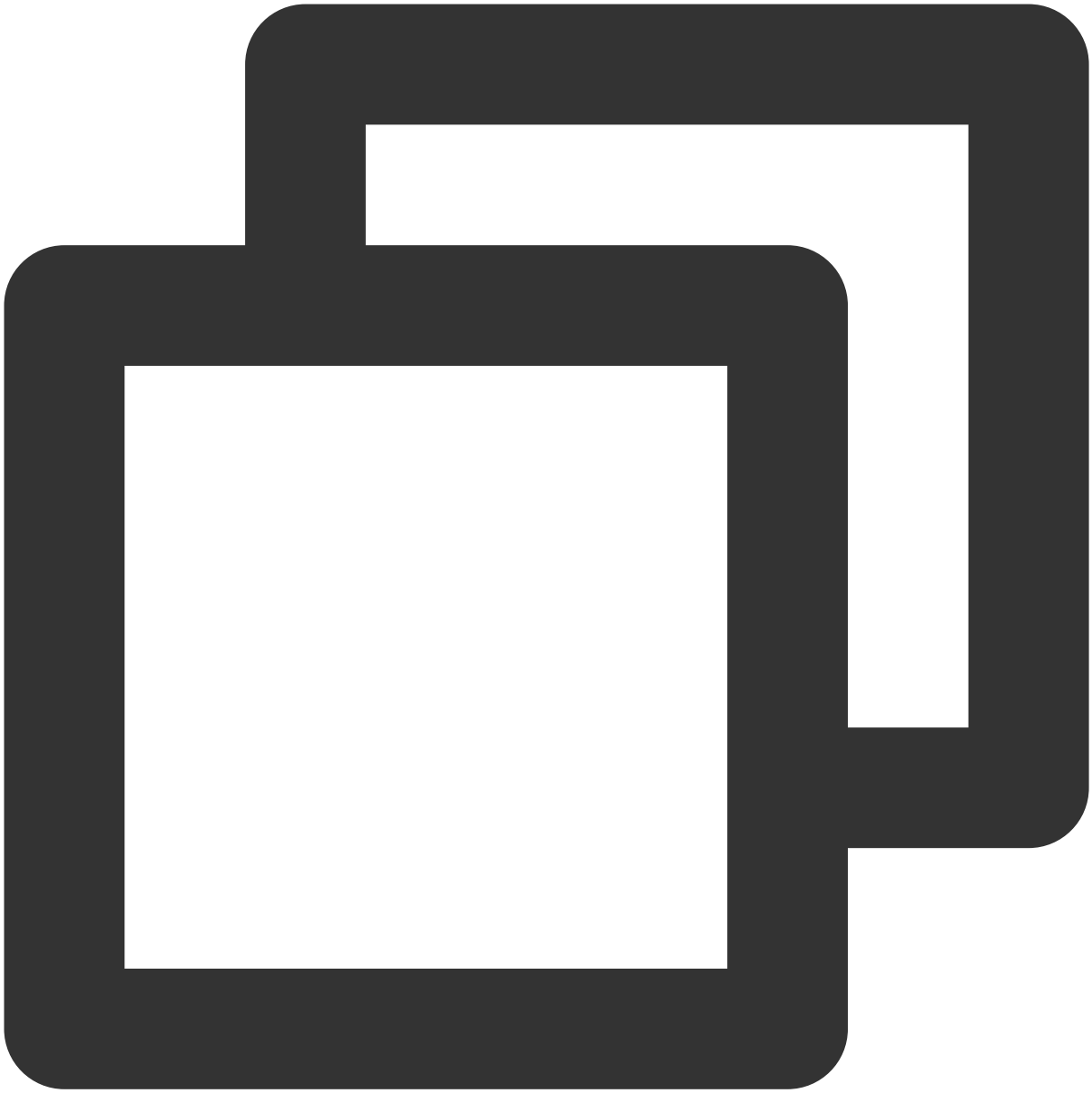
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```
DELETE /workflow/we59a9648e62e48ffb25e4b41f3721799 HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjJmMWZmMzRfOTBmYTUwNjRfNjVmOF8x

<Response>
    <RequestId>NjJmMWZmMzRfOTBmYTUwNjRfNjVmOF8x</RequestId>
    <WorkflowId>we59a9648e62e48ffb25e4b41f3721799</WorkflowId>
```

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```
<Response>
```

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Updating Workflow

Last updated：2024-02-27 15:15:38

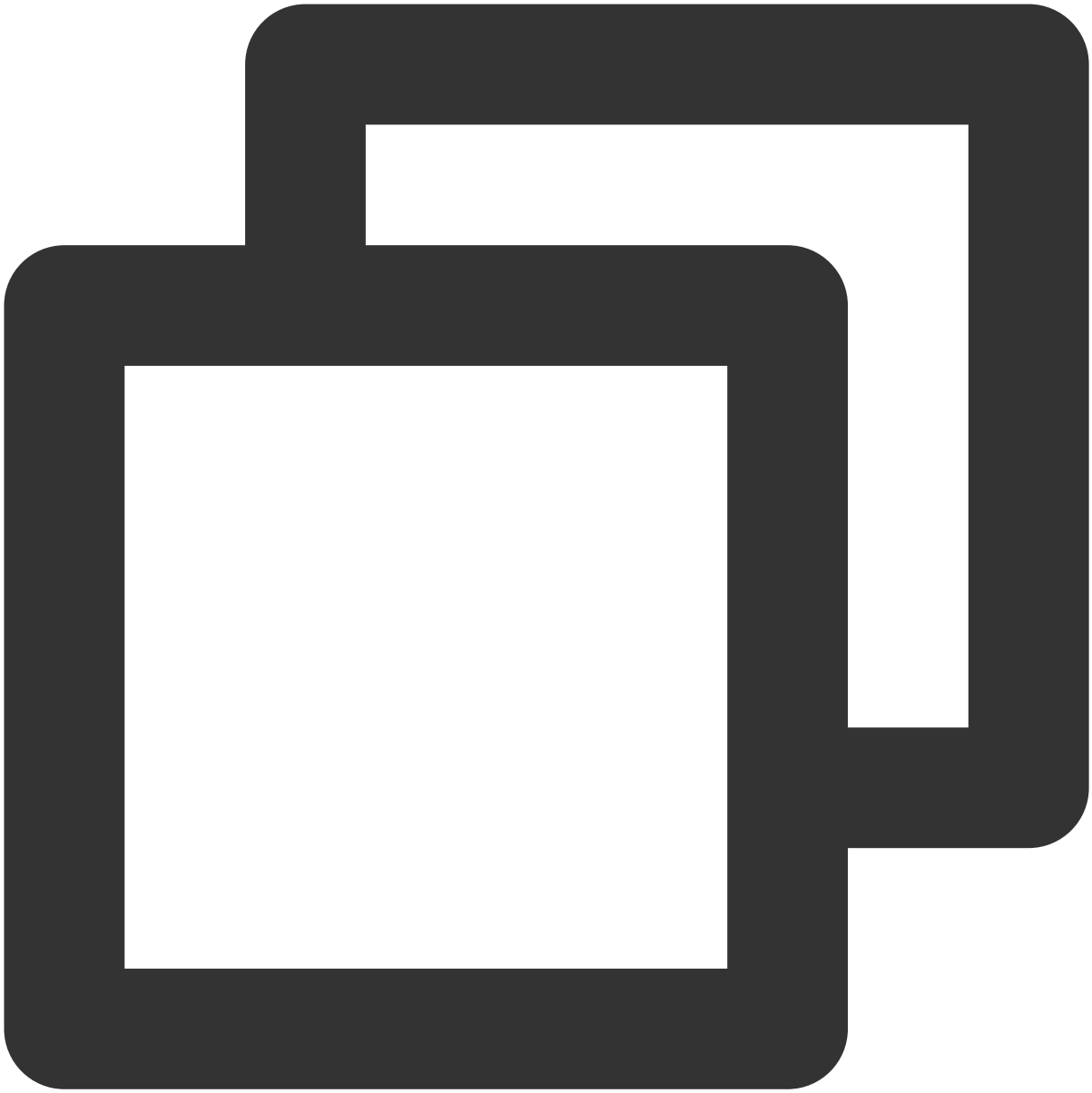
Feature Description

This API is used to update a workflow.

Request

Sample request

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```
PUT /workflow/<WorkflowId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

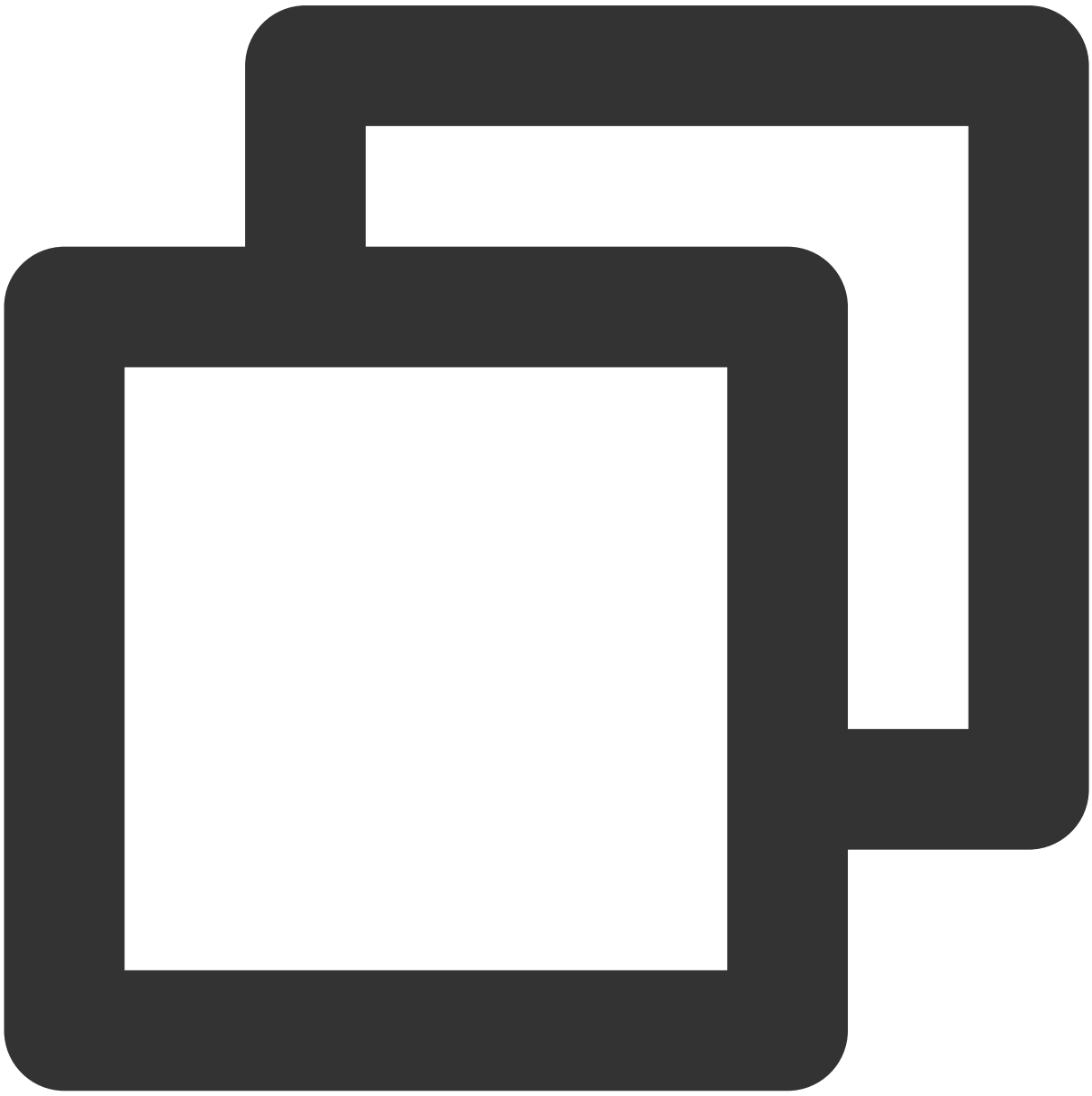
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <MediaWorkflow>
        <Name>workflow-1</Name>
        <State>Active</State>
        <Topology>
            <Dependencies>
                <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
                <Snapshot_1581665960536>End</Snapshot_1581665960536>
                <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
                <Segment_15816659605667>End</Segment_15816659605667>
                <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
                <PicProcess_15816659605668>End</PicProcess_15816659605668>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <ObjectPrefix>input/workflow-1</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <Snapshot_1581665960536>
                    <Type>Snapshot</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                            <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                        </Output>
                    </Operation>
```

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```
                </Snapshot_1581665960536>
                <Transcode_1581665960538>
                    <Type>Transcode</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/trans.{Ext}</Object>
                        </Output>
                    </Operation>
                </Transcode_1581665960538>
                <Segment_15816659605667>
                    <Type>Segment</Type>
                    <Operation>
                        <Segment>
                            <Format>mkv</Format>
                            <Duration>25</Duration>
                        </Segment>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>test-trans${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </Segment_15816659605667>
                <SmartCover_1581665960539>
                    <Type>SmartCover</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </SmartCover_1581665960539>
                <PicProcess_15816659605668>
                    <Type>PicProcess</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
```

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```
                </PicProcess_15816659605668>
            </Nodes>
        </Topology>
    </MediaWorkflow>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the workflow creation API.	Container	Yes

Response

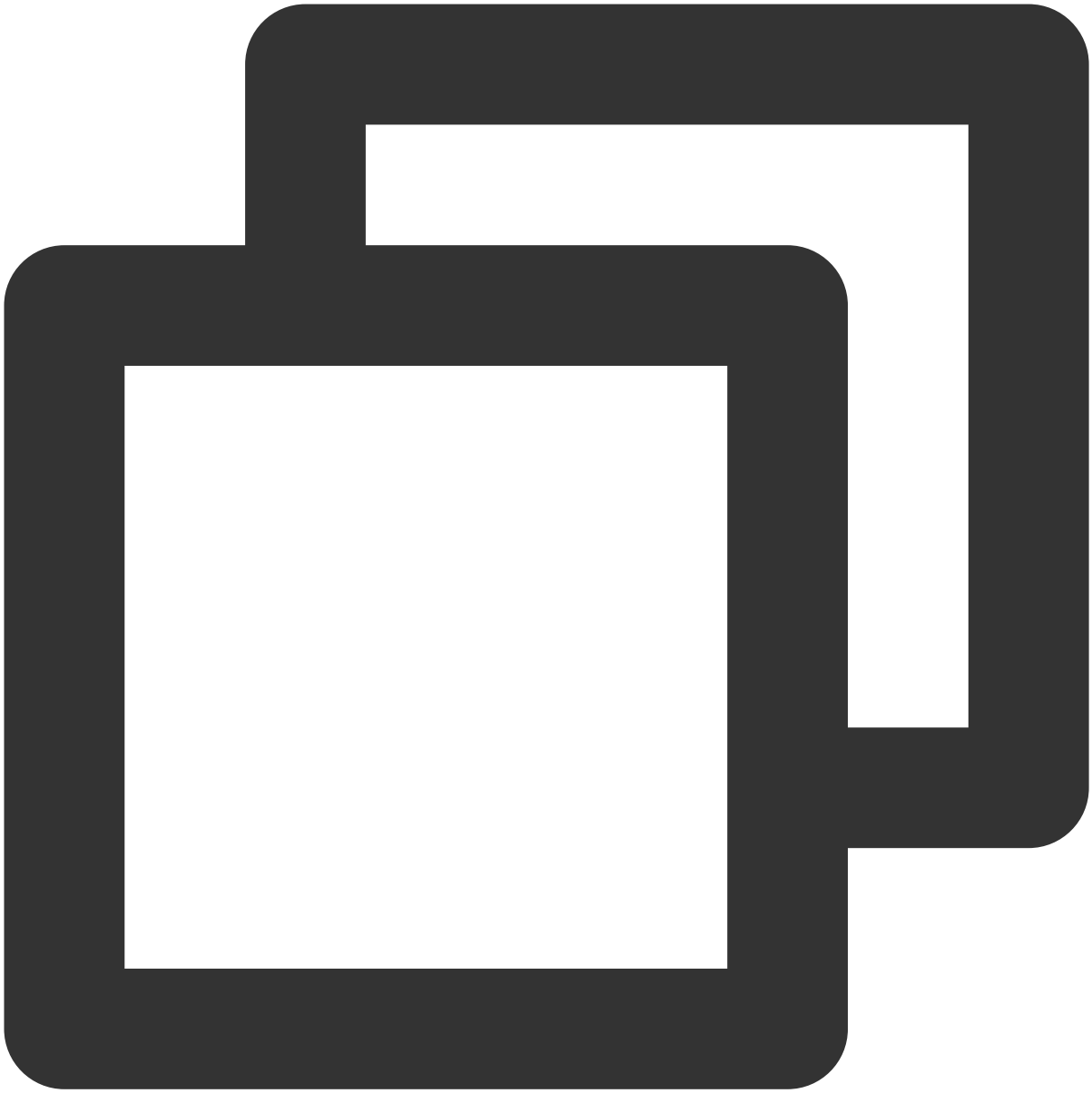
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmMWQxYjNfOTBmYTUwNjRfNWYyY18x</RequestId>
    <MediaWorkflow>
        <Name>workflow-1</Name>
        <State>Active</State>
        <WorkflowId>wc666d0b9f9dd47ae9137a096252d49f7</WorkflowId>
        <BucketId>test-1234567890</BucketId>
        <CreateTime>2022-07-14T12:37:28+0800</CreateTime>
        <UpdateTime>2022-07-14T12:37:28+0800</UpdateTime>
        <Topology>
            <Dependencies>
```

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```
            <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
            <Snapshot_1581665960536>End</Snapshot_1581665960536>
            <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
            <Segment_15816659605667>End</Segment_15816659605667>
            <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
            <PicProcess_15816659605668>End</PicProcess_15816659605668>
        </Dependencies>
        <Nodes>
            <Start>
                <Type>Start</Type>
                <Input>
                    <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                    <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                    <ObjectPrefix>input/workflow-1</ObjectPrefix>
                    <NotifyConfig>
                        <State>On</State>
                        <Url>http://www.callback.com</Url>
                        <Event>TaskFinish,WorkflowFinish</Event>
                        <Type>Url</Type>
                        <ResultFormat>JSON</ResultFormat>
                    </NotifyConfig>
                    <ExtFilter>
                        <State>On</State>
                        <Video>true</Video>
                        <Audio>false</Audio>
                        <Image>false</Image>
                        <Custom>false</Custom>
                        <AllFile>false</AllFile>
                    </ExtFilter>
                </Input>
            </Start>
            <Snapshot_1581665960536>
                <Type>Snapshot</Type>
                <Operation>
                    <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                        <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                    </Output>
                </Operation>
            </Snapshot_1581665960536>
            <Transcode_1581665960538>
                <Type>Transcode</Type>
                <Operation>
                    <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
```

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```
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/trans.{Ext}</Object>
                        </Output>
                    </Operation>
                </Transcode_1581665960538>
                <Segment_15816659605667>
                    <Type>Segment</Type>
                    <Operation>
                        <Segment>
                            <Format>mkv</Format>
                            <Duration>25</Duration>
                        </Segment>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>test-trans${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </Segment_15816659605667>
                <SmartCover_1581665960539>
                    <Type>SmartCover</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                        </Output>
                    </Operation>
                </SmartCover_1581665960539>
                <PicProcess_15816659605668>
                    <Type>PicProcess</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
        </Topology>
    </MediaWorkflow>
</Response>
```

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The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
Response	None	Same as Response in the workflow creation API.	Container	Yes

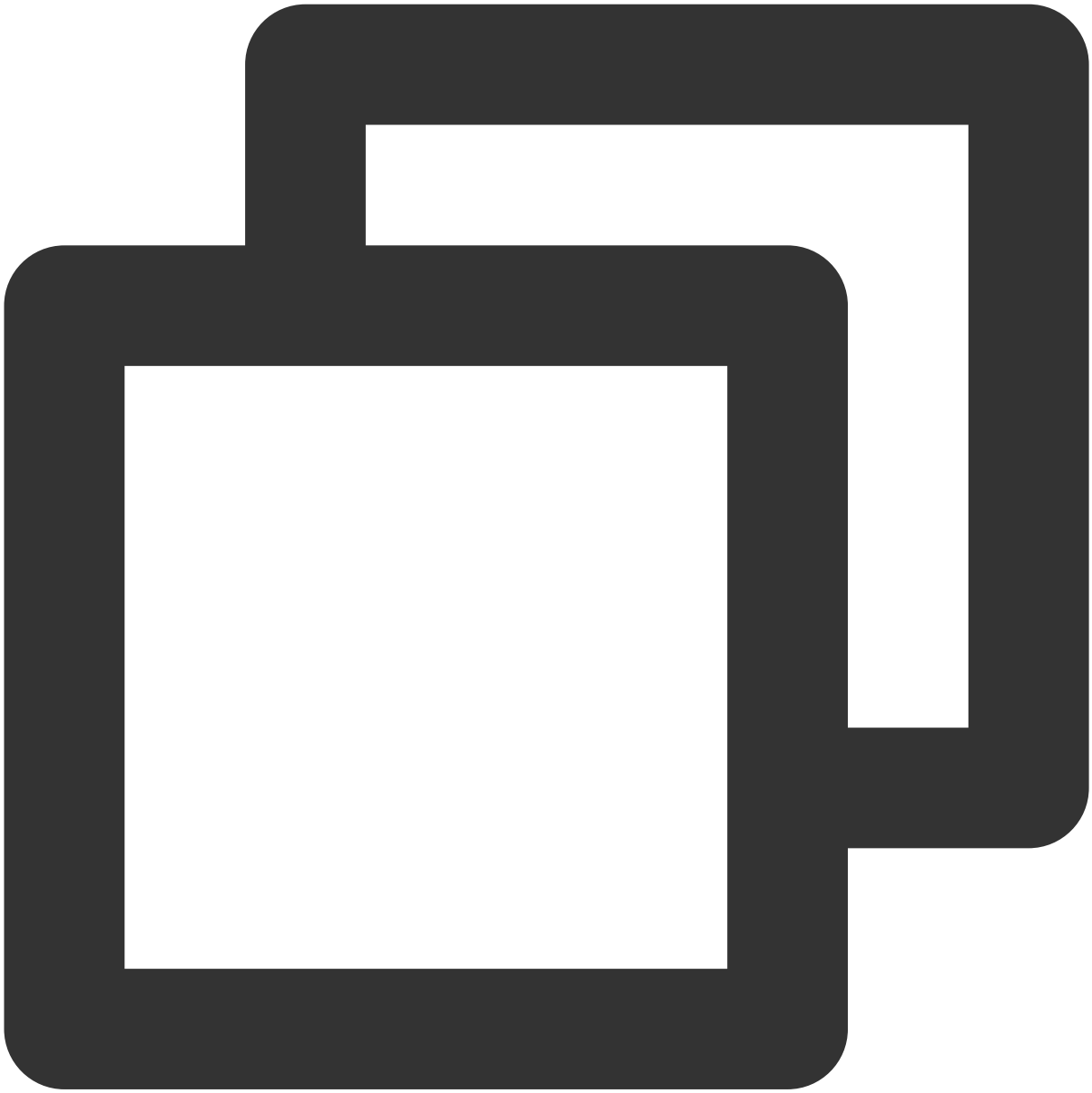
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1: Updating the workflow configuration

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```
PUT /workflow/wc666d0b9f9dd47ae9137a096252d49f7 HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <MediaWorkflow>
        <Name>workflow-1</Name>
        <State>Active</State>
        <Topology>
```

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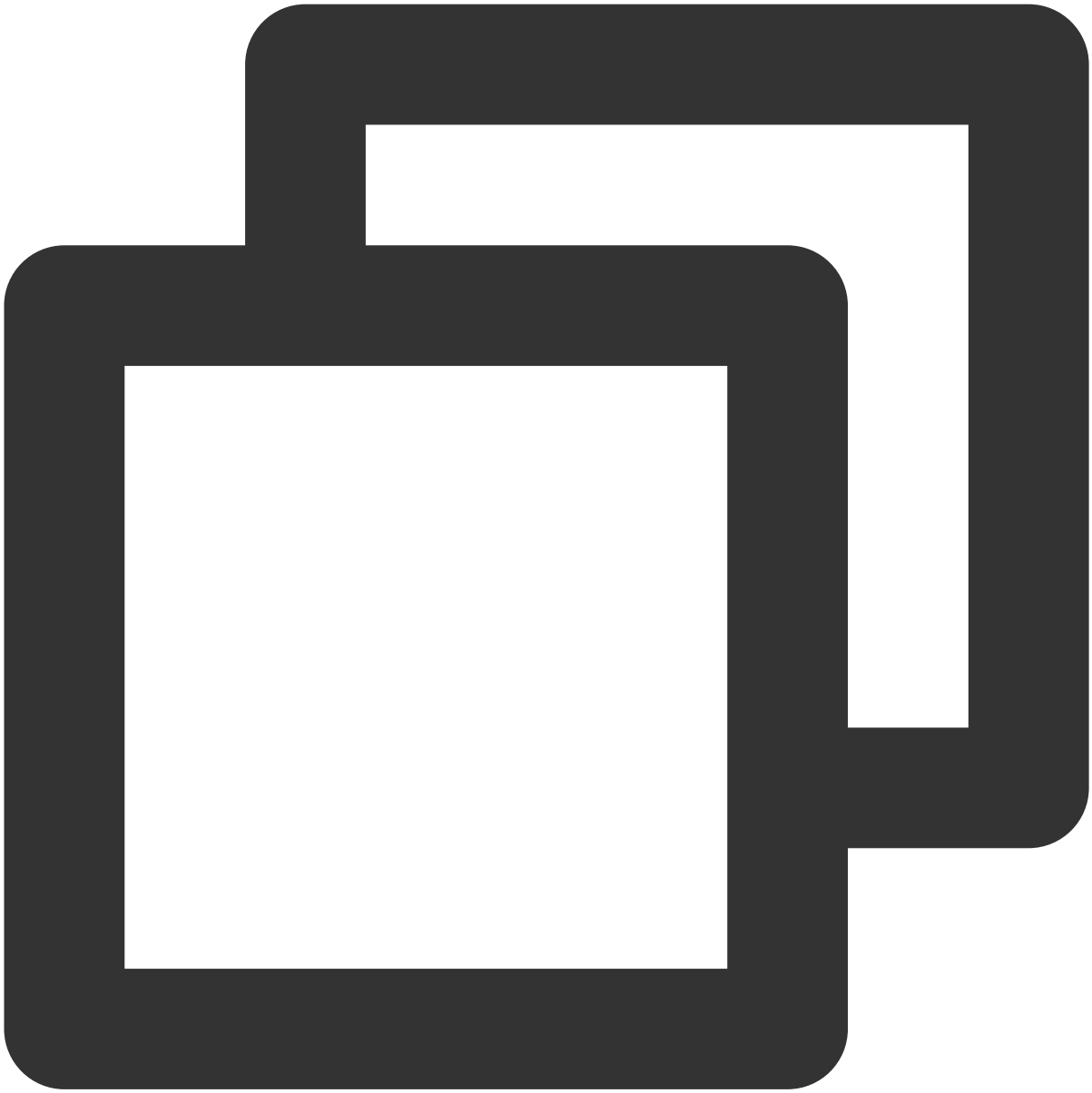
```
            <Dependencies>
                <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
                <Snapshot_1581665960536>End</Snapshot_1581665960536>
                <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
                <Segment_15816659605667>End</Segment_15816659605667>
                <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
                <PicProcess_15816659605668>End</PicProcess_15816659605668>
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <ObjectPrefix>input/workflow-1</ObjectPrefix>
                        <NotifyConfig>
                            <State>On</State>
                            <Url>http://www.callback.com</Url>
                            <Event>TaskFinish,WorkflowFinish</Event>
                            <Type>Url</Type>
                            <ResultFormat>JSON</ResultFormat>
                        </NotifyConfig>
                        <ExtFilter>
                            <State>On</State>
                            <Video>true</Video>
                            <Audio>false</Audio>
                            <Image>false</Image>
                            <Custom>false</Custom>
                            <AllFile>false</AllFile>
                        </ExtFilter>
                    </Input>
                </Start>
                <Snapshot_1581665960536>
                    <Type>Snapshot</Type>
                    <Operation>
                        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                            <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                        </Output>
                    </Operation>
                </Snapshot_1581665960536>
                <Transcode_1581665960538>
                    <Type>Transcode</Type>
                    <Operation>
                        <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                        <Output>
```

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```
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>bcd/${RunId}/trans.{Ext}</Object>
                    </Output>
                </Operation>
            </Transcode_1581665960538>
            <Segment_15816659605667>
                <Type>Segment</Type>
                <Operation>
                    <Segment>
                        <Format>mkv</Format>
                        <Duration>25</Duration>
                    </Segment>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>test-trans${Number}.{Ext}</Object>
                    </Output>
                </Operation>
            </Segment_15816659605667>
            <SmartCover_1581665960539>
                <Type>SmartCover</Type>
                <Operation>
                    <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                    </Output>
                </Operation>
            </SmartCover_1581665960539>
            <PicProcess_15816659605668>
                <Type>PicProcess</Type>
                <Operation>
                    <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>bcd/${RunId}/pic.{Ext}</Object>
                    </Output>
                </Operation>
            </PicProcess_15816659605668>
        </Nodes>
    </Topology>
</MediaWorkflow>
</Request>
```

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Response 1



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjJmMWQxYjNfOTBmYTUwNjRfNWYyY18x

<Response>
```

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```
<RequestId>NjJmMWQxYjNfOTBmYTUwNjRfNWYyY18x</RequestId>
<MediaWorkflow>
    <Name>workflow-1</Name>
    <State>Active</State>
    <WorkflowId>wc666d0b9f9dd47ae9137a096252d49f7</WorkflowId>
    <BucketId>test-1234567890</BucketId>
    <CreateTime>2022-07-14T12:37:28+0800</CreateTime>
    <UpdateTime>2022-07-14T12:37:28+0800</UpdateTime>
    <Topology>
        <Dependencies>
            <Start>Snapshot_1581665960536,Transcode_1581665960538</Start>
            <Snapshot_1581665960536>End</Snapshot_1581665960536>
            <Transcode_1581665960538>Segment_15816659605667,SmartCover_15816659
            <Segment_15816659605667>End</Segment_15816659605667>
            <SmartCover_1581665960539>PicProcess_15816659605668</SmartCover_158
            <PicProcess_15816659605668>End</PicProcess_15816659605668>
        </Dependencies>
        <Nodes>
            <Start>
                <Type>Start</Type>
                <Input>
                    <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                    <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                    <ObjectPrefix>input/workflow-1</ObjectPrefix>
                    <NotifyConfig>
                        <State>On</State>
                        <Url>http://www.callback.com</Url>
                        <Event>TaskFinish,WorkflowFinish</Event>
                        <Type>Url</Type>
                        <ResultFormat>JSON</ResultFormat>
                    </NotifyConfig>
                    <ExtFilter>
                        <State>On</State>
                        <Video>true</Video>
                        <Audio>false</Audio>
                        <Image>false</Image>
                        <Custom>false</Custom>
                        <AllFile>false</AllFile>
                    </ExtFilter>
                </Input>
            </Start>
            <Snapshot_1581665960536>
                <Type>Snapshot</Type>
                <Operation>
                    <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
```

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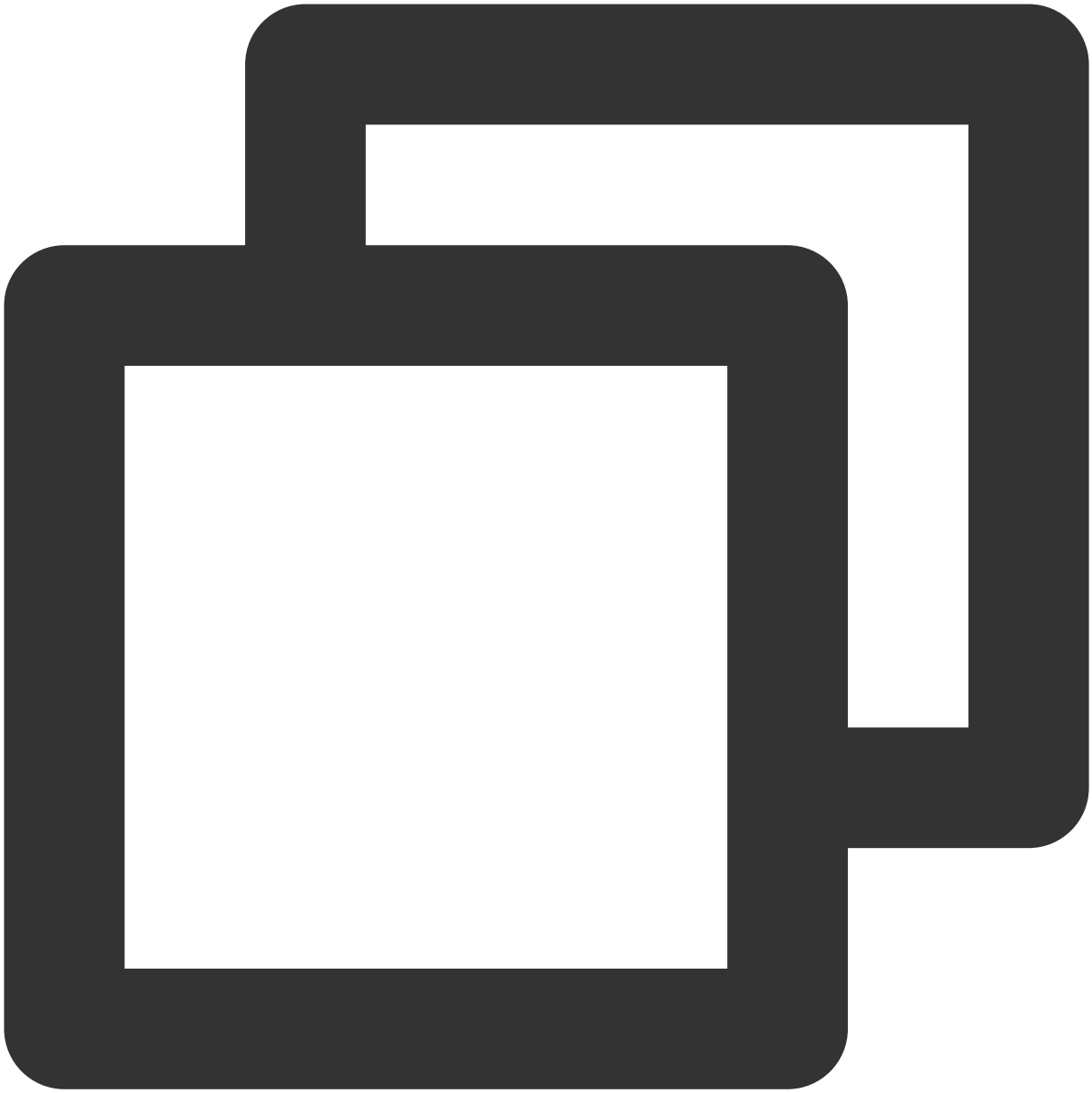
```
                    <Bucket>test-1234567890</Bucket>
                    <Object>abc/${RunId}/snapshot-${number}.${Ext}</Object>
                    <SpriteObject>abc/${RunId}/sprite-${number}.${Ext}</Spr
                </Output>
            </Operation>
        </Snapshot_1581665960536>
        <Transcode_1581665960538>
            <Type>Transcode</Type>
            <Operation>
                <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>bcd/${RunId}/trans.{Ext}</Object>
                </Output>
            </Operation>
        </Transcode_1581665960538>
        <Segment_15816659605667>
            <Type>Segment</Type>
            <Operation>
                <Segment>
                    <Format>mkv</Format>
                    <Duration>25</Duration>
                </Segment>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>test-trans${Number}.{Ext}</Object>
                </Output>
            </Operation>
        </Segment_15816659605667>
        <SmartCover_1581665960539>
            <Type>SmartCover</Type>
            <Operation>
                <TemplateId>t16e81a29fe48c4e23acefc247a7792b63</TemplateId>
                <Output>
                    <Region>ap-chongqing</Region>
                    <Bucket>test-1234567890</Bucket>
                    <Object>abc/${RunId}/cover-${Number}.{Ext}</Object>
                </Output>
            </Operation>
        </SmartCover_1581665960539>
        <PicProcess_15816659605668>
            <Type>PicProcess</Type>
            <Operation>
                <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
                <Output>
```

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```
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>bcd/${RunId}/pic.{Ext}</Object>
                        </Output>
                    </Operation>
                </PicProcess_15816659605668>
            </Nodes>
        </Topology>
    </MediaWorkflow>
</Response>
```

Request 2: Disabling a workflow

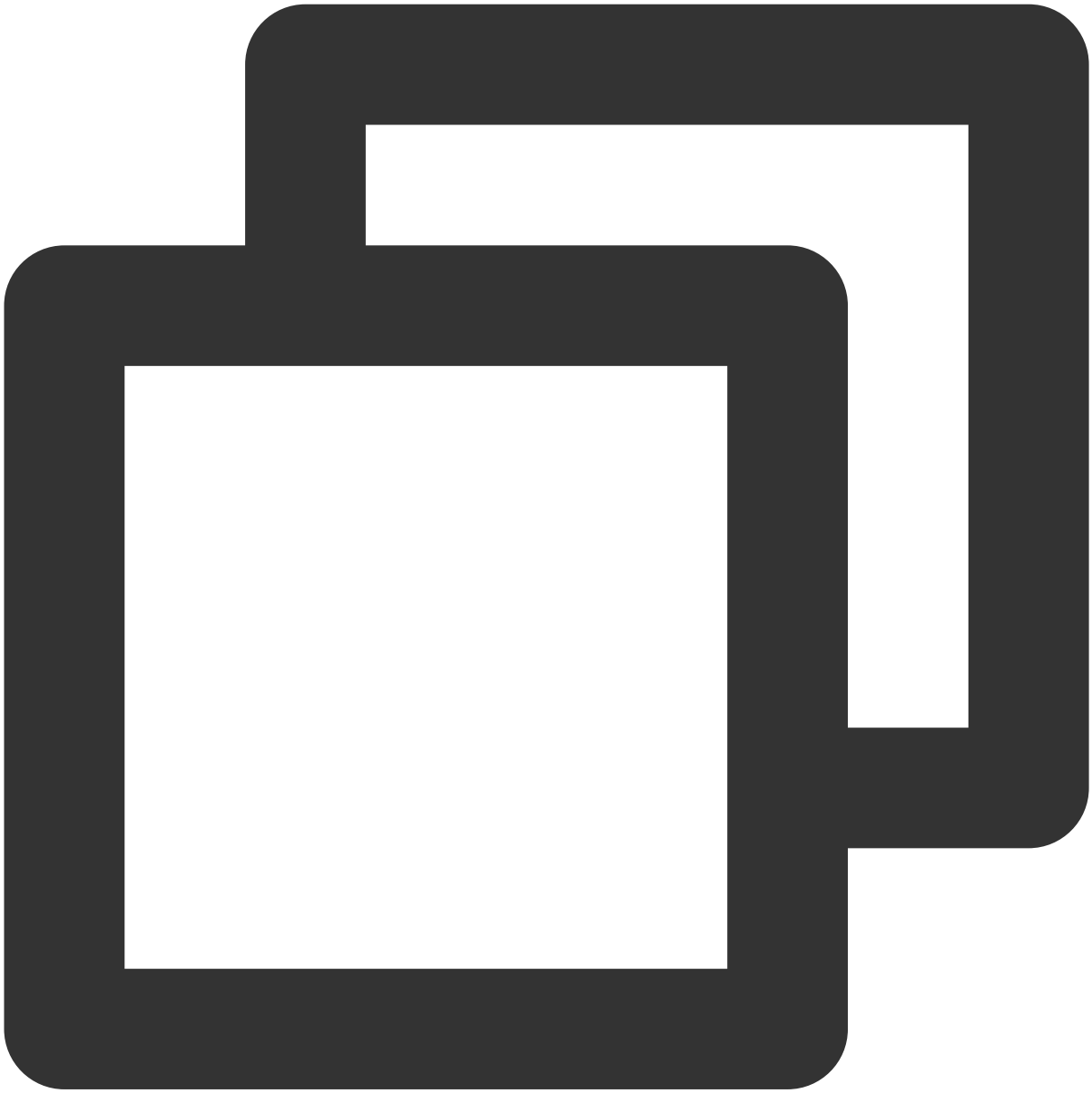
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```
PUT /workflow/wc666d0b9f9dd47ae9137a096252d49f7?paused HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response 2

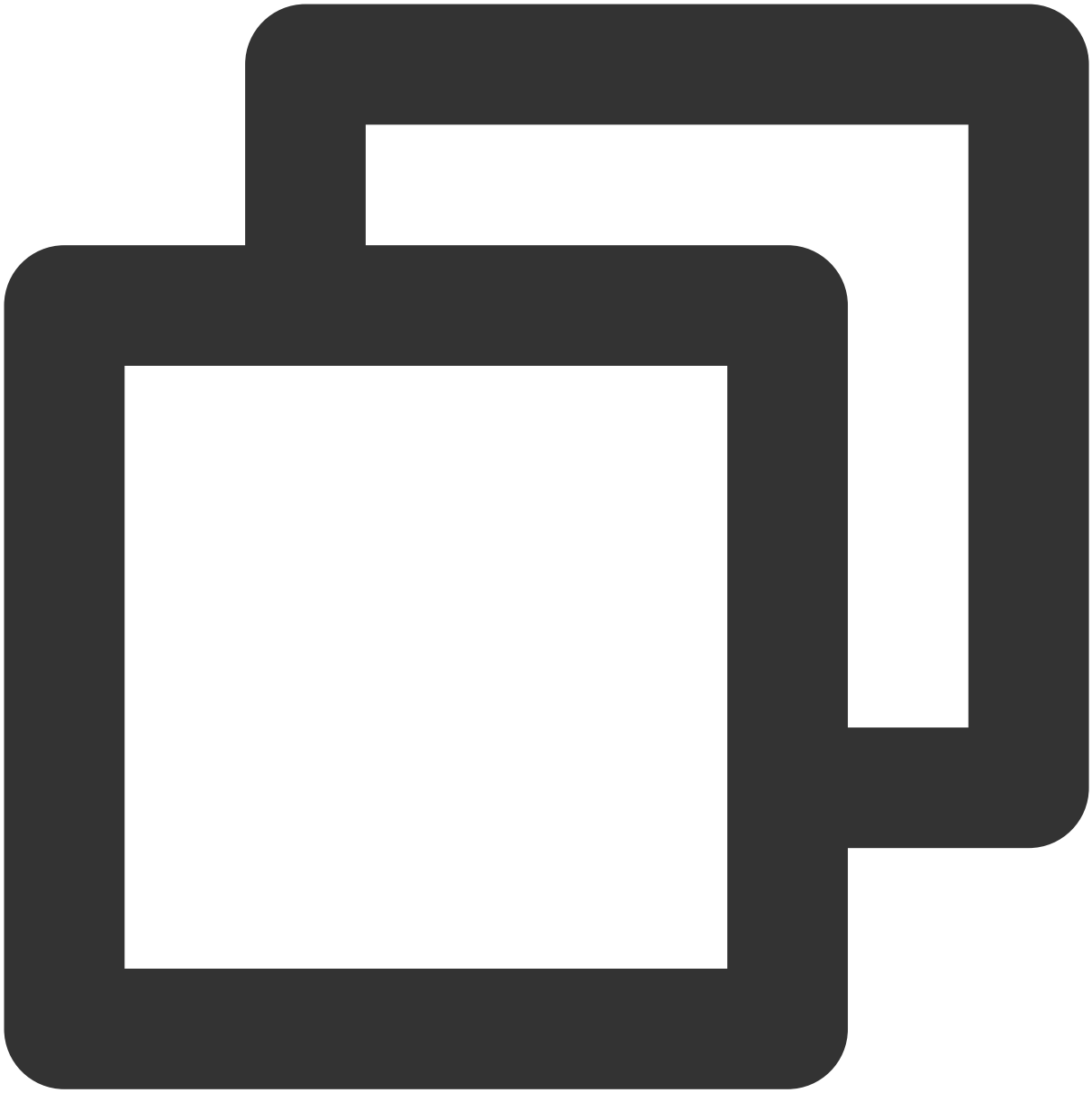
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```
HTTP/1.1 200 OK
Content-Length: 0
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjJmMWRiMDlfOTBmYTUwNjRfNWYzMl80
```

Request 3: Enabling a workflow

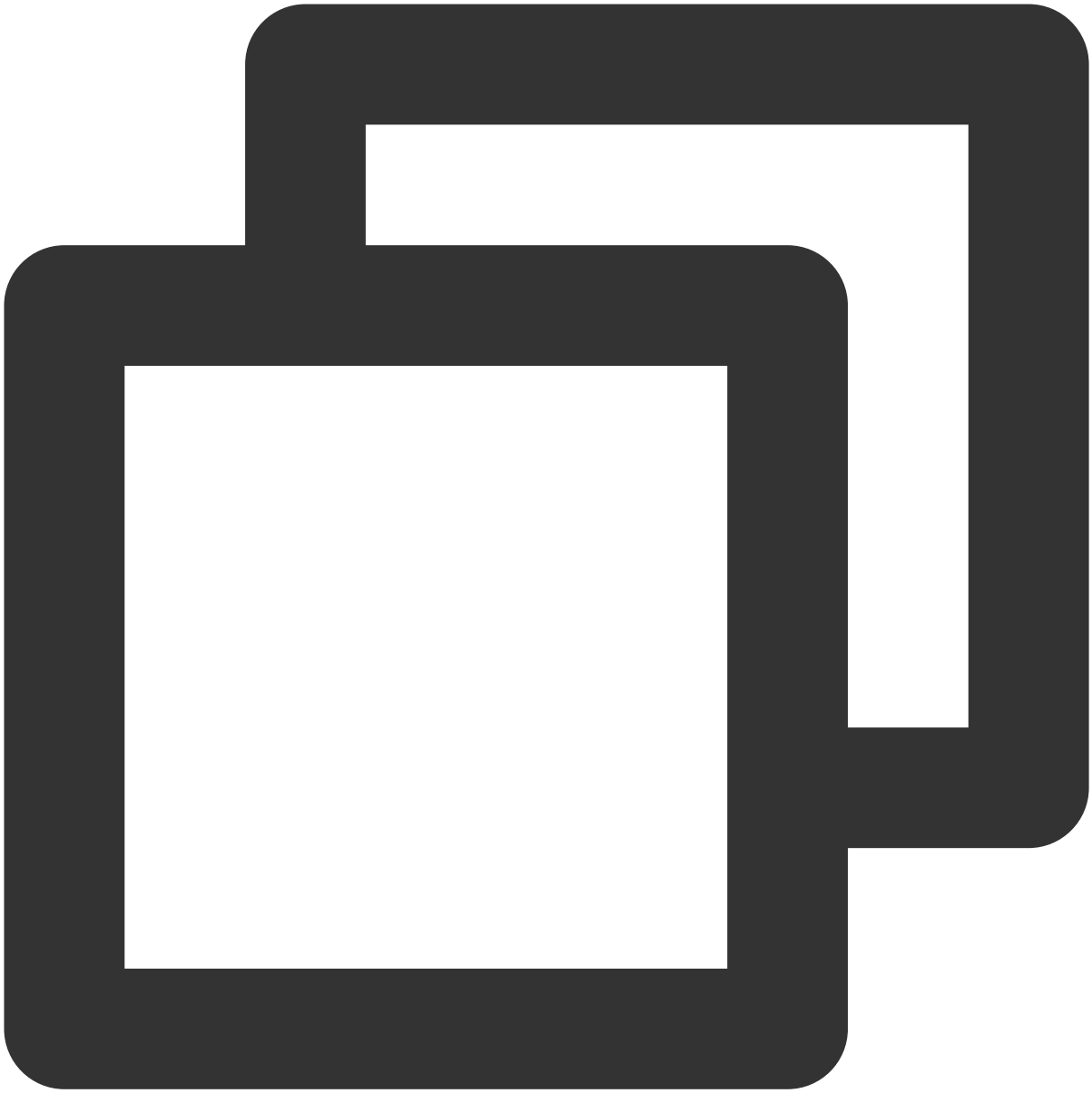
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```
PUT /workflow/wc666d0b9f9dd47ae9137a096252d49f7?active HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response 3

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```
HTTP/1.1 200 OK
Content-Length: 0
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjJmMWRiMDlfOTBmYTUwNjRfNWYzMl80
```

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Testing Workflow

Last updated：2024-02-27 15:15:38

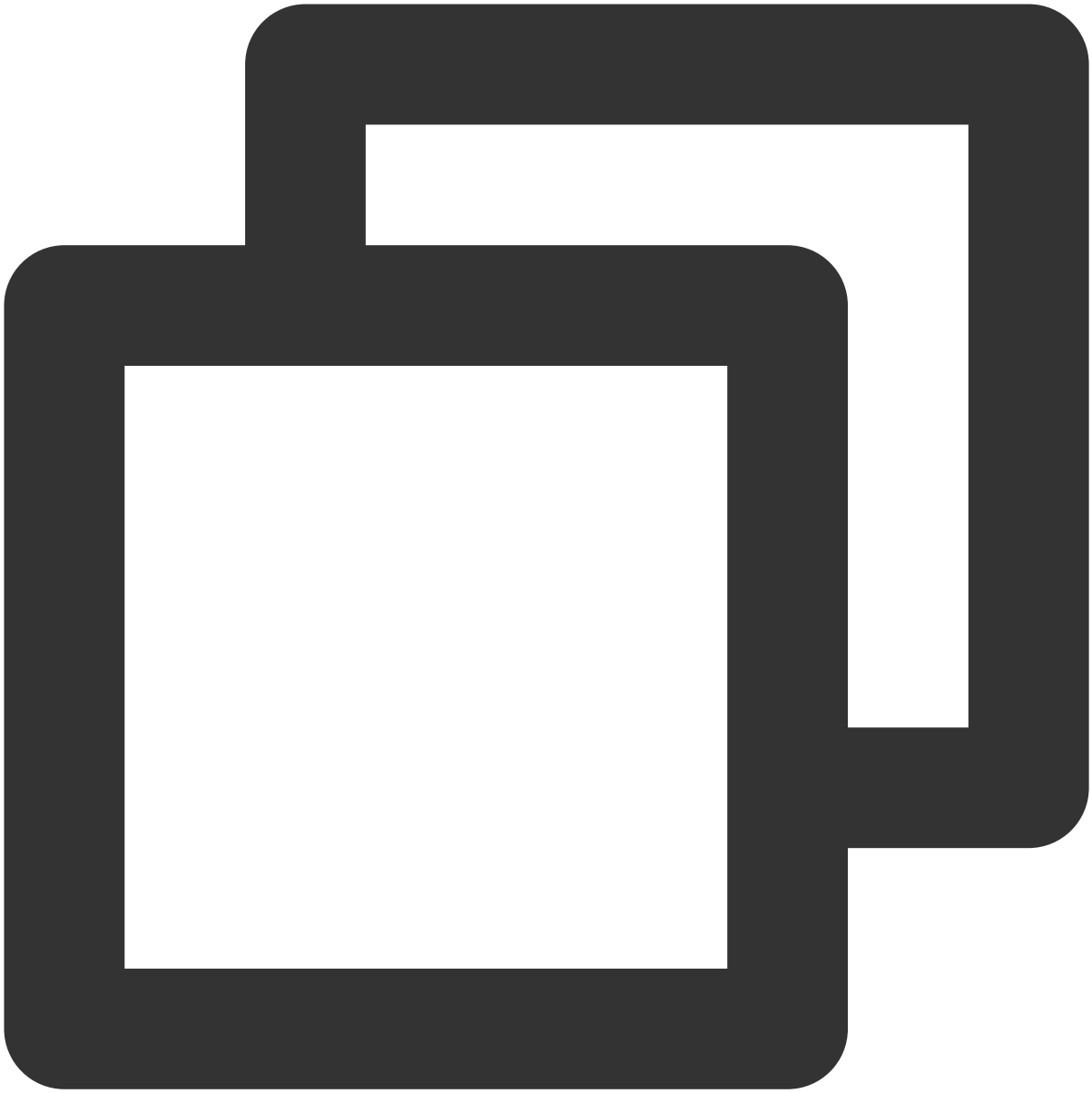
Feature Description

This API is used to test a workflow.

Request

Sample request

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```
POST /triggerworkflow?workflowId=xxx&object=xxx HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request parameters

Field	Description	Type	Required
workflowId	ID of the workflow to trigger	String	Yes
object	Name of the object that requires workflow processing, which needs to be URL-encoded.	String	Yes
name	Batch data processing job name, which can contain up to 128 letters, digits, hyphens, and underscores and is empty by default	String	No

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

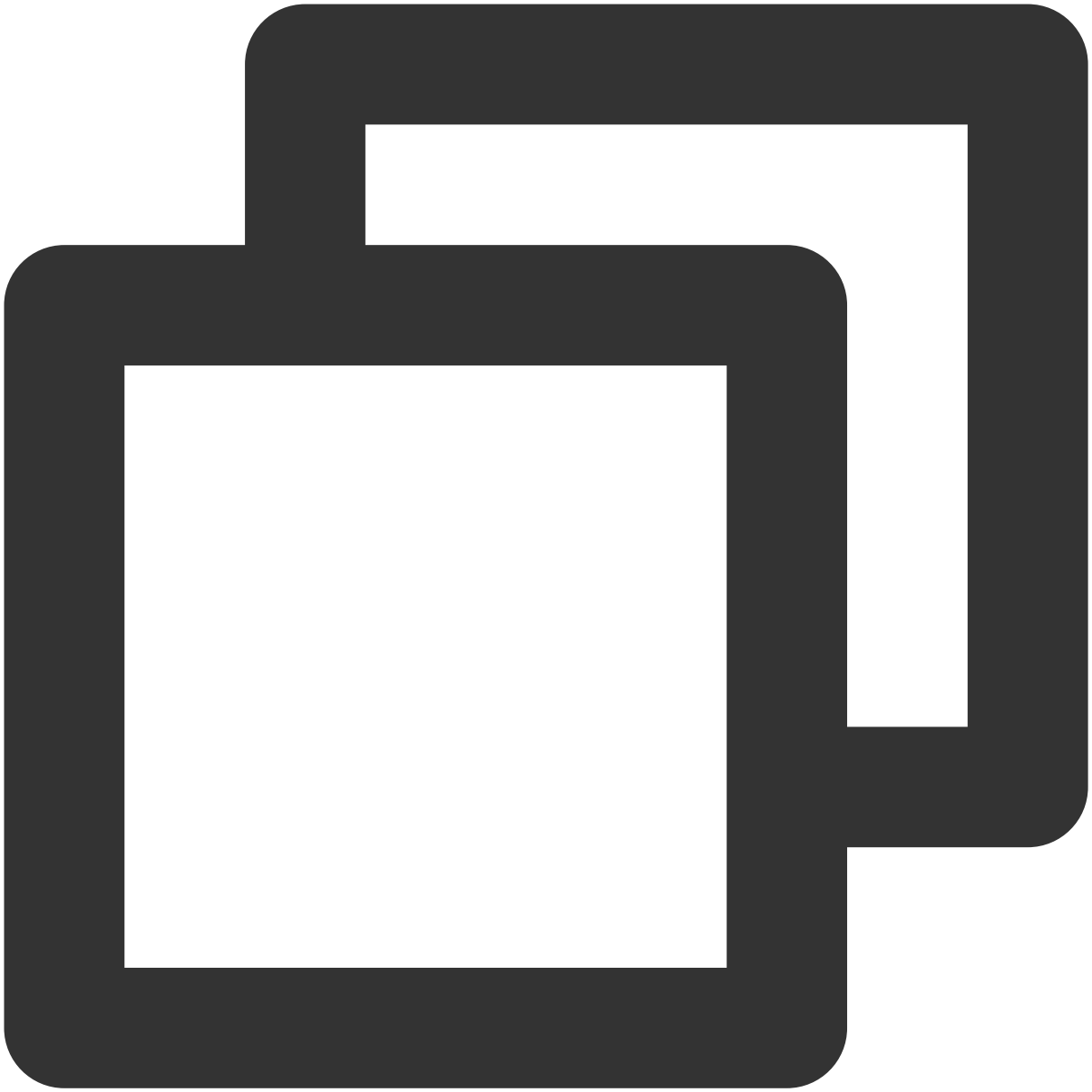
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmMWZmMzRfOTBmYTUwNjRfNjVmOF8x</RequestId>
    <InstanceId>i6fc78ca77d6011eba0ac5254008618d9=</InstanceId>
<Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
InstanceId	Response	Instance ID	String

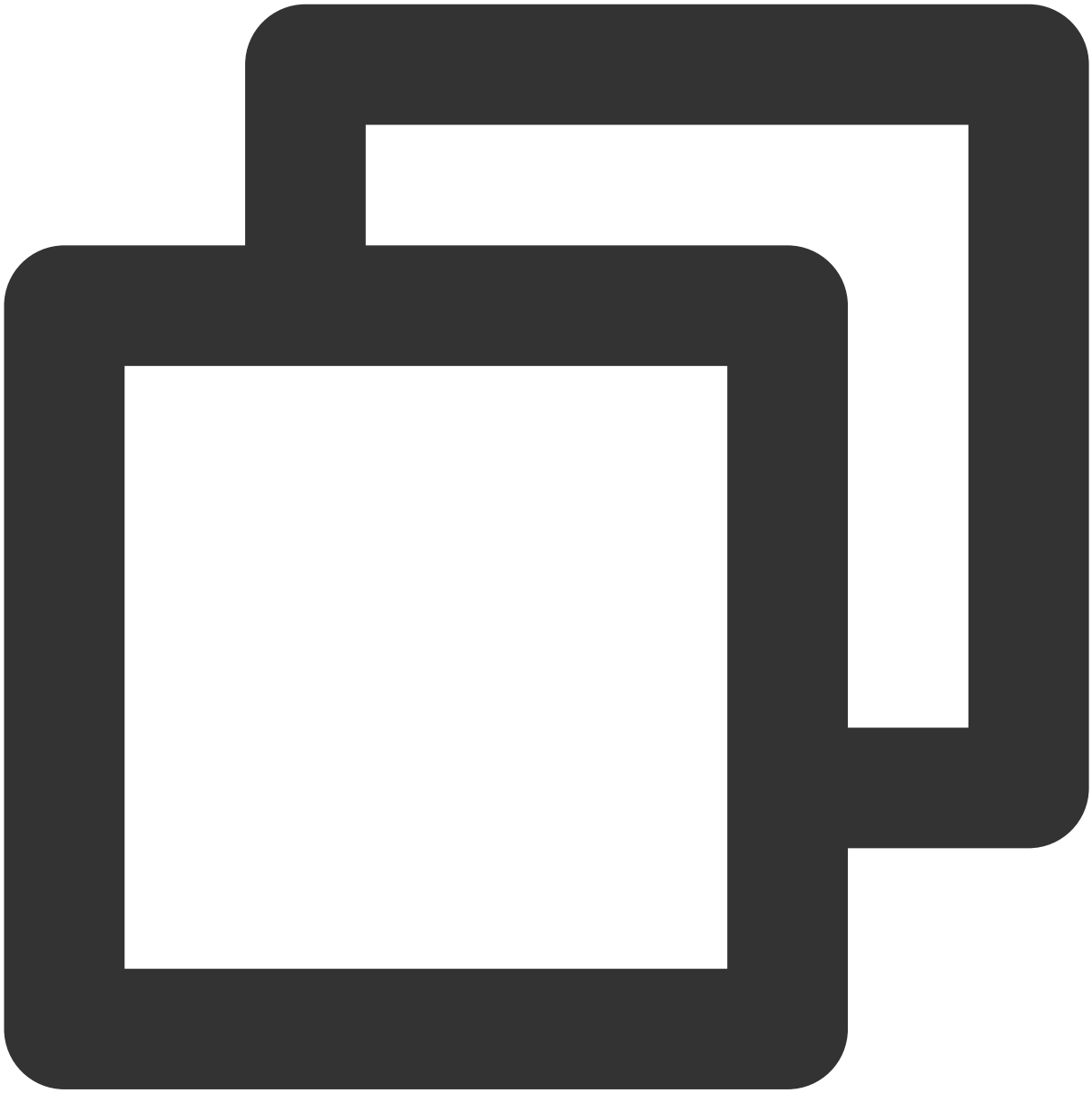
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

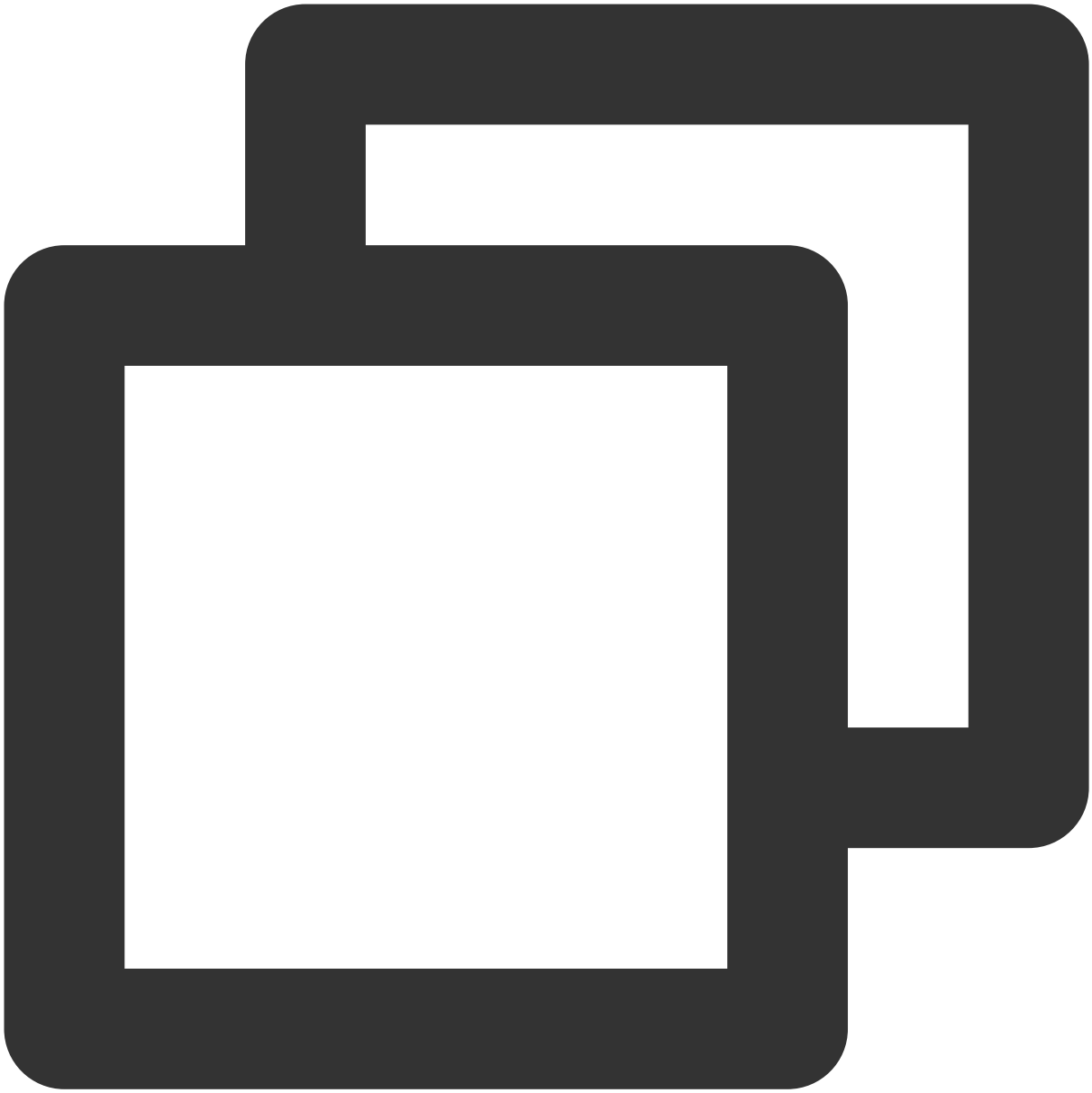
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```
POST /triggerworkflow?workflowId=we59a9648e62e48ffb25e4b41f3721799&object=test.mp4
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjJmMWZmMzRfOTBmYTUwNjRfNjVmOF8x

<Response>
    <RequestId>NjJmMWZmMzRfOTBmYTUwNjRfNjVmOF8x</RequestId>
    <InstanceId>i6fc78ca77d6011eba0ac5254008618d9=</InstanceId>
```

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```
<Response>
```

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Workflow Callback

Last updated：2024-02-27 15:15:38

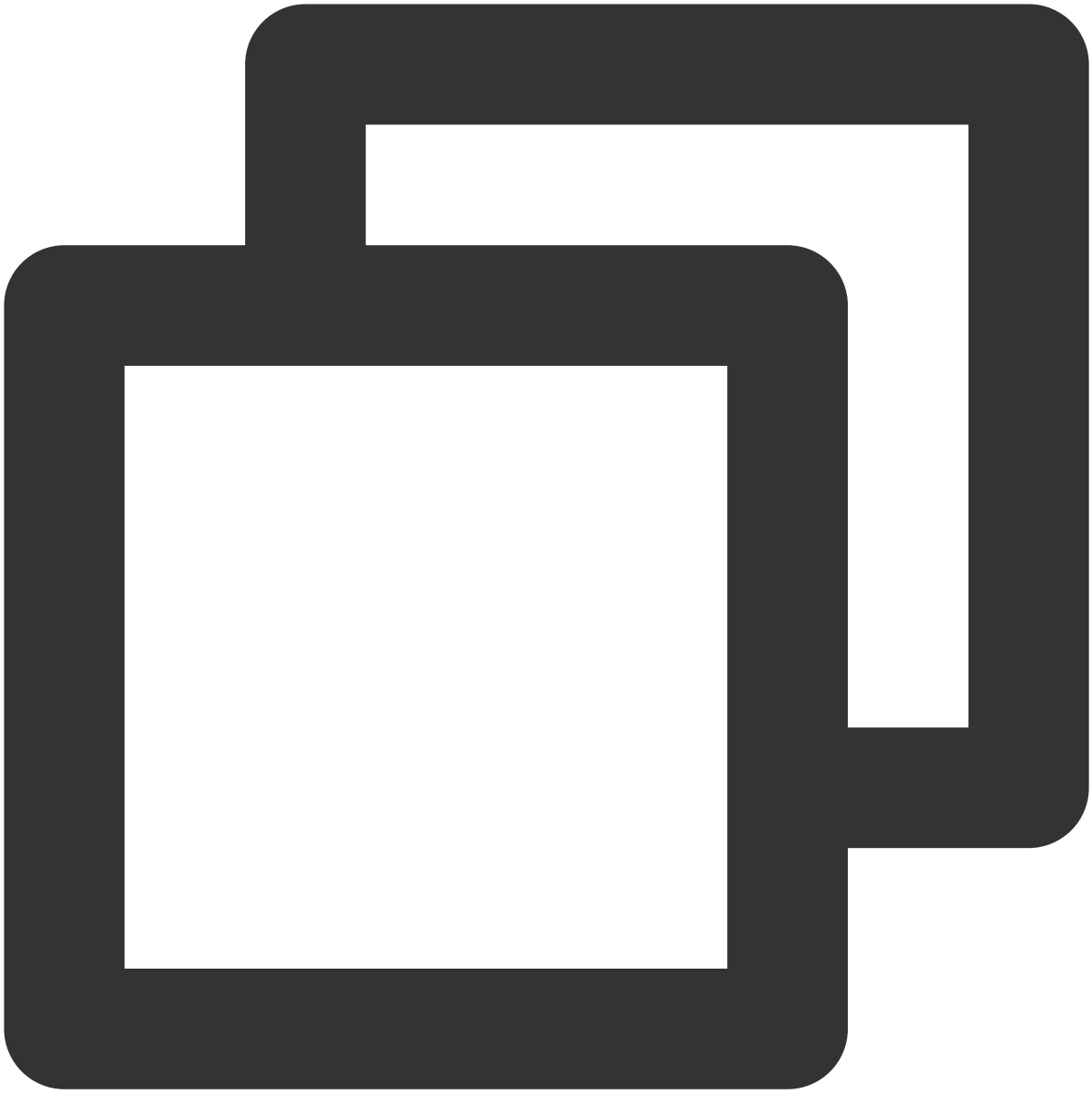
Feature Description

CI supports user-defined callback URLs. With a workflow enabled, after each instance is executed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the workflow instance so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>WorkflowFinish</EventName>
    <WorkflowExecution>
        <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
        <WorkflowName>workflow-3</WorkflowName>
        <RunId>i166ee19017b011eda8a5525400c540df</RunId>
        <State>Success</State>
        <BucketId>test-1234567890</BucketId>
        <Object>wk-test/game.mp4</Object>
        <CreateTime>2022-08-09 14:54:17+0800</CreateTime>
        <CosHeaders>
```

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```
            <Key>Content-Type</Key>
            <Value>video/mp4</Value>
        </CosHeaders>
        <CosHeaders>
            <Key>x-cos-request-id</Key>
            <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
        </CosHeaders>
        <Tasks>
            <Type>Snapshot</Type>
            <CreateTime>2022-08-09 14:54:40+0800</CreateTime>
            <EndTime>2022-08-09 14:54:42+0800</EndTime>
            <State>Success</State>
            <JobId>j23c11e1e17b011edaab4ab15ec33d076</JobId>
            <Name>Snapshot_1581665960536</Name>
            <TemplateId>t07740e32081b44ad7a0aea03adcffd54a</TemplateId>
            <TemplateName>snapshot_1280*720_3</TemplateName>
        </Tasks>
        <Tasks>
            <Type>Transcode</Type>
            <CreateTime>2022-08-09 14:54:18+0800</CreateTime>
            <EndTime>2022-08-09 14:54:39+0800</EndTime>
            <State>Success</State>
            <JobId>j168668b217b011ed8efb27bb229e2d11</JobId>
            <Name>Transcode_1581665960537</Name>
            <TemplateId>t01e57db1c2d154d2fb57aa5de9313a897</TemplateId>
            <TemplateName>MP4-265-SD</TemplateName>
        </Tasks>
    </WorkflowExecution>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `WorkflowFinish` .	String
WorkflowExecution	Response	Workflow details	Container

`WorkflowExecution` has the following sub-nodes:

Node Name	Parent Node	Description	Type

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(Keyword)			
WorkflowId	Response.WorkflowExecution	Workflow ID	String
WorkflowName	Response.WorkflowExecution	Workflow name	String
RunId	Response.WorkflowExecution	Workflow instance ID	String
State	Response.WorkflowExecution	Instance status. The value can be `Success` or `Failed`. As long as one job is in `Failed` status, the instance is regarded as `Failed`.	String
BucketId	Response.WorkflowExecution	Bucket of the processed file	String
Object	Response.WorkflowExecution	Name of the file processed by the instance	String
CreateTime	Response.WorkflowExecution	Instance creation time	String
CosHeaders	Response.WorkflowExecution	List of custom headers configured during object upload. If no list is configured, this node will not be included.	Container array
Tasks	Response.WorkflowExecution	Job information list	Container array

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.WorkflowExecution.CosHeaders	Name of the custom header	String
Value	Response.WorkflowExecution.CosHeaders	Value of the custom header	String

`Tasks` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Type	Response.WorkflowExecution.Tasks	Job type	String
Createtime	Response.WorkflowExecution.Tasks	Job creation time	String
StartTime	Response.WorkflowExecution.Tasks	Job start time	String
EndTime	Response.WorkflowExecution.Tasks	Job end time	String

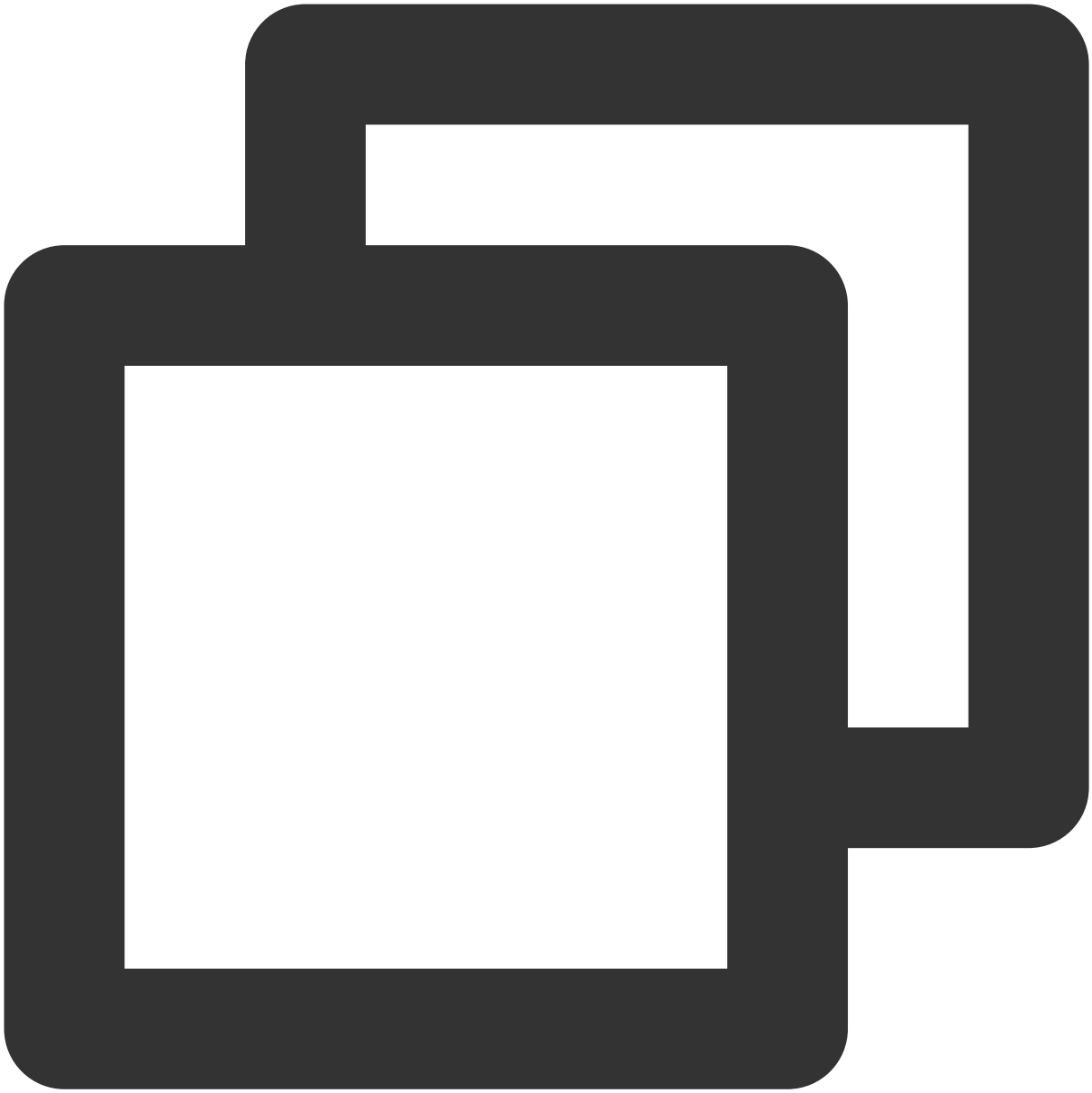
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State	Response.WorkflowExecution.Tasks	Job status. Valid values: `Success`, `Failed`.	String
JobId	Response.WorkflowExecution.Tasks	Job ID	String
Name	Response.WorkflowExecution.Tasks	Name of the job node in the workflow	String
TemplateId	Response.WorkflowExecution.Tasks	Job template ID	String
TemplateName	Response.WorkflowExecution.Tasks	Job template name	String

Samples

Sample 1 (XML)

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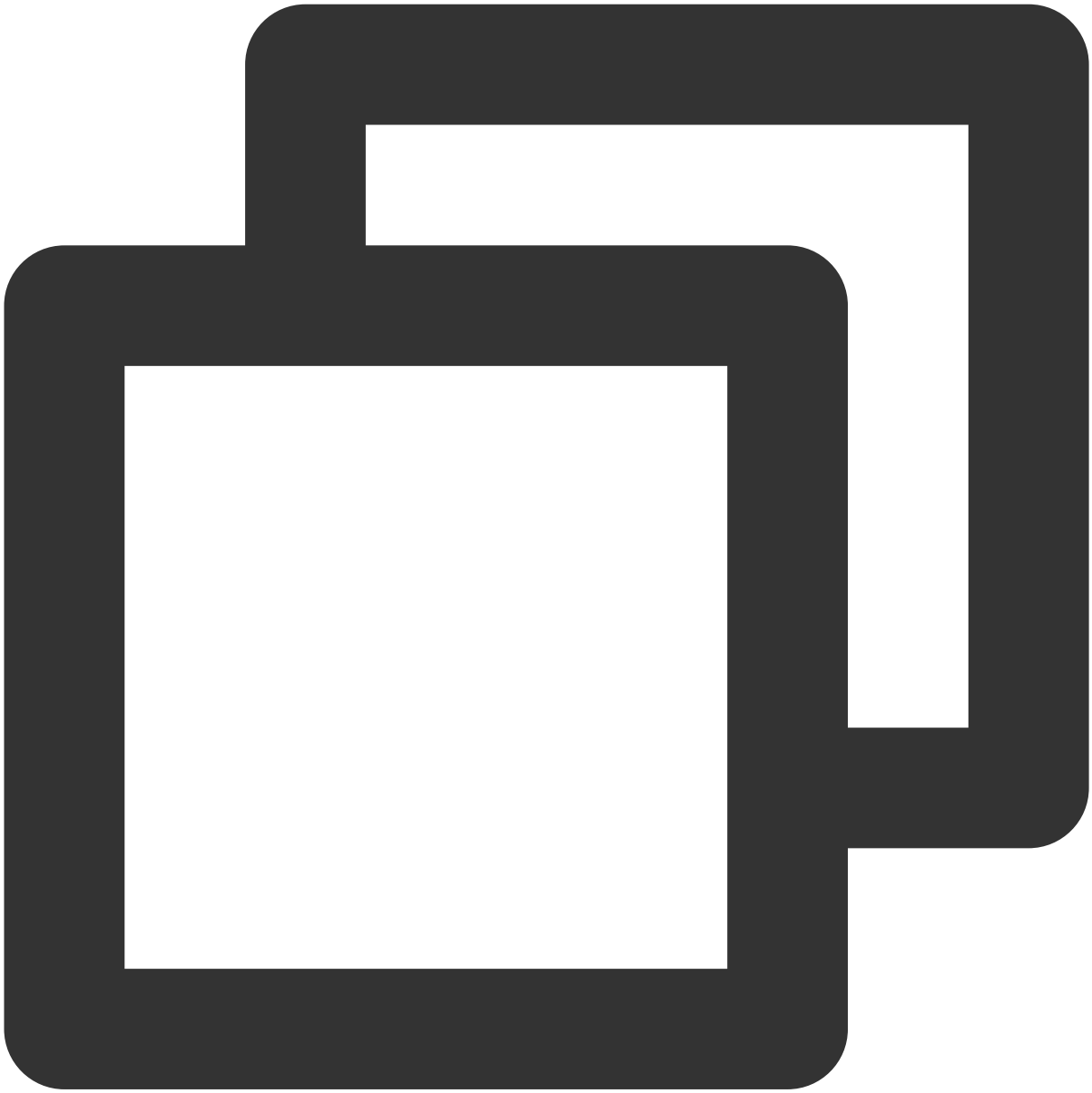
```
<Response>
    <EventName>WorkflowFinish</EventName>
    <WorkflowExecution>
        <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
        <WorkflowName>workflow-3</WorkflowName>
        <RunId>i166ee19017b011eda8a5525400c540df</RunId>
        <State>Success</State>
        <BucketId>test-1234567890</BucketId>
        <Object>wk-test/game.mp4</Object>
        <CreateTime>2022-08-09 14:54:17+0800</CreateTime>
        <CosHeaders>
```

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```
            <Key>Content-Type</Key>
            <Value>video/mp4</Value>
        </CosHeaders>
        <CosHeaders>
            <Key>x-cos-request-id</Key>
            <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
        </CosHeaders>
        <Tasks>
            <Type>Snapshot</Type>
            <CreateTime>2022-08-09 14:54:40+0800</CreateTime>
            <EndTime>2022-08-09 14:54:42+0800</EndTime>
            <State>Success</State>
            <JobId>j23c11e1e17b011edaab4ab15ec33d076</JobId>
            <Name>Snapshot_1581665960536</Name>
            <TemplateId>t07740e32081b44ad7a0aea03adcffd54a</TemplateId>
            <TemplateName>snapshot_1280*720_3</TemplateName>
        </Tasks>
        <Tasks>
            <Type>Transcode</Type>
            <CreateTime>2022-08-09 14:54:18+0800</CreateTime>
            <EndTime>2022-08-09 14:54:39+0800</EndTime>
            <State>Success</State>
            <JobId>j168668b217b011ed8efb27bb229e2d11</JobId>
            <Name>Transcode_1581665960537</Name>
            <TemplateId>t01e57db1c2d154d2fb57aa5de9313a897</TemplateId>
            <TemplateName>MP4-265-SD</TemplateName>
        </Tasks>
    </WorkflowExecution>
</Response>
```

Sample 2 (JSON)

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```
{
    "EventName": "WorkflowFinish",
    "WorkflowExecution": {
        "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
        "WorkflowName": "workflow-3",
        "RunId": "i166ee19017b011eda8a5525400c540df",
        "State": "Success",
        "BucketId": "test-1234567890",
        "Object": "wk-test/game.mp4",
        "CreateTime": "2022-08-09 14:54:17+0800",
        "CosHeaders": [{
```


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```
                "Key": "Content-Type",
                "Value": "video/mp4"
            },
            {
                "Key": "x-cos-request-id",
                "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
            }
        ],
        "Tasks": [{
                "Type": "Snapshot",
                "CreateTime": "2022-08-09 14:54:40+0800",
                "EndTime": "2022-08-09 14:54:42+0800",
                "State": "Success",
                "JobId": "j23c11e1e17b011edaab4ab15ec33d076",
                "Name": "Snapshot_1581665960536",
                "TemplateId": "t07740e32081b44ad7a0aea03adcffd54a",
                "TemplateName": "snapshot_1280*720_3"
            },
            {
                "Type": "Transcode",
                "CreateTime": "2022-08-09 14:54:18+0800",
                "EndTime": "2022-08-09 14:54:39+0800",
                "State": "Success",
                "JobId": "j168668b217b011ed8efb27bb229e2d11",
                "Name": "Transcode_1581665960537",
                "TemplateId": "t01e57db1c2d154d2fb57aa5de9313a897",
                "TemplateName": "MP4-265-SD"
            }
        ]
    }
}
```


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Workflow Instance
Getting Workflow Instance Details

Last updated：2024-02-27 15:15:38

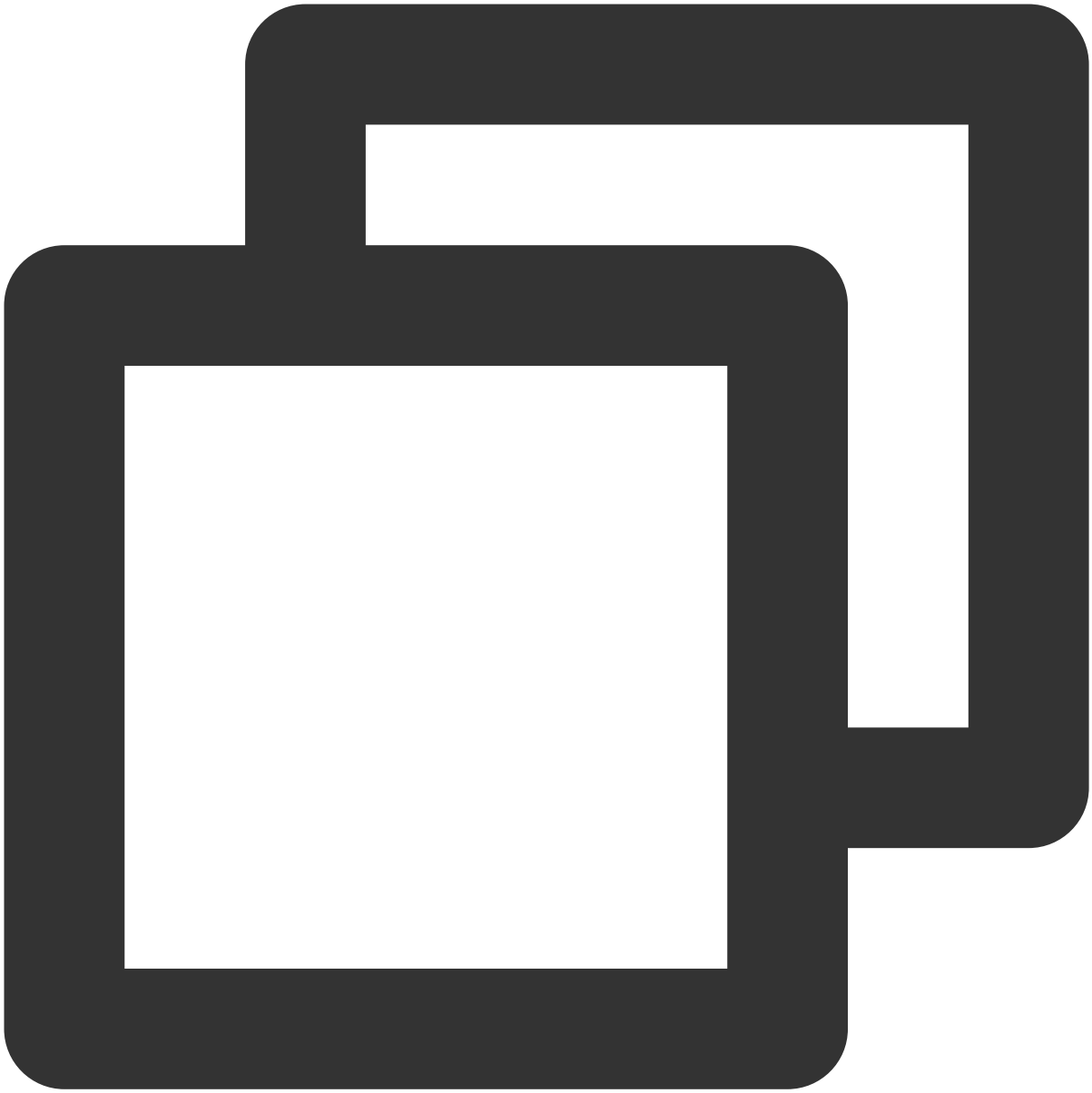
Feature Description

This API is used to get the details of a workflow instance.

Request

Sample request

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```
GET /workflowexecution/<RunId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

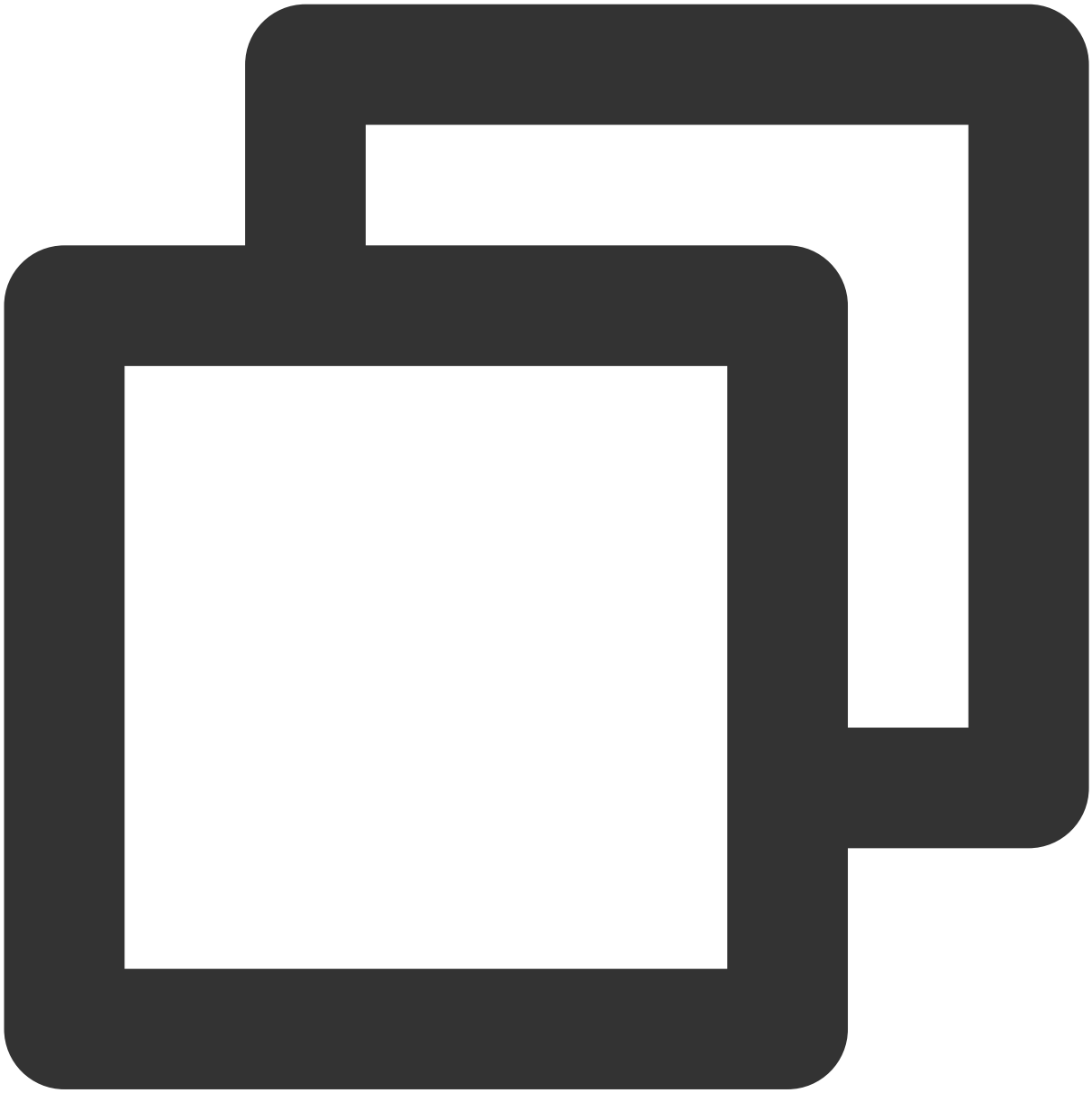
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJmMjA5MjZfZWM0YTYyNjRfN2U3ZF8yNzk1</RequestId>
    <WorkflowExecution>
        <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
        <Name>workflow-1</Name>
        <RunId>i166ee19017b011eda8a5525400c540df</RunId>
        <CreateTime>2022-08-09T14:54:17+08:00</CreateTime>
        <Object>wk-test/game.mp4</Object>
        <State>Success</State>
        <Topology>
            <Dependencies>
```

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```
            <Start>Transcode_1581665960537</Start>
            <Snapshot_1581665960536>End</Snapshot_1581665960536>
            <Transcode_1581665960537>Snapshot_1581665960536</Transcode_15816659
        </Dependencies>
        <Nodes>
            <Start>
                <Type>Start</Type>
                <Input>
                    <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                    <ObjectPrefix>/wk-test</ObjectPrefix>
                    <ExtFilter>
                        <State>On</State>
                        <Video>false</Video>
                        <Audio>false</Audio>
                        <ContentType>false</ContentType>
                        <Custom>true</Custom>
                        <CustomExts>mp4</CustomExts>
                        <AllFile>false</AllFile>
                        <Image>false</Image>
                    </ExtFilter>
                    <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                </Input>
            </Start>
            <Snapshot_1581665960536>
                <Type>Snapshot</Type>
                <Operation>
                    <TemplateId>t07740e32081b44ad7a0aea03adcffd54a</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>snapshot-${number}.jpg</Object>
                    </Output>
                </Operation>
            </Snapshot_1581665960536>
            <Transcode_1581665960537>
                <Type>Transcode</Type>
                <Operation>
                    <TemplateId>t01e57db1c2d154d2fb57aa5de9313a897</TemplateId>
                    <Output>
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>trans1.mp4</Object>
                    </Output>
                </Operation>
            </Transcode_1581665960537>
        </Nodes>
    </Topology>
```

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```
        <Tasks>
            <Type>Snapshot</Type>
            <JobId>j23c11e1e17b011edaab4ab15ec33d076</JobId>
            <CreateTime>2022-08-09T14:54:40+08:00</CreateTime>
            <Name>Snapshot_1581665960536</Name>
            <State>Success</State>
            <StartTime>2022-08-09T14:54:40+08:00</StartTime>
            <EndTime>2022-08-09T14:54:42+08:00</EndTime>
            <Code>Success</Code>
            <Message></Message>
        </Tasks>
        <Tasks>
            <Type>Transcode</Type>
            <JobId>j168668b217b011ed8efb27bb229e2d11</JobId>
            <CreateTime>2022-08-09T14:54:18+08:00</CreateTime>
            <Name>Transcode_1581665960537</Name>
            <State>Success</State>
            <StartTime>2022-08-09T14:54:18+08:00</StartTime>
            <EndTime>2022-08-09T14:54:39+08:00</EndTime>
            <Code>Success</Code>
            <Message>success</Message>
        </Tasks>
    </WorkflowExecution>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Request ID	String
WorkflowExecution	Response	Workflow instance details	Container

`WorkflowExecution` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
WorkflowId	Response.WorkflowExecution	Workflow ID	String

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WorkflowName	Response.WorkflowExecution	Workflow name	String
RunId	Response.WorkflowExecution	Workflow instance ID	String
CreateTime	Response.WorkflowExecution	Creation time	String
Object	Response.WorkflowExecution	COS object address	String
State	Response.WorkflowExecution	Workflow instance status	String
Topology	Response.WorkflowExecution	Same as Topology in the workflow creation API.	Container
Tasks	Response.WorkflowExecution	Workflow instance job	Container array

`Tasks` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Type	Response.WorkflowExecution.Tasks	Job node type	String
State	Response.WorkflowExecution.Tasks	Job status	String
JobId	Response.WorkflowExecution.Tasks	Job ID	String
CreateTime	Response.WorkflowExecution.Tasks	Job creation time	String
StartTime	Response.WorkflowExecution.Tasks	Job start time	String
EndTime	Response.WorkflowExecution.Tasks	Job end time	String
Code	Response.WorkflowExecution.Tasks	Job error code	String
Message	Response.WorkflowExecution.Tasks	Job error message	String
Name	Response.WorkflowExecution.Tasks	Workflow node name	String

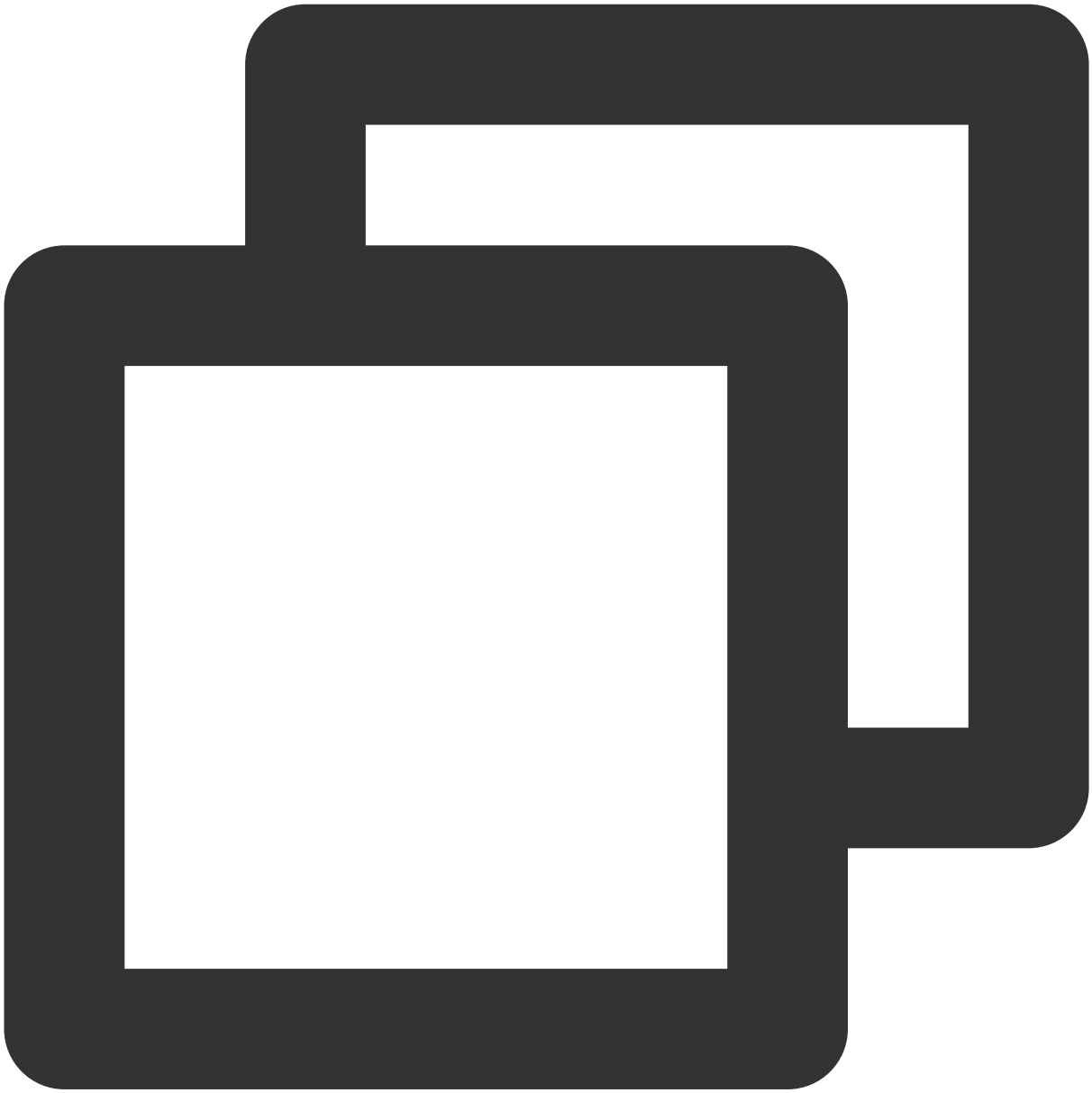
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

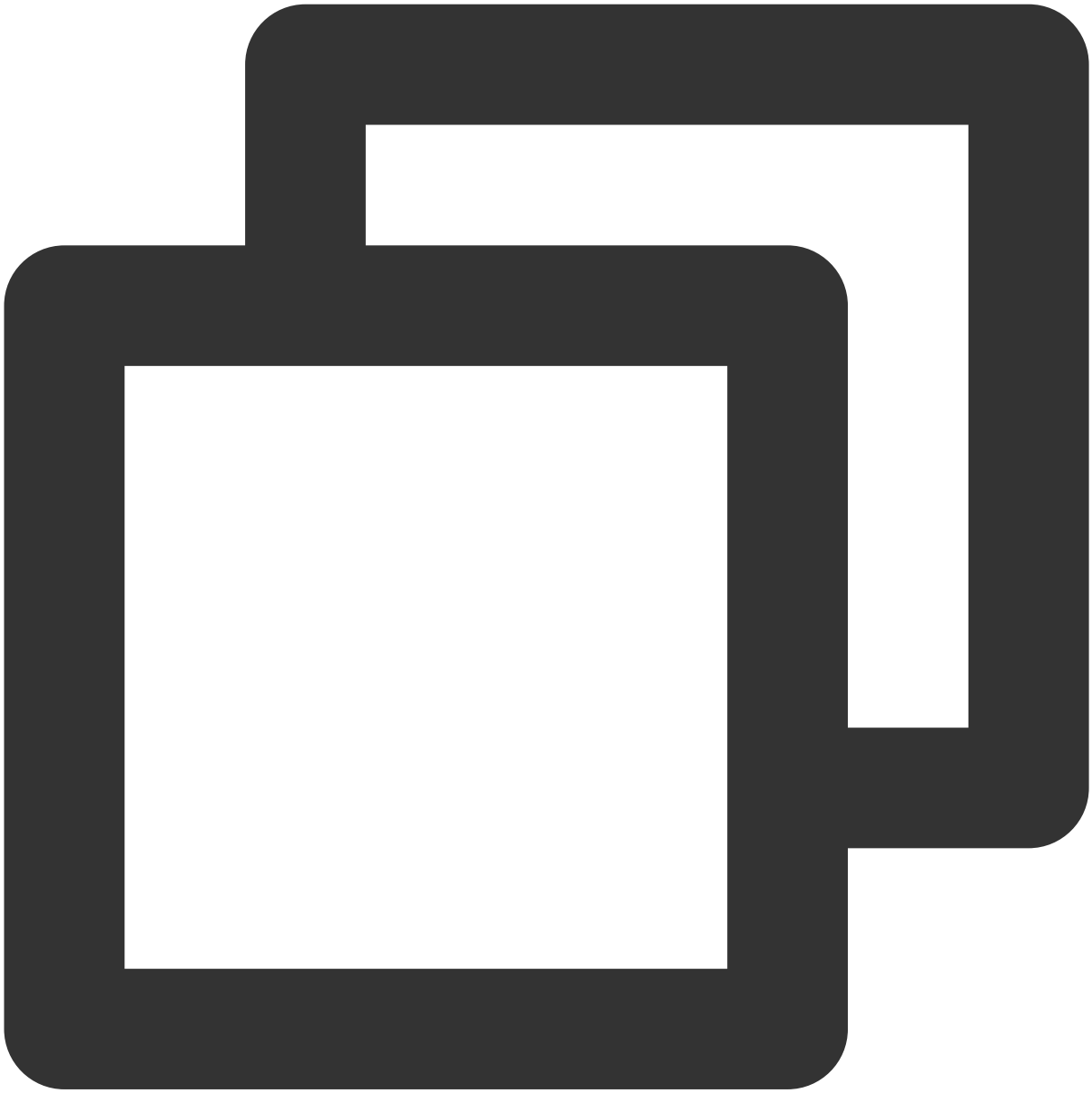
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```
GET /workflowexecution/i166ee19017b011eda8a5525400c540df HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <RequestId>NjJmMjA5MjZfZWM0YTYyNjRfN2U3ZF8yNzk1</RequestId>
    <WorkflowExecution>
```

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```
        <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
        <Name>workflow-1</Name>
        <RunId>i166ee19017b011eda8a5525400c540df</RunId>
        <CreateTime>2022-08-09T14:54:17+08:00</CreateTime>
        <Object>wk-test/game.mp4</Object>
        <State>Success</State>
        <Topology>
            <Dependencies>
                <Start>Transcode_1581665960537</Start>
                <Snapshot_1581665960536>End</Snapshot_1581665960536>
                <Transcode_1581665960537>Snapshot_1581665960536</Transcode_15816659
            </Dependencies>
            <Nodes>
                <Start>
                    <Type>Start</Type>
                    <Input>
                        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
                        <ObjectPrefix>/wk-test</ObjectPrefix>
                        <ExtFilter>
                            <State>On</State>
                            <Video>false</Video>
                            <Audio>false</Audio>
                            <ContentType>false</ContentType>
                            <Custom>true</Custom>
                            <CustomExts>mp4</CustomExts>
                            <AllFile>false</AllFile>
                            <Image>false</Image>
                        </ExtFilter>
                        <PicProcessQueueId>p2911917386e148639319e13c285cc774</PicPr
                    </Input>
                </Start>
                <Snapshot_1581665960536>
                    <Type>Snapshot</Type>
                    <Operation>
                        <TemplateId>t07740e32081b44ad7a0aea03adcffd54a</TemplateId>
                        <Output>
                            <Region>ap-chongqing</Region>
                            <Bucket>test-1234567890</Bucket>
                            <Object>snapshot-${number}.jpg</Object>
                        </Output>
                    </Operation>
                </Snapshot_1581665960536>
                <Transcode_1581665960537>
                    <Type>Transcode</Type>
                    <Operation>
                        <TemplateId>t01e57db1c2d154d2fb57aa5de9313a897</TemplateId>
                        <Output>
```

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```
                        <Region>ap-chongqing</Region>
                        <Bucket>test-1234567890</Bucket>
                        <Object>trans1.mp4</Object>
                    </Output>
                </Operation>
            </Transcode_1581665960537>
        </Nodes>
    </Topology>
    <Tasks>
        <Type>Snapshot</Type>
        <JobId>j23c11e1e17b011edaab4ab15ec33d076</JobId>
        <CreateTime>2022-08-09T14:54:40+08:00</CreateTime>
        <Name>Snapshot_1581665960536</Name>
        <State>Success</State>
        <StartTime>2022-08-09T14:54:40+08:00</StartTime>
        <EndTime>2022-08-09T14:54:42+08:00</EndTime>
        <Code>Success</Code>
        <Message></Message>
    </Tasks>
    <Tasks>
        <Type>Transcode</Type>
        <JobId>j168668b217b011ed8efb27bb229e2d11</JobId>
        <CreateTime>2022-08-09T14:54:18+08:00</CreateTime>
        <Name>Transcode_1581665960537</Name>
        <State>Success</State>
        <StartTime>2022-08-09T14:54:18+08:00</StartTime>
        <EndTime>2022-08-09T14:54:39+08:00</EndTime>
        <Code>Success</Code>
        <Message>success</Message>
    </Tasks>
</WorkflowExecution>
```

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Getting Workflow Instance List

Last updated：2024-02-27 15:15:38

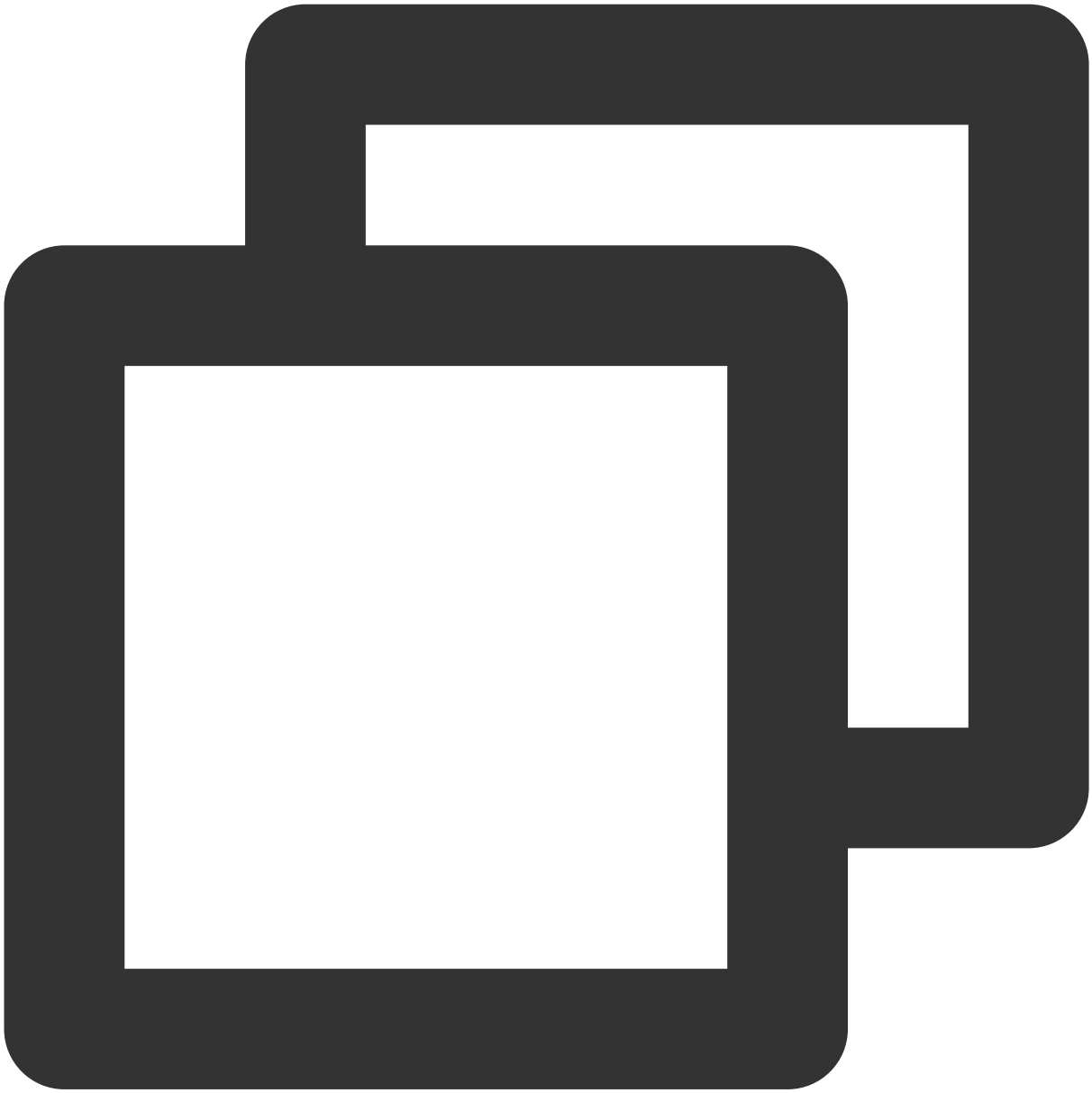
Feature Description

This API is used to get the list of workflow instances.

Request

Sample request

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```
GET /workflowexecution HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

Parameter (Keyword)	Description	Type	Required
workflowId	Workflow ID	String	Yes
name	Filename	String	No
orderByTime	`Desc` (default) or `Asc`	String	No
size	Maximum number of jobs that can be pulled. The default value is `10`. The maximum value is `100`.	String	No
states	Workflow instance status. If you enter multiple statuses, separate them by comma. Valid values: `All`, `Success`, `Failed`, `Running`, `Cancel`. Default value: `All`.	String	No
startCreationTime	Start time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z`	String	No
endCreationTime	End time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z`	String	No
nextToken	Context token for pagination	String	No
jobId	Batch data processing job ID, which is used to scan the workflow instance executed accordingly.	String	No

Response

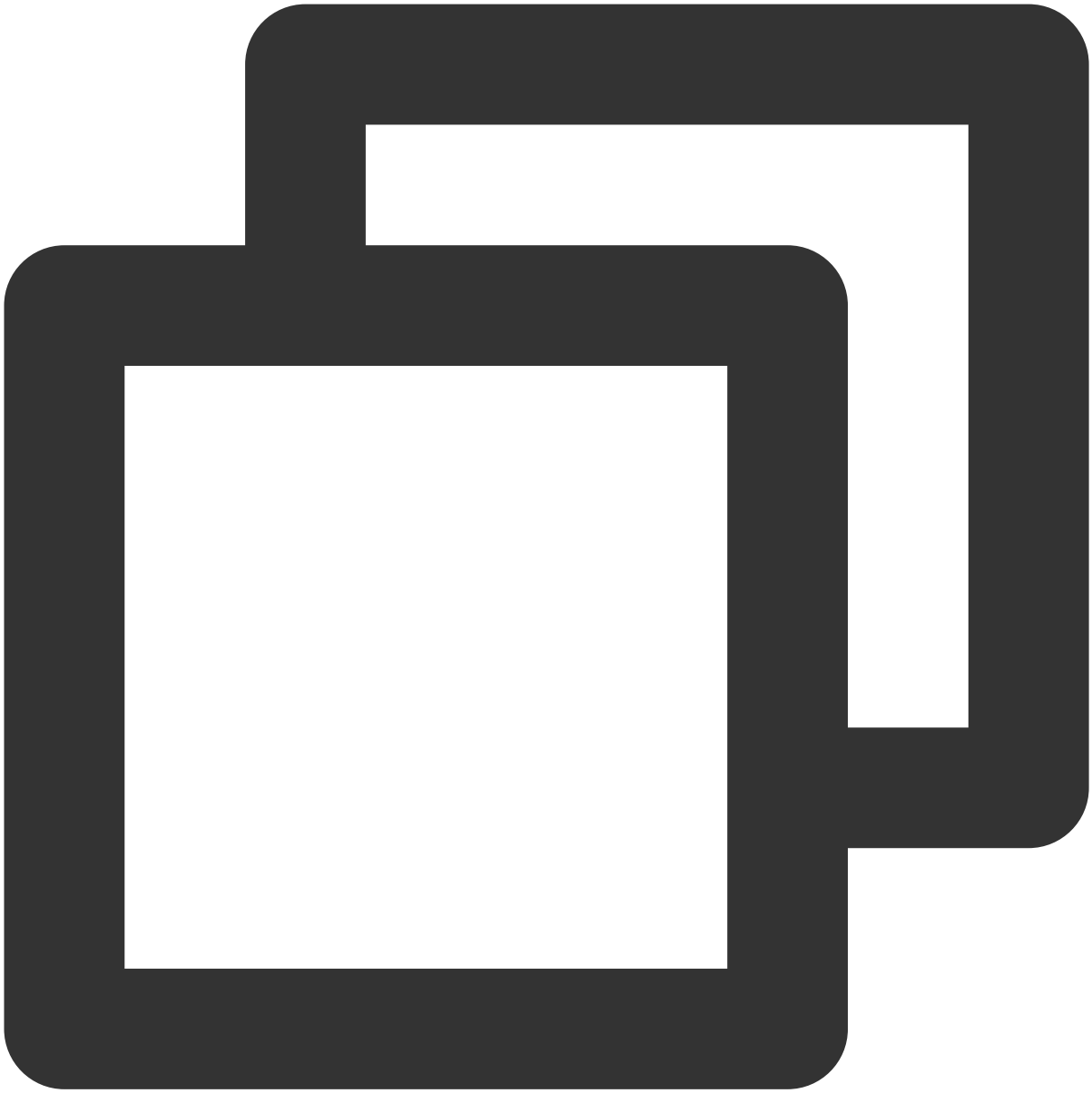
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

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Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <RequestId>NjJmMjEyMmFfZWM0YTYyNjRfN2U2NV8yNmI0</RequestId>
    <WorkflowExecutionList>
        <RunId>i166ee19017b011eda8a5525400c540df</RunId>
        <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
        <Object>wk-test/game.mp4</Object>
        <CreateTime>2022-08-09T14:54:17+08:00</CreateTime>
        <State>Success</State>
```

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```
    </WorkflowExecutionList>
    <WorkflowExecutionList>
        <RunId>i769bd26517af11ed917f525400a3c59f</RunId>
        <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
        <Object>wk-test/game.mp4</Object>
        <CreateTime>2022-08-09T14:49:49+08:00</CreateTime>
        <State>Success</State>
    </WorkflowExecutionList>
    <NextToken>115716</NextToken>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
WorkflowExecutionList	Response	Workflow instance details	Container
RequestId	Response	Request ID	String
NextToken	Response	Context token for pagination	String

`WorkflowExecutionList` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.WorkflowExecutionList	Workflow instance ID	String
WorkflowId	Response.WorkflowExecutionList	Workflow ID	String
State	Response.WorkflowExecutionList	Workflow instance status	String
CreateTime	Response.WorkflowExecutionList	Creation time	String
Object	Response.WorkflowExecutionList	COS object address	String

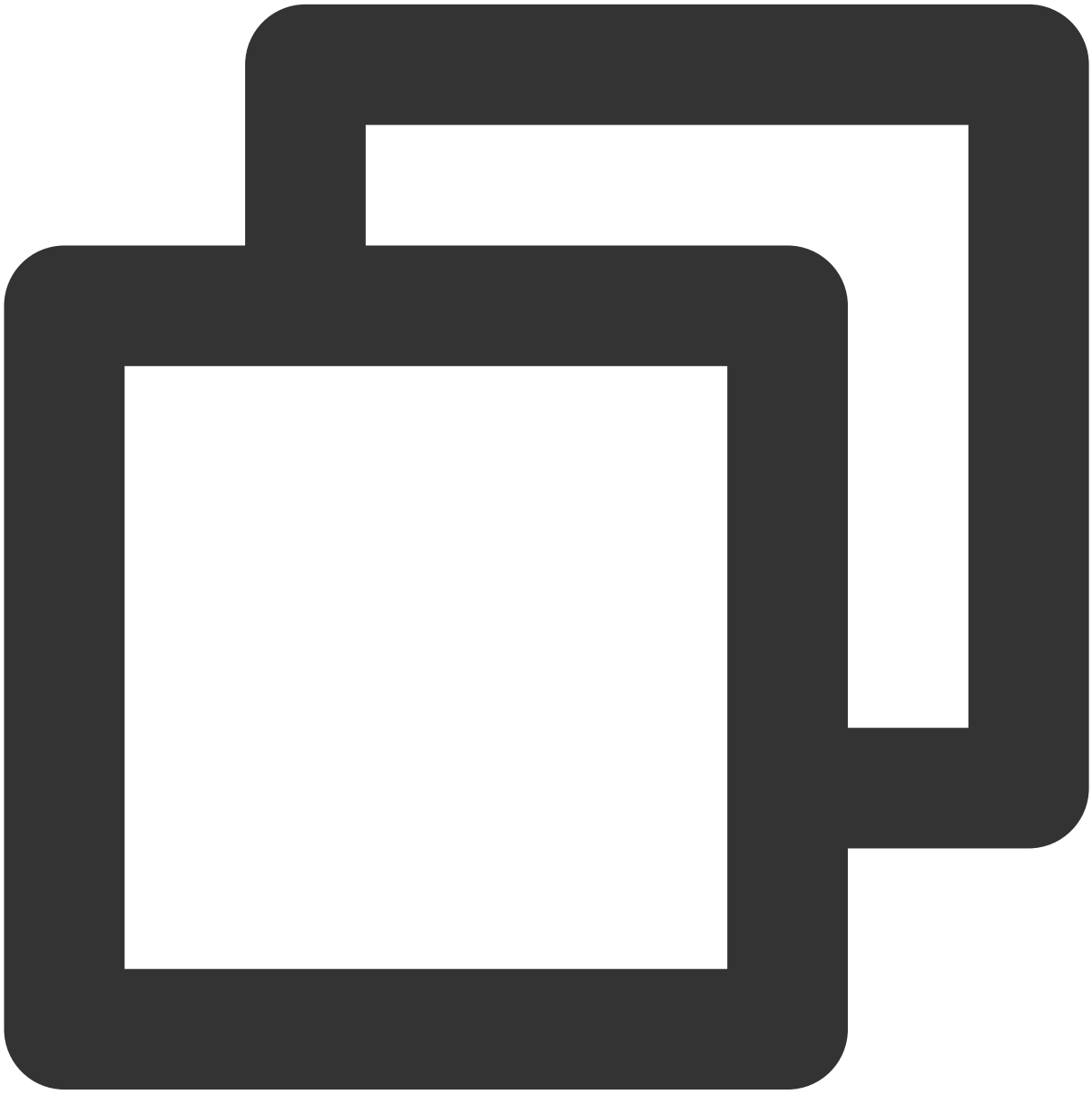
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

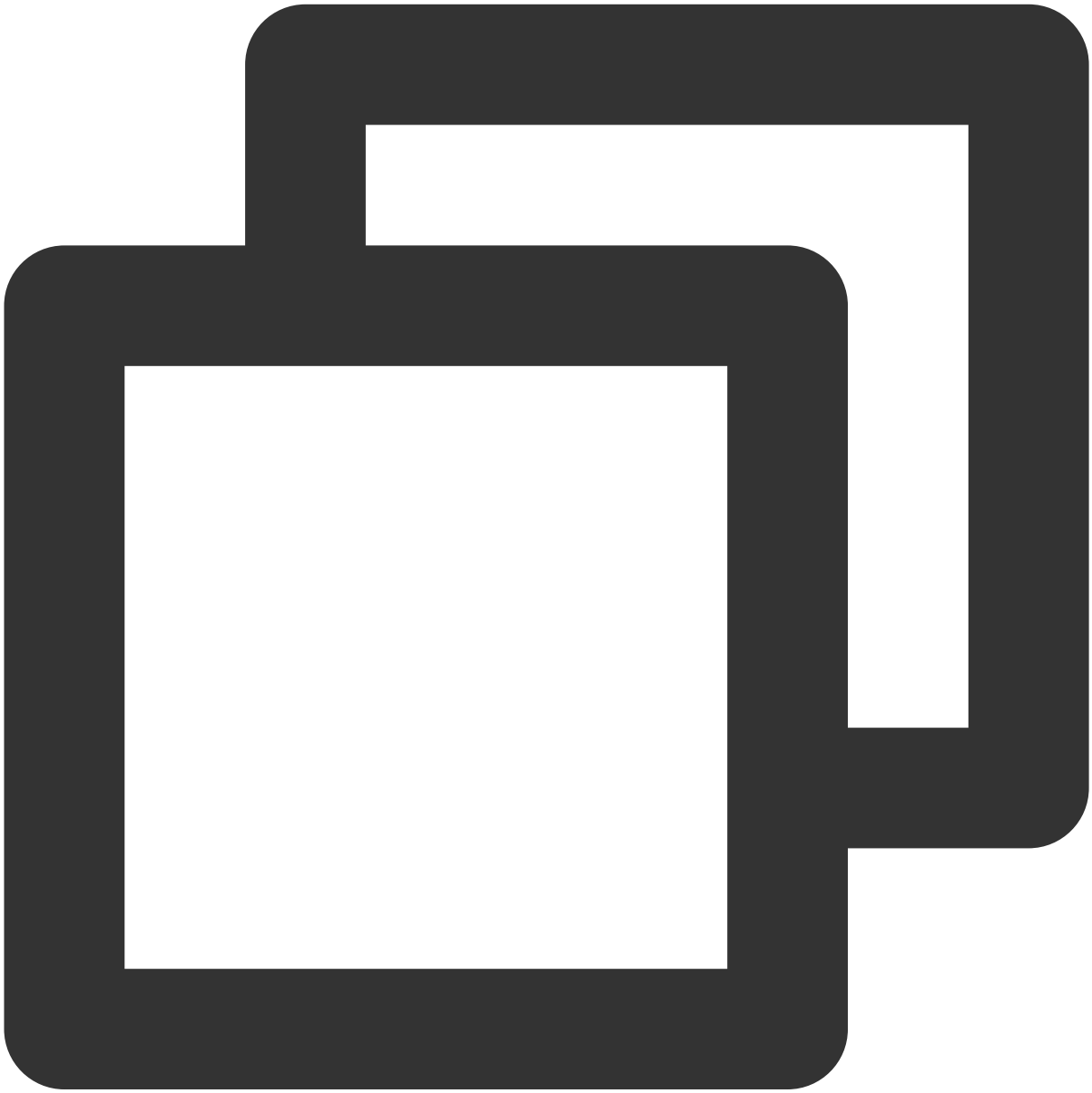
Request



```
GET /workflowexecution?workflowId=web6ac56c1ef54dbfa44d7f4103203be9 HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

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Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Thu, 09 Aug 2022 16:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJmMjEyMmFfZWM0YTYyNjRfN2U2NV8yNmI0
```

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```
<Response>
    <RequestId>NjJmMjEyMmFfZWM0YTYyNjRfN2U2NV8yNmI0</RequestId>
    <WorkflowExecutionList>
        <RunId>i166ee19017b011eda8a5525400c540df</RunId>
        <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
        <Object>wk-test/game.mp4</Object>
        <CreateTime>2022-08-09T14:54:17+08:00</CreateTime>
        <State>Success</State>
    </WorkflowExecutionList>
    <WorkflowExecutionList>
        <RunId>i769bd26517af11ed917f525400a3c59f</RunId>
        <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
        <Object>wk-test/game.mp4</Object>
        <CreateTime>2022-08-09T14:49:49+08:00</CreateTime>
        <State>Success</State>
    </WorkflowExecutionList>
    <NextToken>115716</NextToken>
</Response>
```

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Job APIs
Media Processing
Submitting Media Processing Job
Submitting Video-to-Animated Image Conversion Job

Last updated：2024-02-27 15:42:23

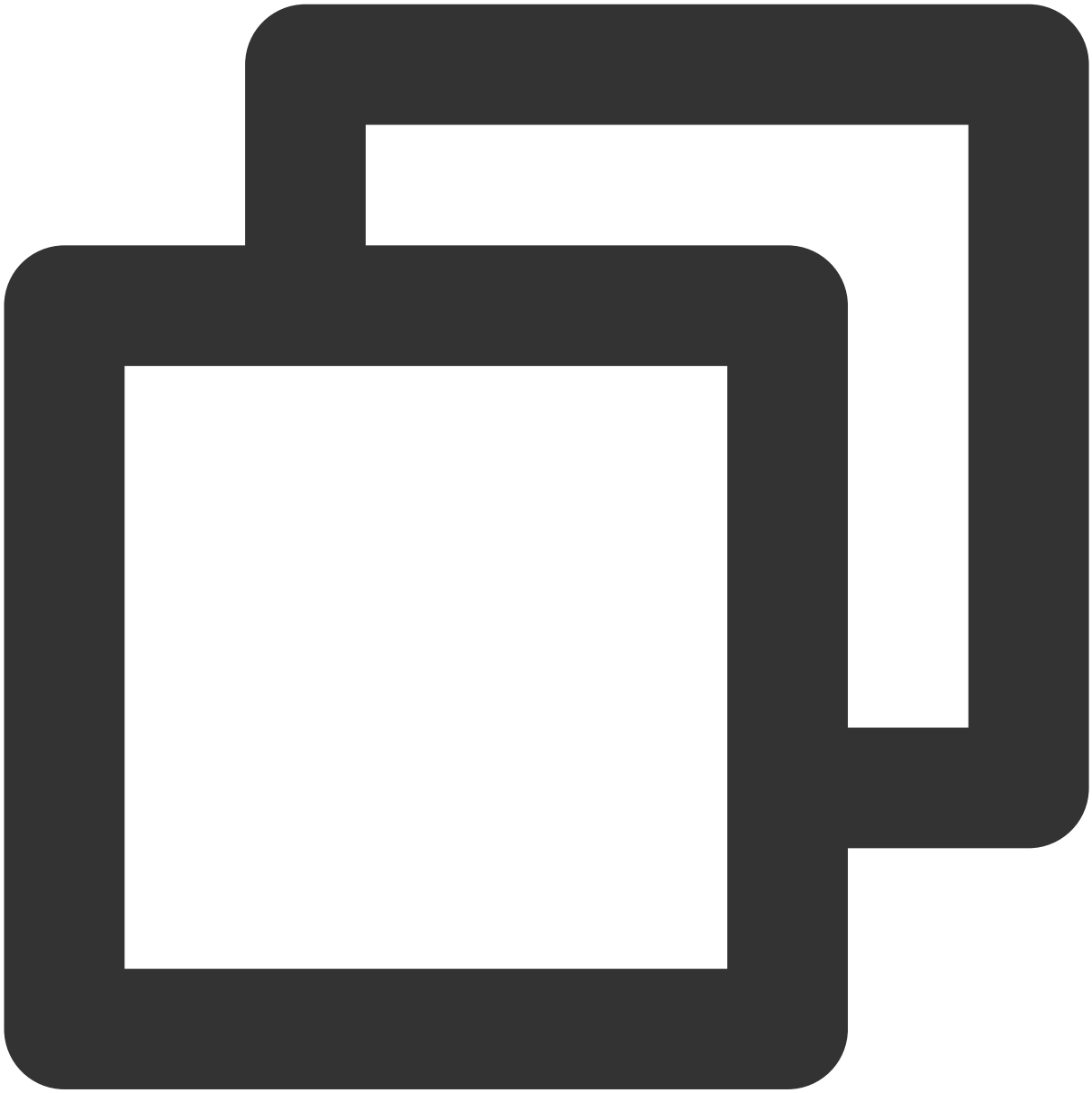
Feature Description

This API is used to submit an animated image job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

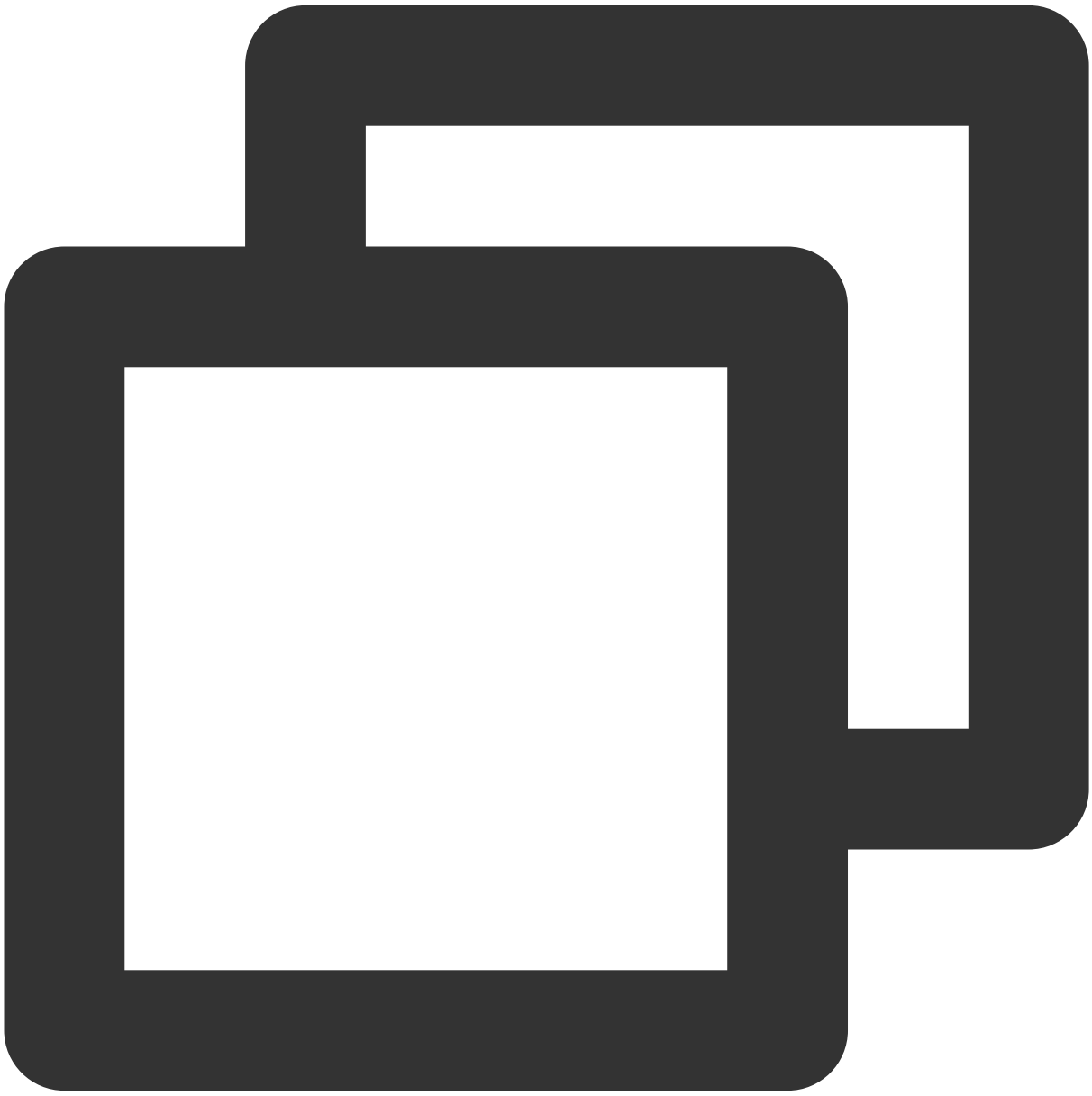
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Animation</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.gif</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type: Animation	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Animation	Request.Operation	Job type parameter	Container	No
TemplateId	Request.Operation	Template ID	String	No
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

Note:

`TemplateId` is used first. If `TemplateId` is unavailable, `Animation` is used.

`Animation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Container	Request.Operation.Animation	Same as Request.Container in the animated image template	Container	No

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		creation API CreateMediaTemplate.		
Video	Request.Operation.Animation	Same as Request.Video in the animated image template creation API CreateMediaTemplate.	Container	No
TimeInterval	Request.Operation.Animation	Same as Request.TimeInterval in the animated image template creation API CreateMediaTemplate.	Container	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

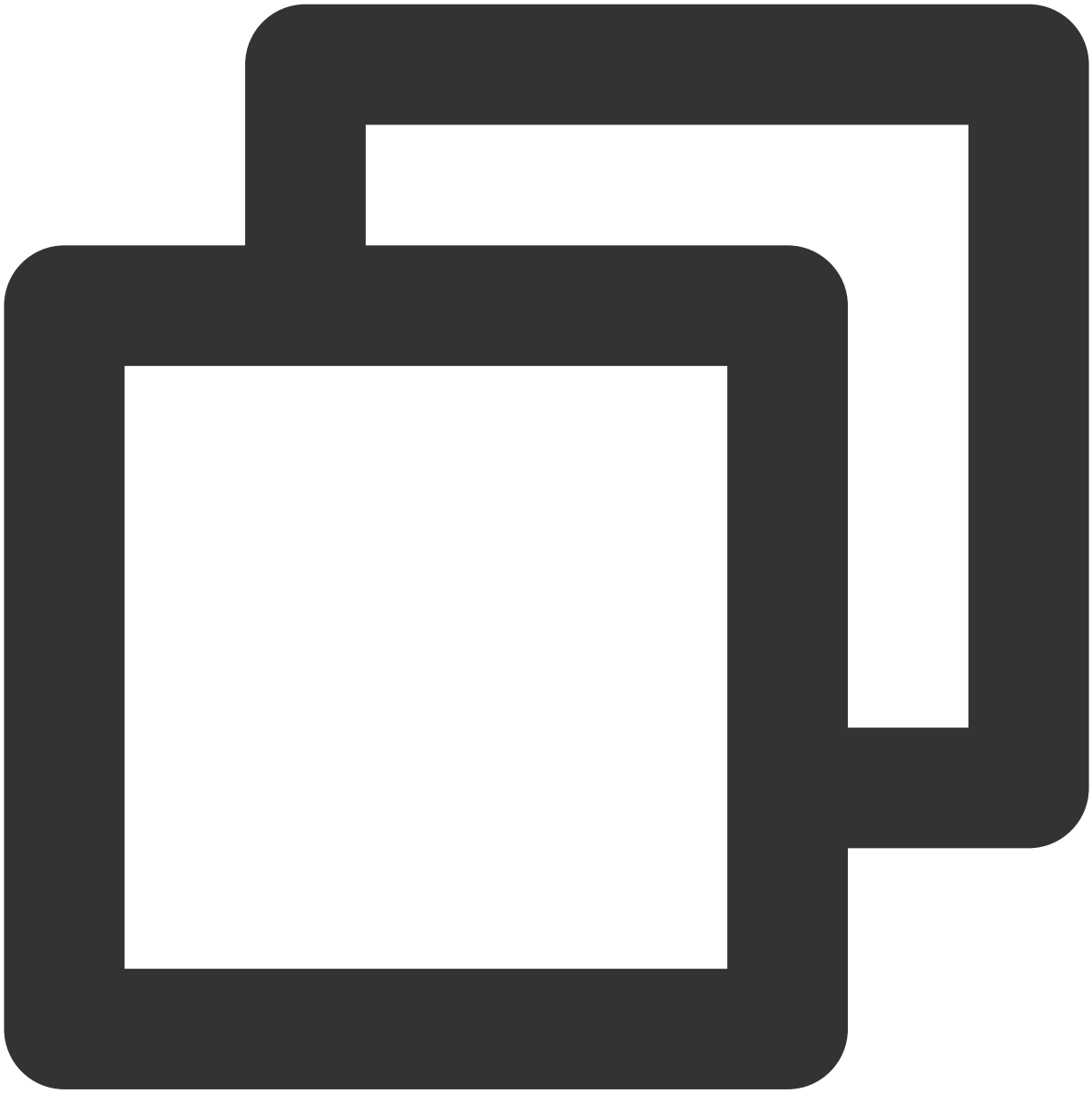
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Animation</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
            <TemplateName>animation_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type: Animation	String
State	Response.JobsDetail	Job status. Valid values: `Submitted` ,	String

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		`Running` , `Success` , `Failed` , `Pause` , `Cancel` .	
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if `TemplateId` exists.	String
Animation	Response.JobsDetail.Operation	Same as `Request.Operation.Animation` in the request.	Container
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.	Container

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MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the GenerateMediaInfo API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

Error codes

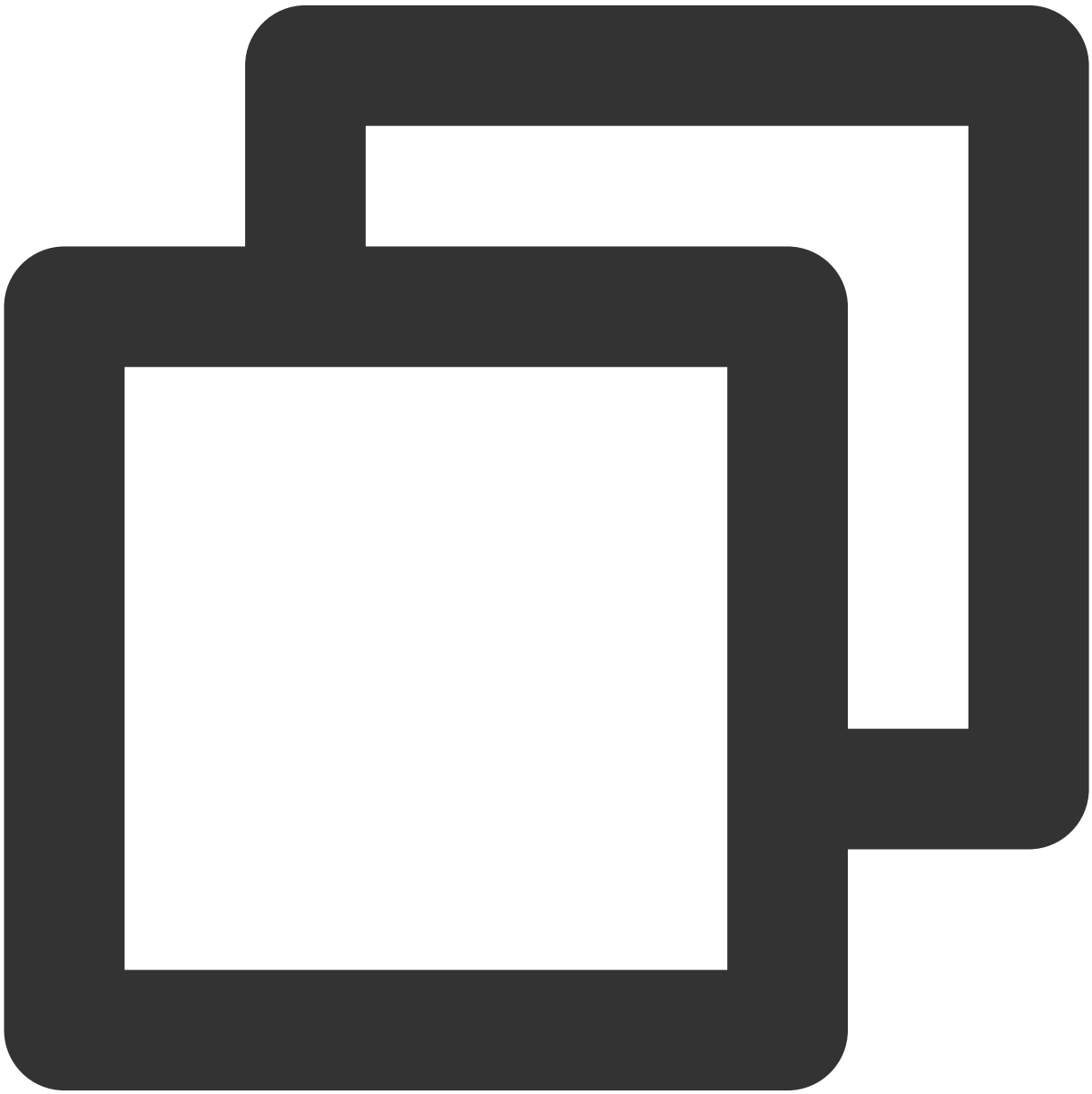
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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Using the animated image template ID

Request



```
POST /jobs HTTP/1.1
```

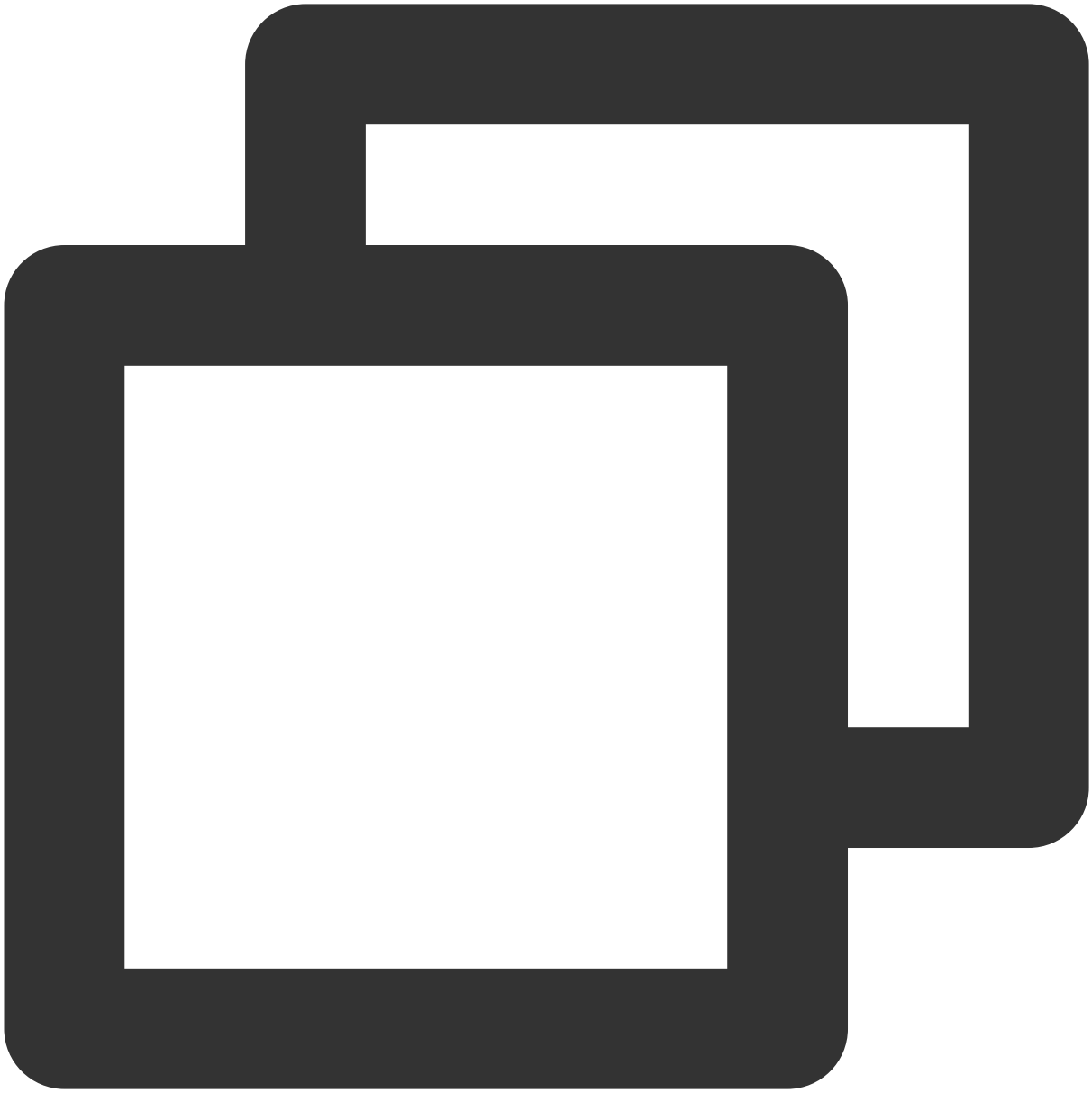
©2013-2022 Tencent Cloud. All rights reserved.

```
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>Animation</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.gif</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

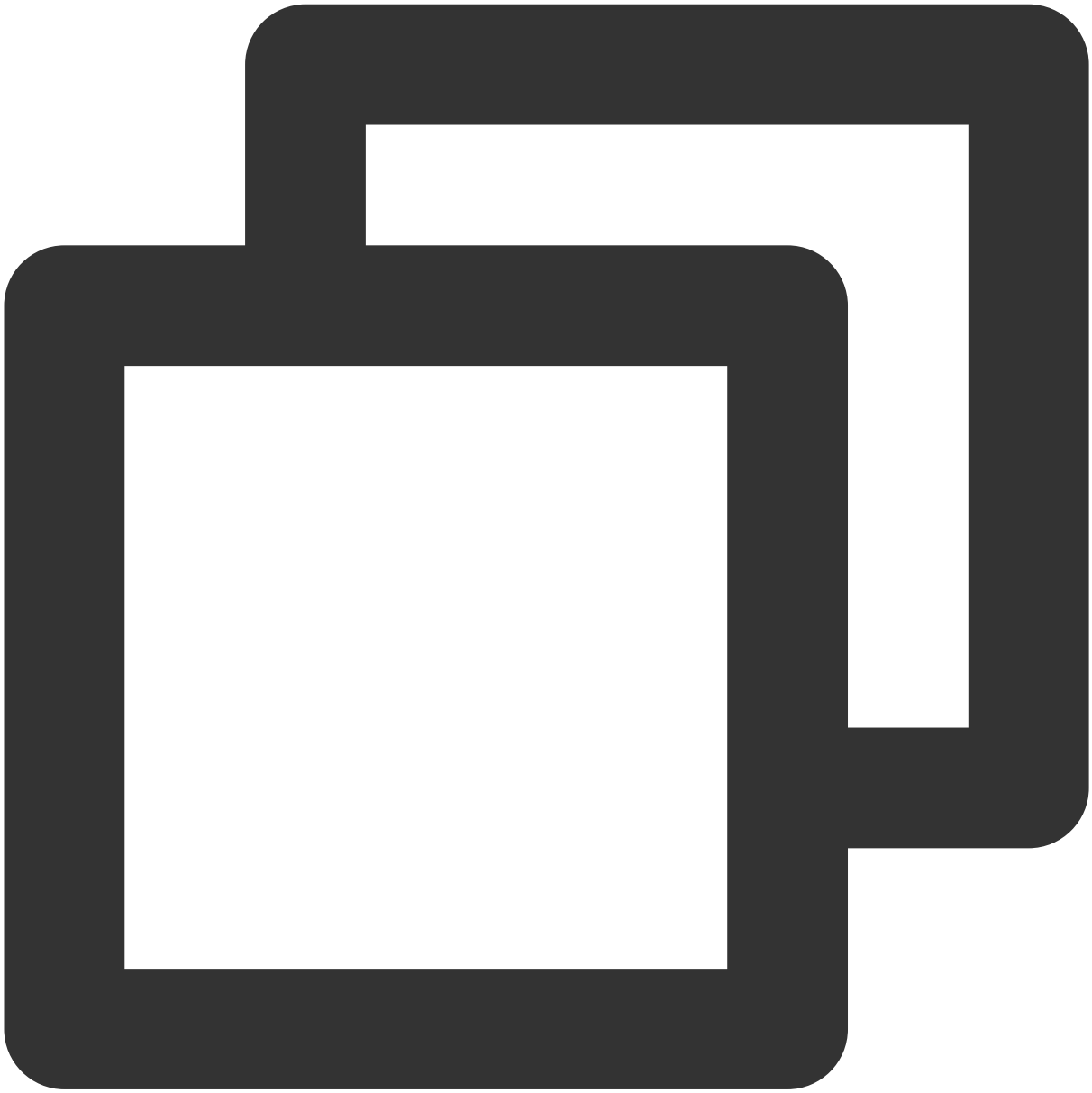
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Animation</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
            <TemplateName>animation_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Using the animated image processing parameter

Request



```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

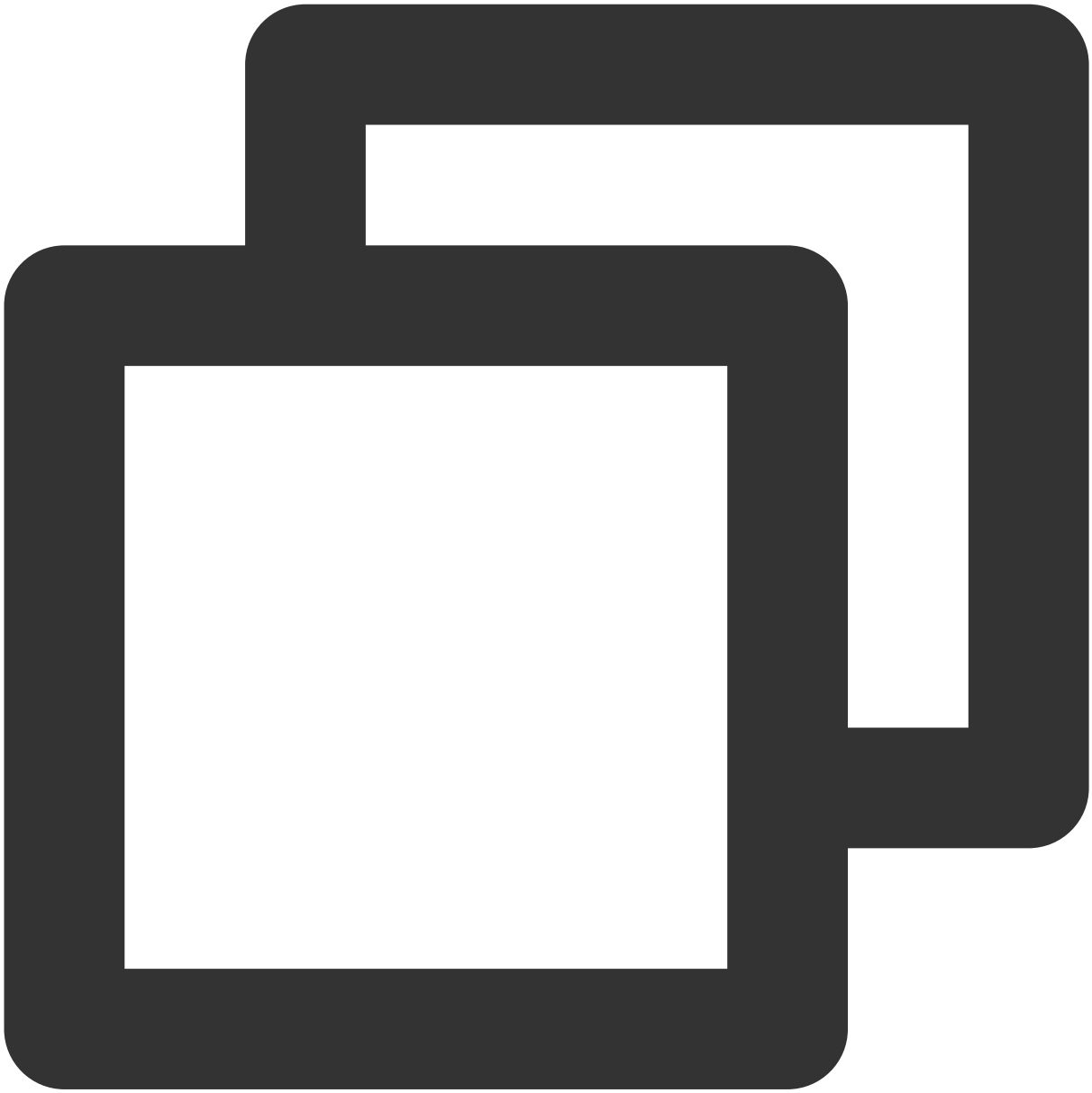
<Request>
    <Tag>Animation</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <Animation>
            <Container>
                <Format>gif</Format>
            </Container>
            <Video>
                <Codec>gif</Codec>
                <Width>1280</Width>
                <Height>960</Height>
                <Fps>15</Fps>
                <AnimateOnlyKeepKeyFrame>true</AnimateOnlyKeepKeyFrame>
            </Video>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </Animation>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.gif</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:12+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Animation</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Animation>
                <Container>
                    <Format>gif</Format>
                </Container>
                <Video>
                    <Codec>gif</Codec>
                    <Width>1280</Width>
                    <Height>960</Height>
                    <Fps>15</Fps>
                    <AnimateOnlyKeepKeyFrame>true</AnimateOnlyKeepKeyFrame>
                </Video>
                <TimeInterval>
                    <Start>0</Start>
                    <Duration>60</Duration>
                </TimeInterval>
            </Animation>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Video Splicing Job

Last updated：2024-02-27 15:42:23

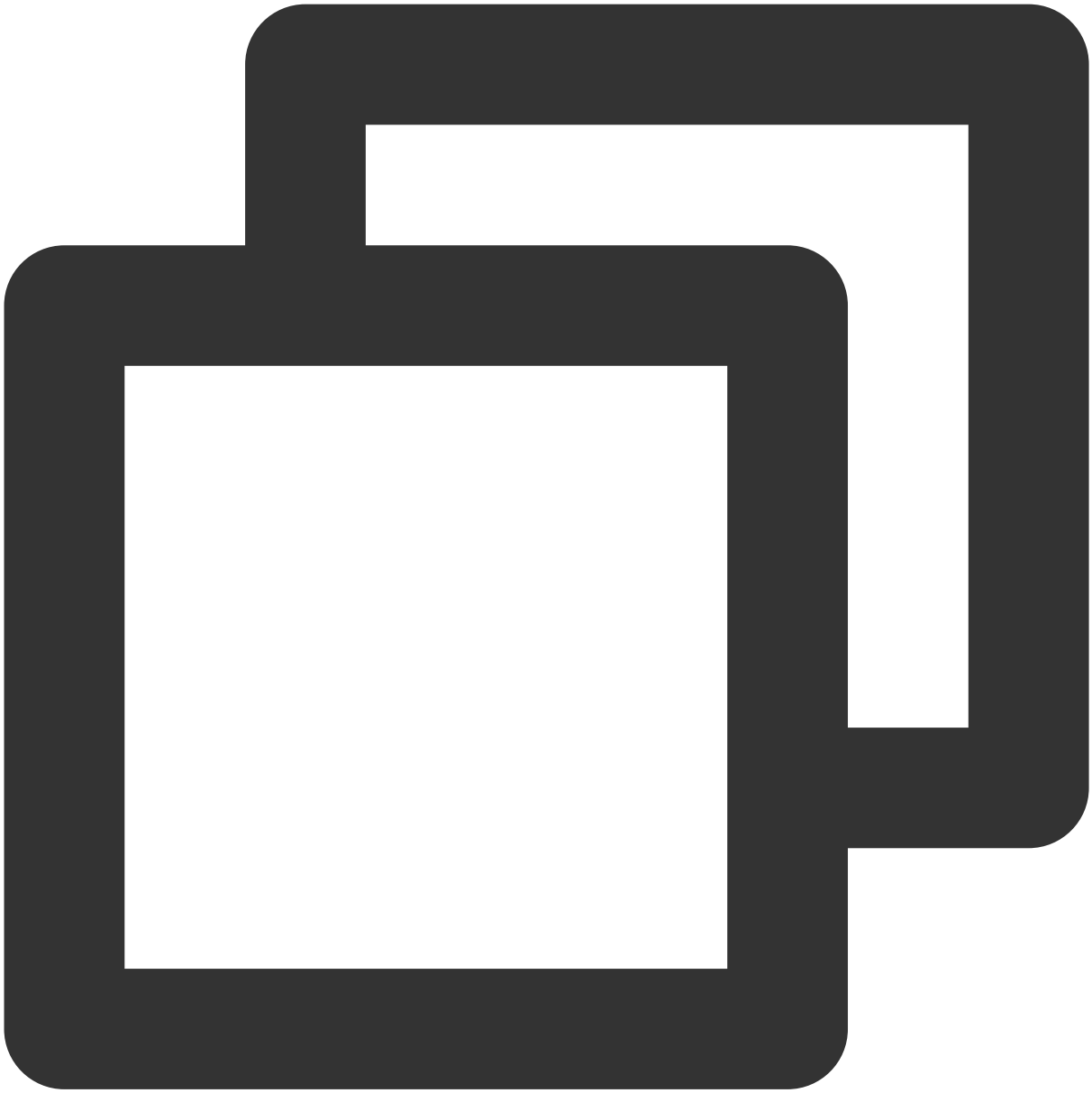
Feature Description

This API is used to submit a splicing job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

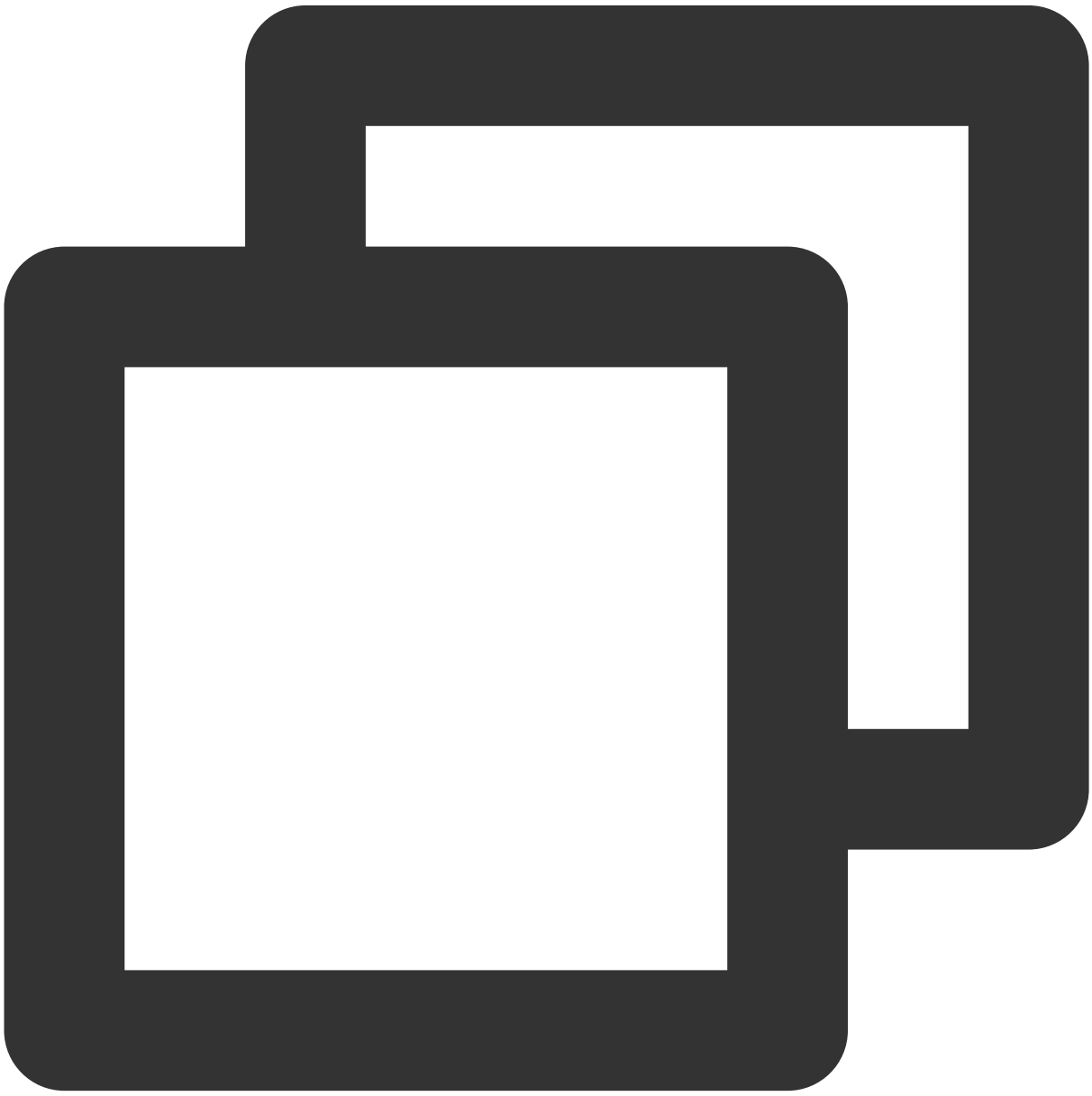
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Concat</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: Concat	String	Yes
Input	Request	Information of the media file to be processed	Container	No
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
ConcatTemplate	Request.Operation	Splicing parameter.	Container	No
TemplateId	Request.Operation	Template ID	String	No
Output	Request.Operation	Result output address	Container	Yes
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

Note:

`TemplateId` is used first. If `TemplateId` is unavailable, `ConcatTemplate` is used.

`ConcatTemplate` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ConcatFragment	Request.Operation.ConcatTemplate	Splicing node	Container array
Audio	Request.Operation.ConcatTemplate	Audio parameter. Same as Request.ConcatTemplate.Audio in	Container

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		the splicing template creation API CreateMediaTemplate.	
Video	Request.Operation.ConcatTemplate	Video parameter. Same as Request.ConcatTemplate.Video in the splicing template creation API CreateMediaTemplate.	Container
Container	Request.Operation.ConcatTemplate	Container format. Same as Request.ConcatTemplate.Container in the splicing template creation API CreateMediaTemplate.	Container
AudioMix	Request.Operation.ConcatTemplate	Audio mix parameter as described in Structure.	Container array
Index	Request.Operation.ConcatTemplate	Index of the Input node in the ConcatFragment sequence	String
DirectConcat	Request.Operation.ConcatTemplate	Simple splicing (without transcoding). Other video and audio parameters become invalid.	String

`ConcatFragment` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Url	Request.Operation.ConcatTemplate.ConcatFragment	Splicing object address	String	Yes	None	Same as the address of the bucket object file.
FragmentIndex	Request.Operation.ConcatTemplate.ConcatFragment	Index position of the spliced object	String	No	0	An integer greater than or equal to 0
StartTime	Request.Operation.	Start time	String	No	Video	[0, video

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	ConcatTemplate.ConcatFragment				start time	duration] Unit: Second
EndTime	Request.Operation.ConcatTemplate.ConcatFragment	End time	String	No	Video end time	[0, video duration] Unit: Second

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

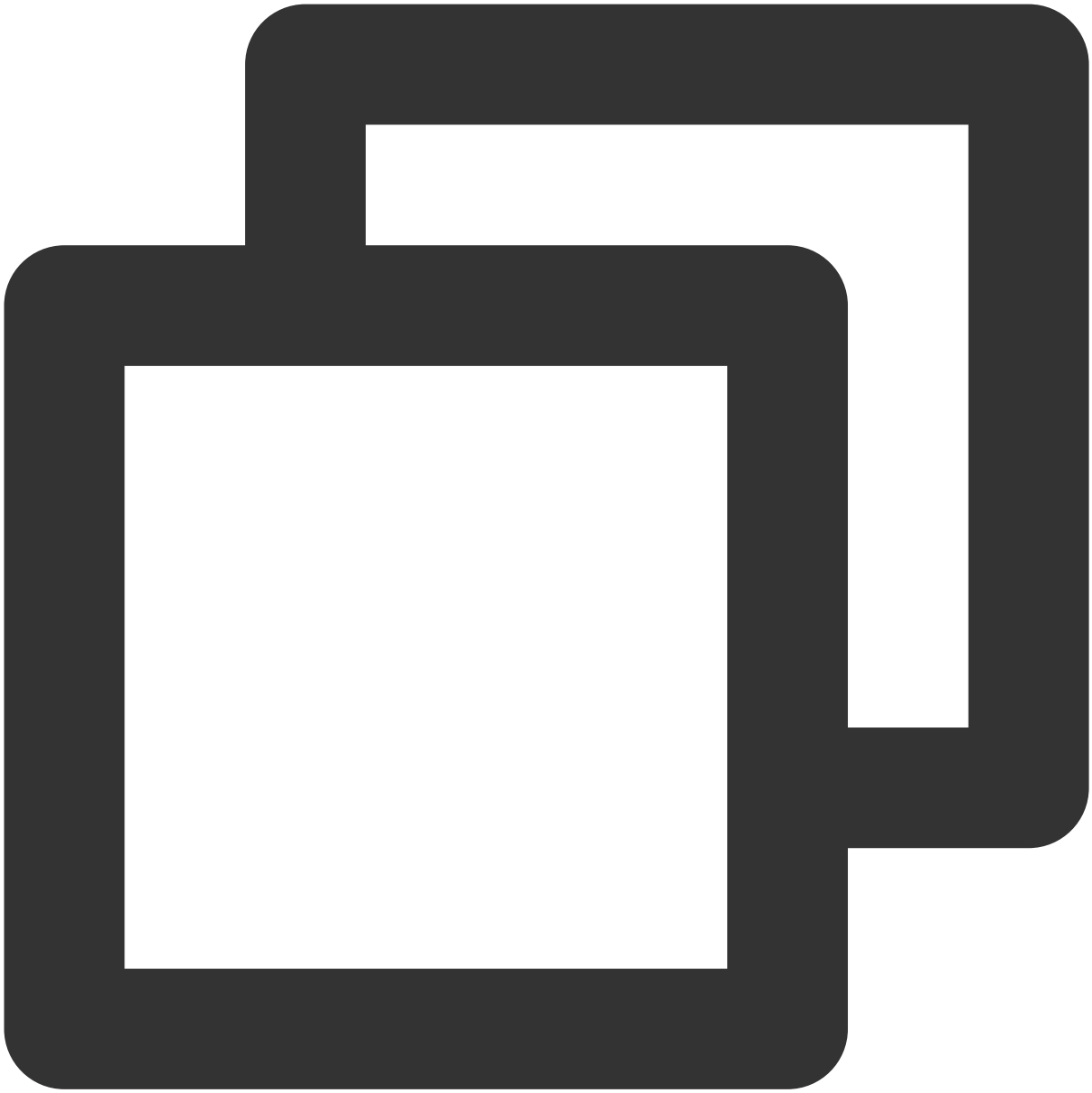
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Concat</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>concat_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: Concat	String
State	Response.JobsDetail	Job status. Valid values: `Submitted` ,	String

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		`Running` , `Success` , `Failed` , `Pause` , `Cancel` .	
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if `TemplateId` exists.	String
ConcatTemplate	Response.JobsDetail.Operation	Same as `Request.Operation.ConcatTemplate` in the request.	Conta
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Conta
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.	Conta
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Conta

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UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the GenerateMediaInfo API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

Error codes

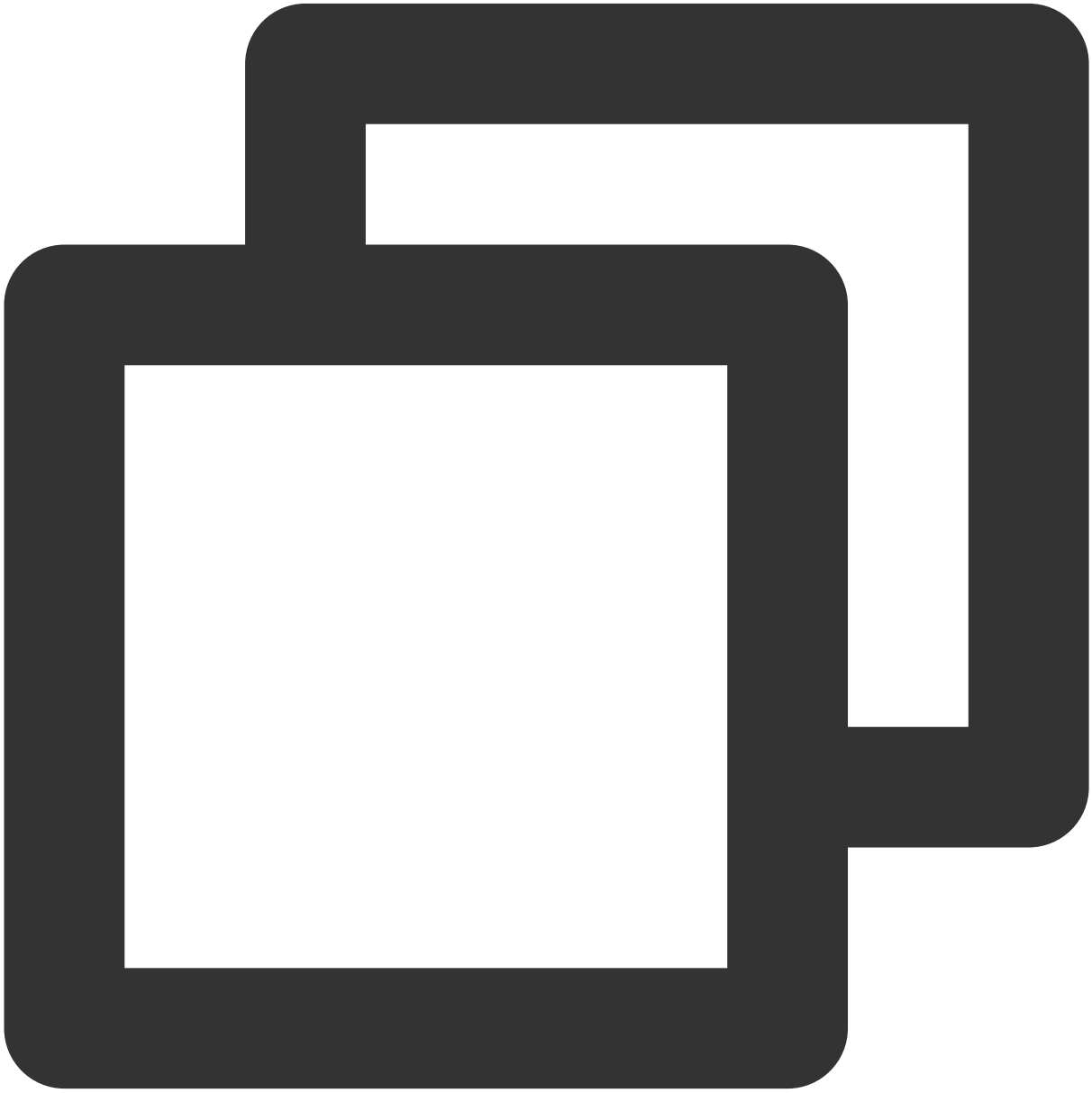
For common error messages, see Error Codes.

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Samples

Request 1. Using the splicing template ID

Request



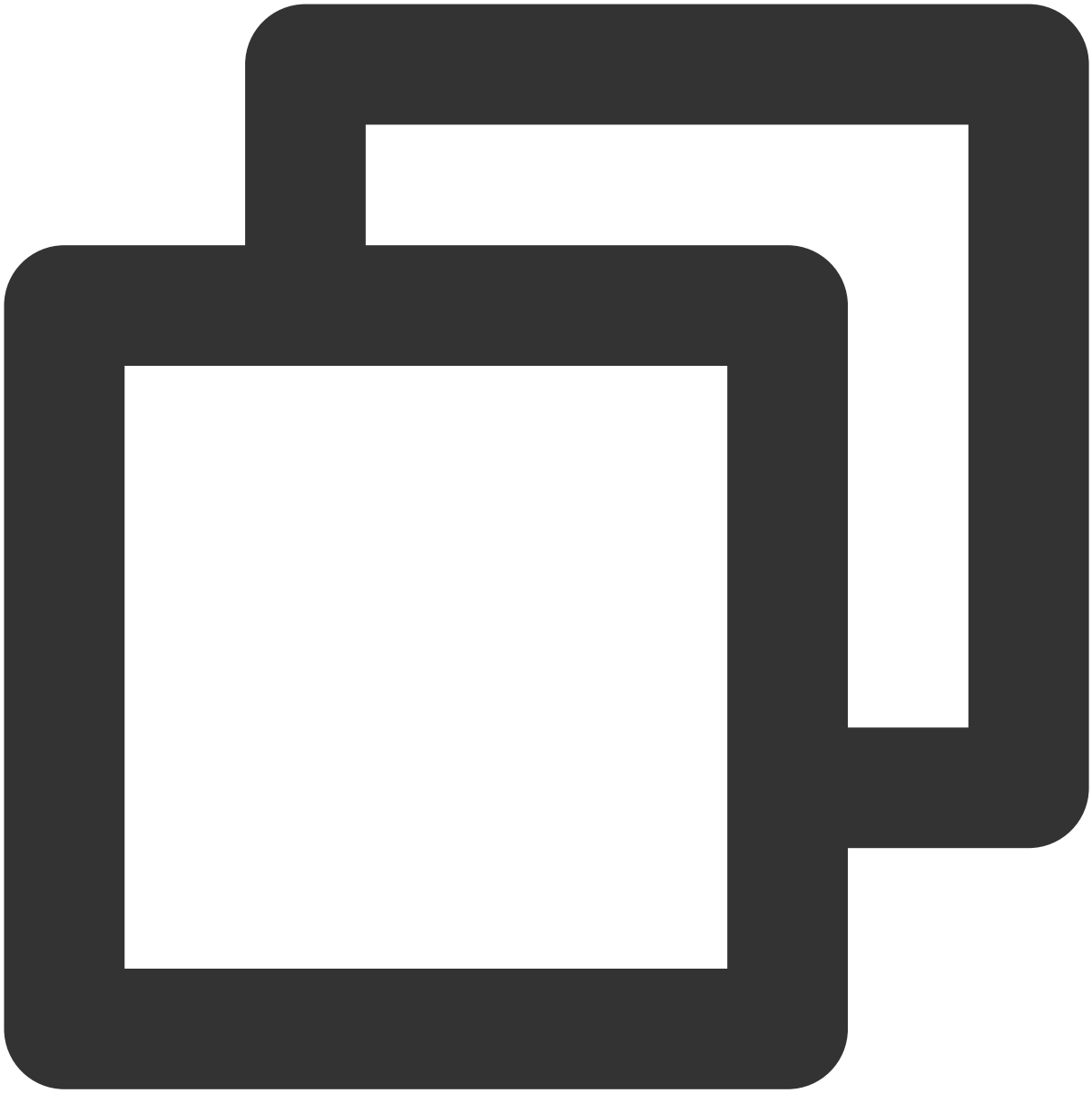
```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR98****-sig
Host:test-123456789.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml
```

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```
<Request>
    <Tag>Concat</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

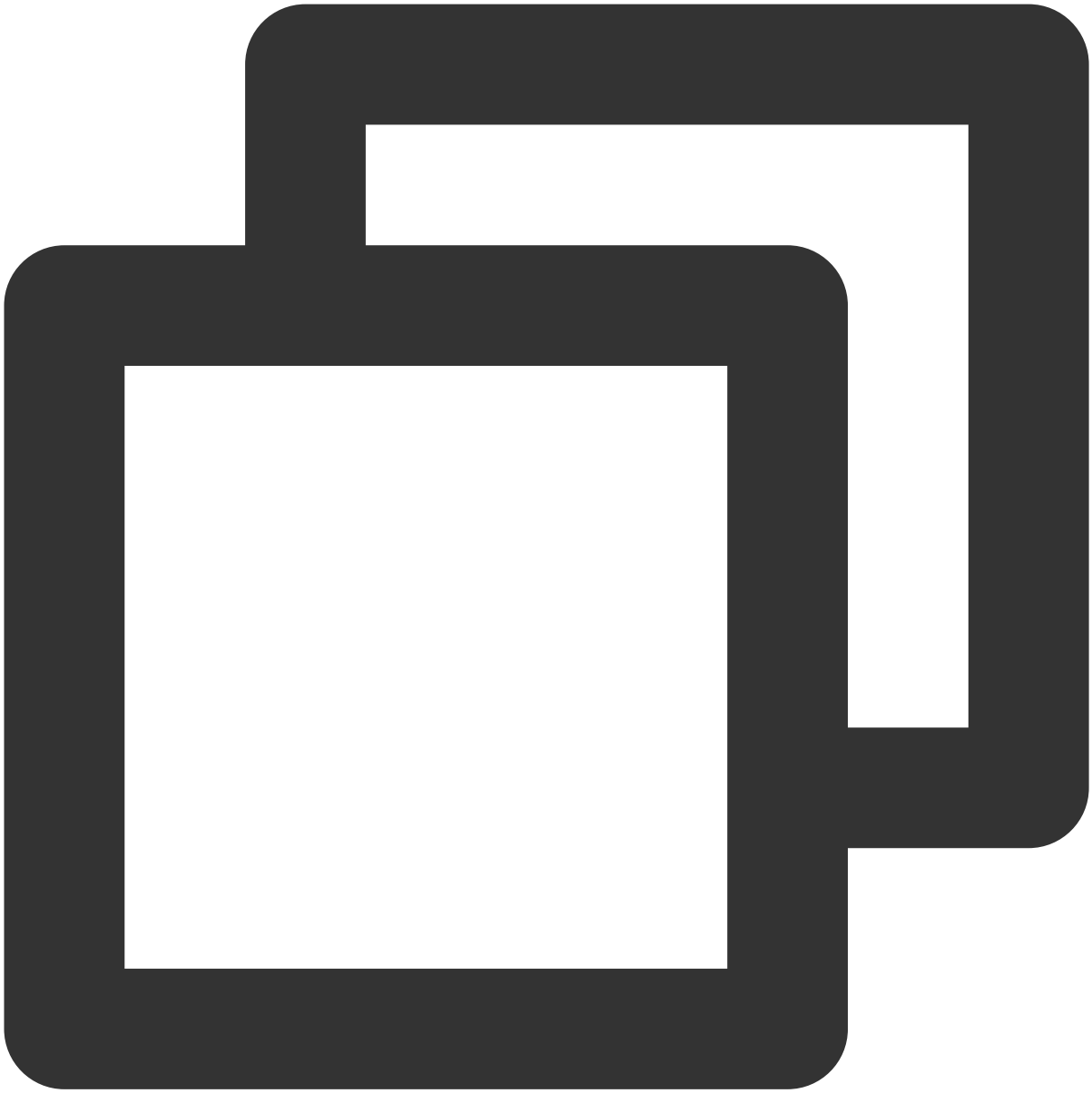
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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Concat</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>concat_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2. Using the splicing parameter

Request

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR98****-sig
Host:test-123456789.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

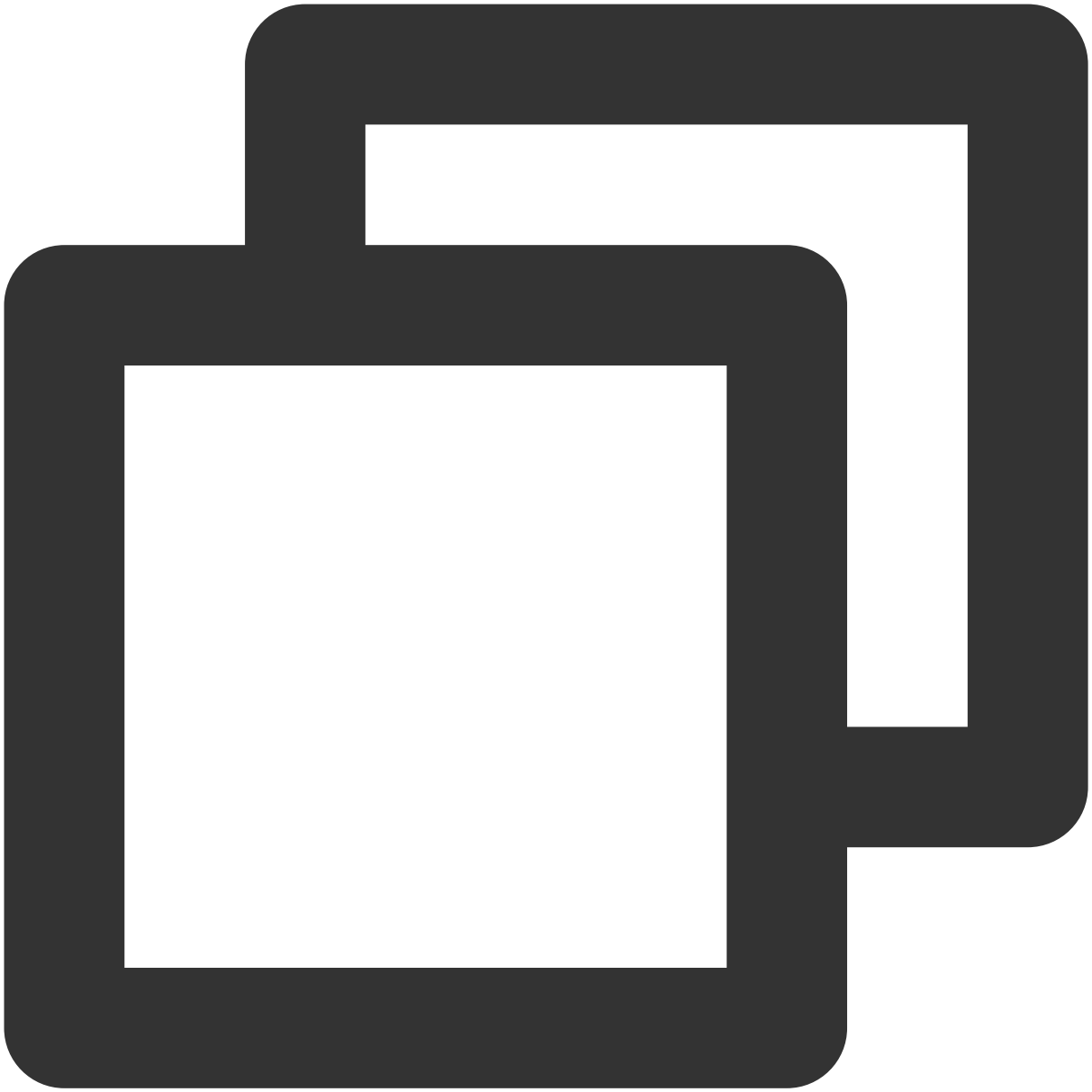
<Request>
    <Tag>Concat</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <ConcatTemplate>
            <ConcatFragment>
                <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/start.mp4<
            </ConcatFragment>
            <ConcatFragment>
                <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/end.mp4</U
            </ConcatFragment>
            <Audio>
                <Codec>mp3</Codec>
            </Audio>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Height>720</Height>
                <Fps>30</Fps>
            </Video>
            <Container>
                <Format>mp4</Format>
            </Container>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
                <EffectConfig>
                    <EnableStartFadein>true</EnableStartFadein>
                    <StartFadeinTime>3</StartFadeinTime>
                    <EnableEndFadeout>false</EnableEndFadeout>
                    <EndFadeoutTime>0</EndFadeoutTime>
                    <EnableBgmFade>true</EnableBgmFade>
                    <BgmFadeTime>1.7</BgmFadeTime>
                </EffectConfig>
            </AudioMix>
        </ConcatTemplate>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

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Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=
```

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c5d</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Concat</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <ConcatTemplate>
                <ConcatFragment>
                    <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/start.
                </ConcatFragment>
                <ConcatFragment>
                    <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/end.mp
                </ConcatFragment>
                <Audio>
                    <Codec>mp3</Codec>
                </Audio>
                <Video>
                    <Codec>H.264</Codec>
                    <Bitrate>1000</Bitrate>
                    <Width>1280</Width>
                    <Height>720</Height>
                    <Fps>30</Fps>
                </Video>
                <Container>
                    <Format>mp4</Format>
                </Container>
                <AudioMix>
                    <AudioSource>https://test-123456789.cos.ap-chongqing.myqcloud.c
                    <MixMode>Once</MixMode>
                    <Replace>true</Replace>
                    <EffectConfig>
                        <EnableStartFadein>true</EnableStartFadein>
                        <StartFadeinTime>3</StartFadeinTime>
                        <EnableEndFadeout>false</EnableEndFadeout>
                        <EndFadeoutTime>0</EndFadeoutTime>
                        <EnableBgmFade>true</EnableBgmFade>
```

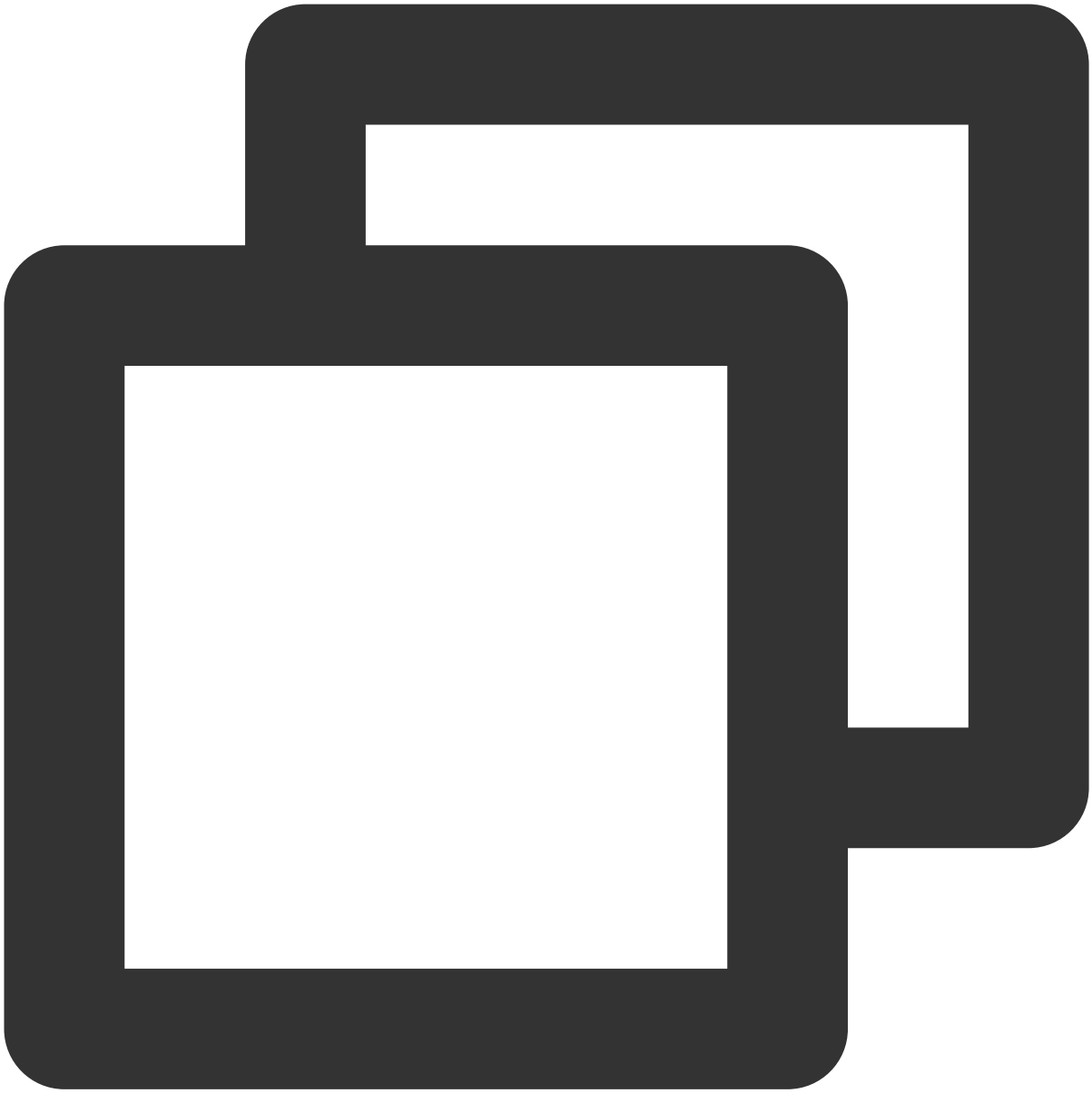
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```
                        <BgmFadeTime>1.7</BgmFadeTime>
                    </EffectConfig>
                </AudioMix>
                <Index>1</Index>
            </ConcatTemplate>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 3. Splicing multiple files

Request

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR98****-sig
Host:test-123456789.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

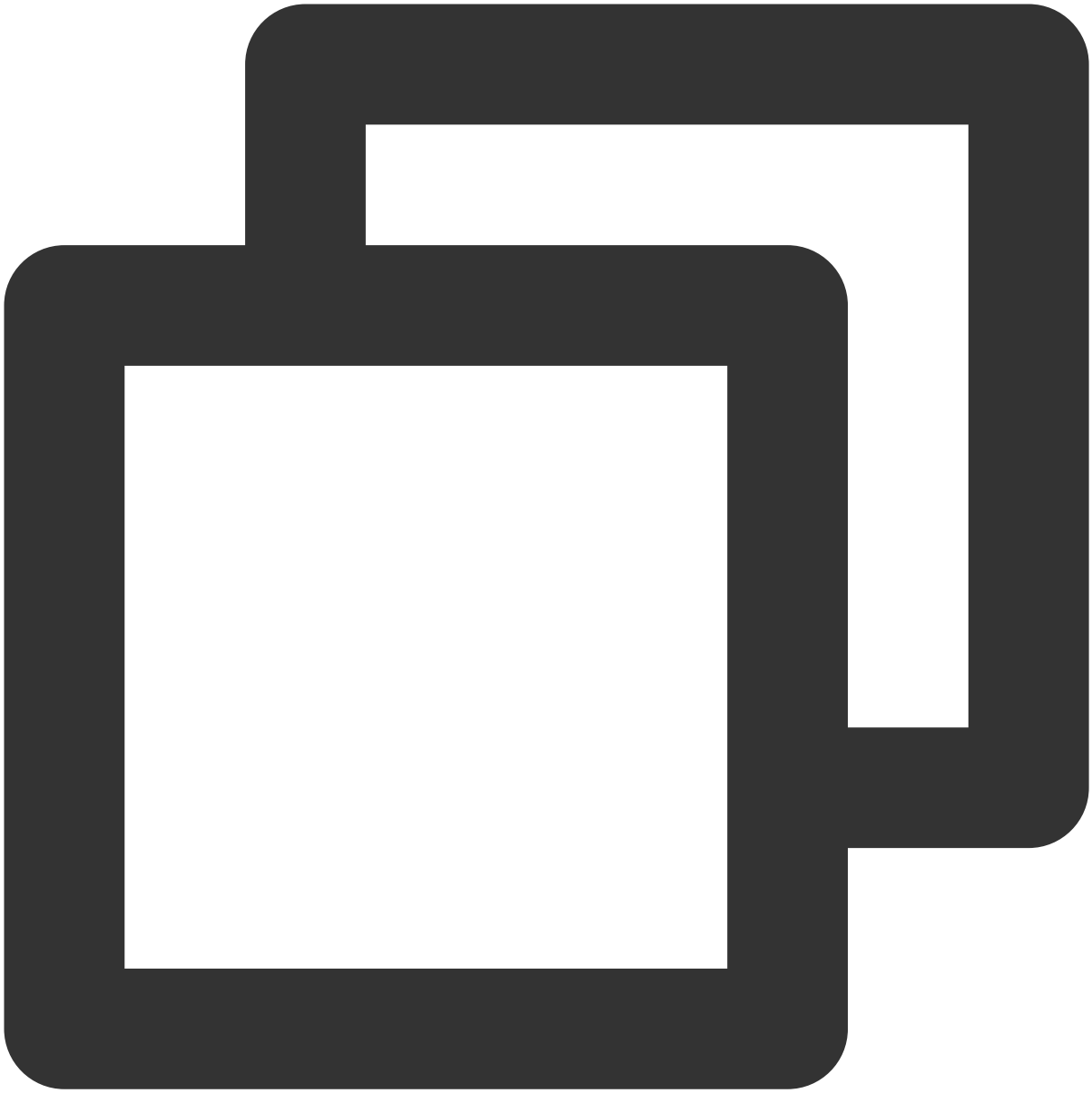
<Request>
    <Tag>Concat</Tag>
    <Operation>
        <ConcatTemplate>
            <ConcatFragment>
```

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```
                <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/start.mp4<
                <FragmentIndex>0</FragmentIndex>
                <StartTime>0</StartTime>
                <EndTime>6</EndTime>
            </ConcatFragment>
            <ConcatFragment>
                <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/middle.mp4
                <FragmentIndex>1</FragmentIndex>
            </ConcatFragment>
            <ConcatFragment>
                <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/end.mp4</U
                <FragmentIndex>2</FragmentIndex>
                <StartTime>5</StartTime>
                <EndTime>10</EndTime>
            </ConcatFragment>
            <Container>
                <Format>mp4</Format>
            </Container>
        </ConcatTemplate>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c5d</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Concat</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <ConcatTemplate>
                <ConcatFragment>
                    <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/start.
                    <StartTime>0</StartTime>
                    <EndTime>6</EndTime>
                </ConcatFragment>
                <ConcatFragment>
                    <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/middle
                </ConcatFragment>
                <ConcatFragment>
                    <Url>http://test-123456789.cos.ap-chongqing.myqcloud.com/end.mp
                    <StartTime>5</StartTime>
                    <EndTime>10</EndTime>
                </ConcatFragment>
                <Container>
                    <Format>mp4</Format>
                </Container>
            </ConcatTemplate>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Digital Watermark Adding Job

Last updated：2024-02-27 15:42:23

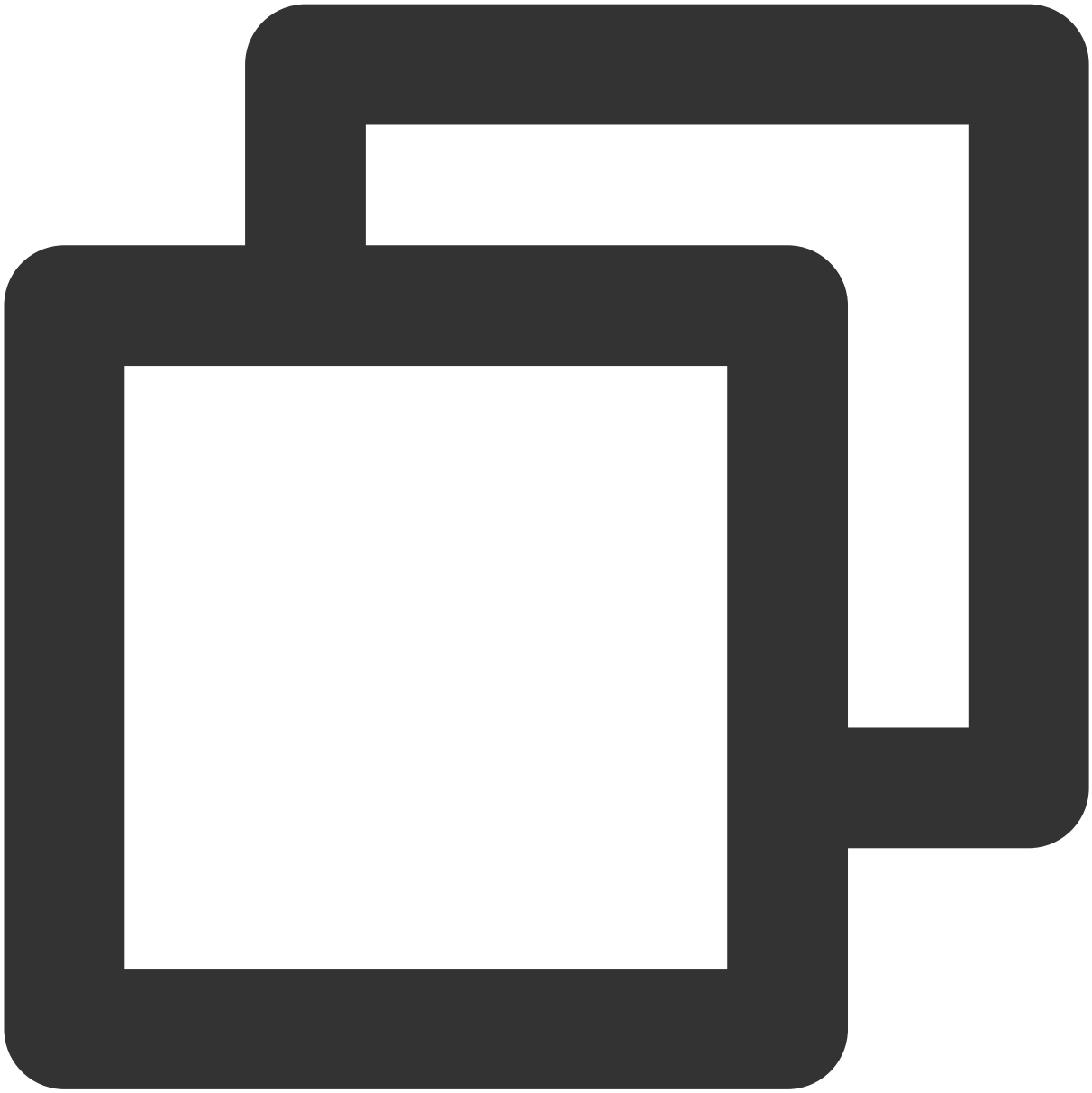
Feature Description

This API is used to submit a digital watermark adding job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

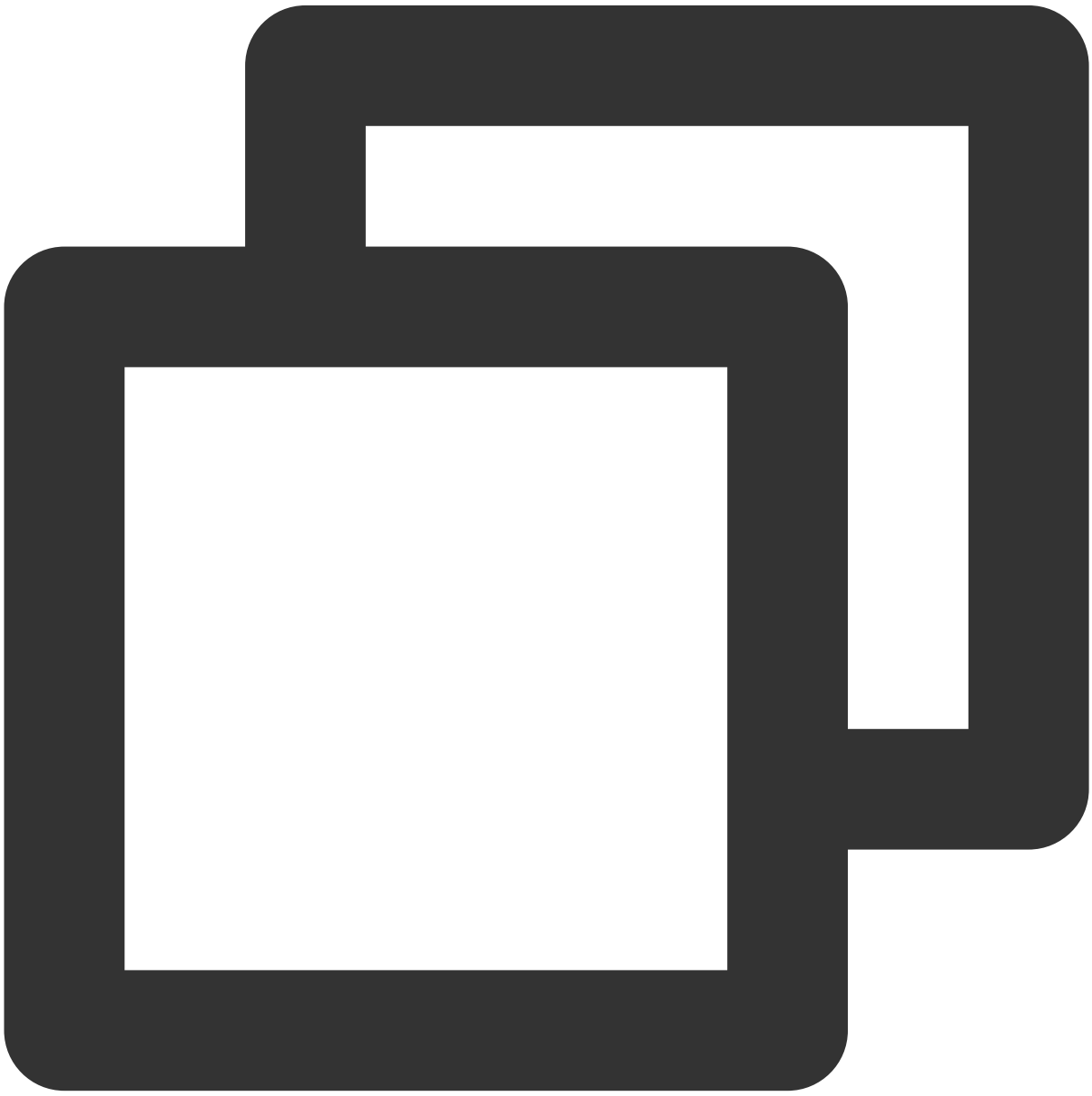
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>DigitalWatermark</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: DigitalWatermark	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No

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CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Output	Request.Operation	Result output address	Container	Yes
DigitalWatermark	Request.Operation	Digital watermark configuration	Container	Yes
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Message	Request.Operation.DigitalWatermark	The string embedded	string	Yes	It can contain up to 64

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		by the digital watermark			letters, digits, underscores (_), hyphens (-), and asterisks (*).
Type	Request.Operation.DigitalWatermark	Watermark type	String	Yes	Text
Version	Request.Operation.DigitalWatermark	Watermark version	String	Yes	V1

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

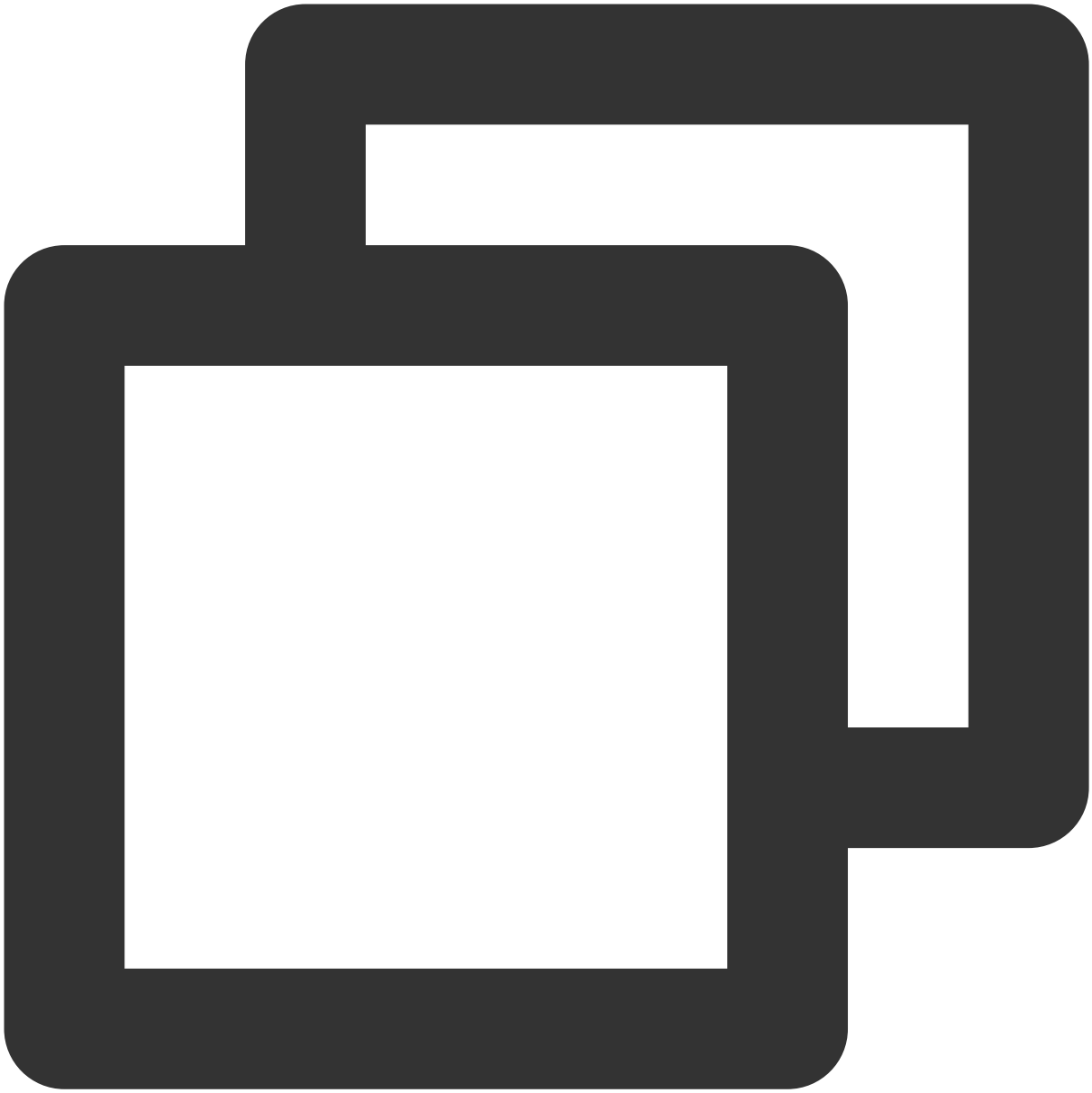
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>DigitalWatermark</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String

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Tag	Response.JobsDetail	Job tag: DigitalWatermark	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Ty
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Co
DigitalWatermark	Response.JobsDetail.Operation	Same as `Request.Operation.DigitalWatermark` in the request.	Co
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.	Co
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Co
UserData	Response.JobsDetail.Operation	The user information passed through.	St
JobLevel	Response.JobsDetail.Operation	Job priority	St

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`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

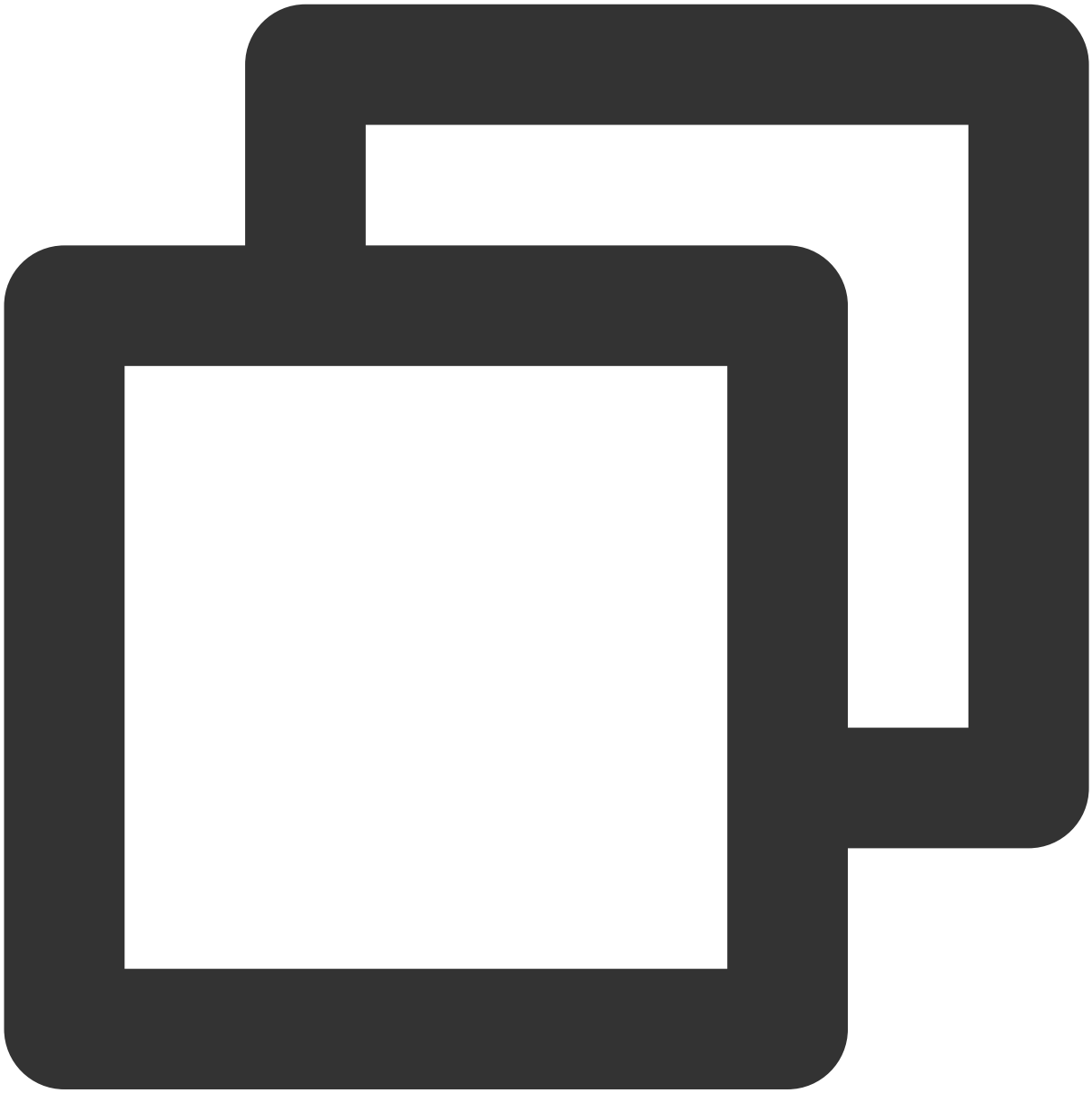
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

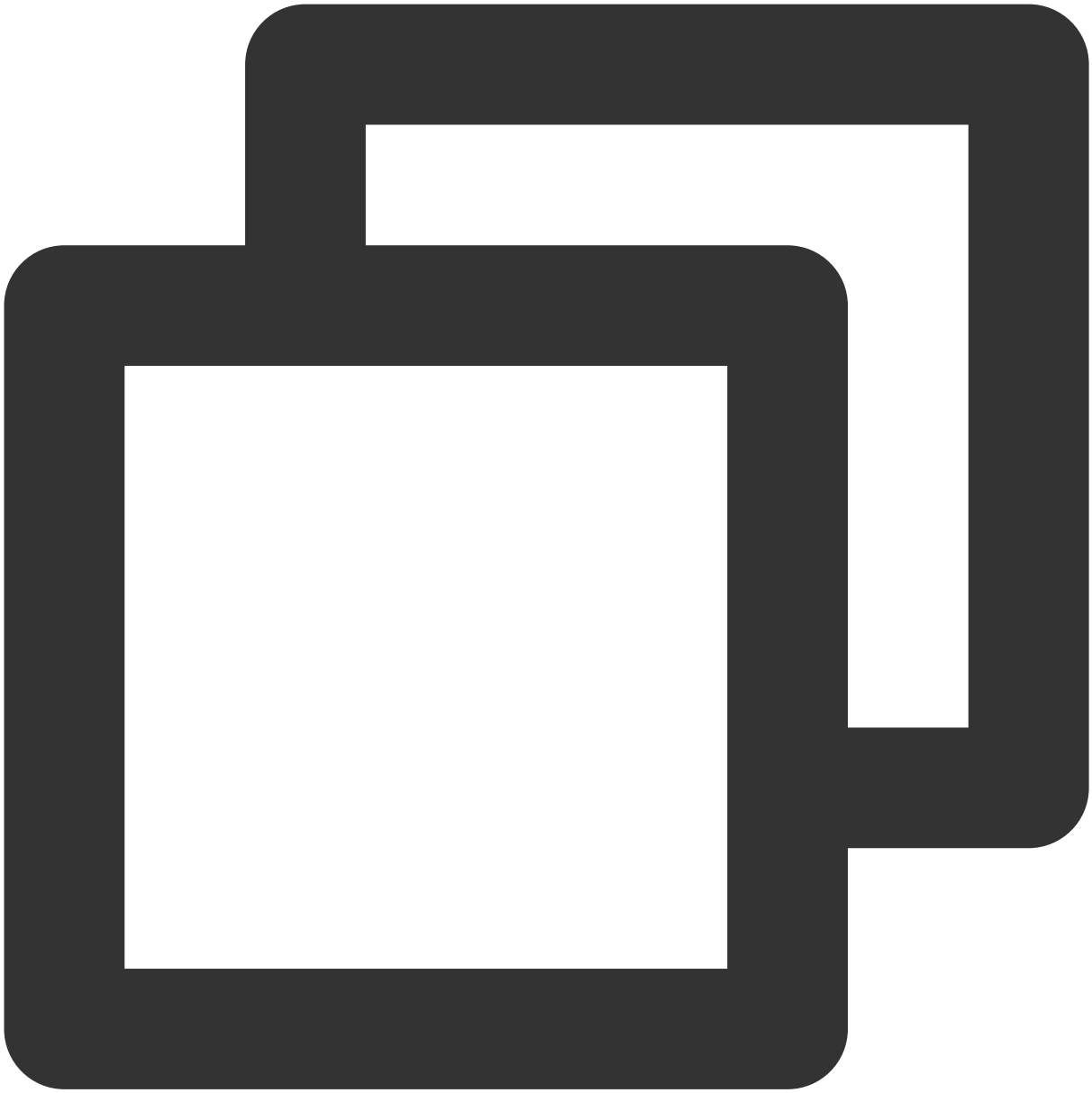
<Request>
    <Tag>DigitalWatermark</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>DigitalWatermark</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Digital Watermark Extracting Job

Last updated：2024-02-27 15:42:23

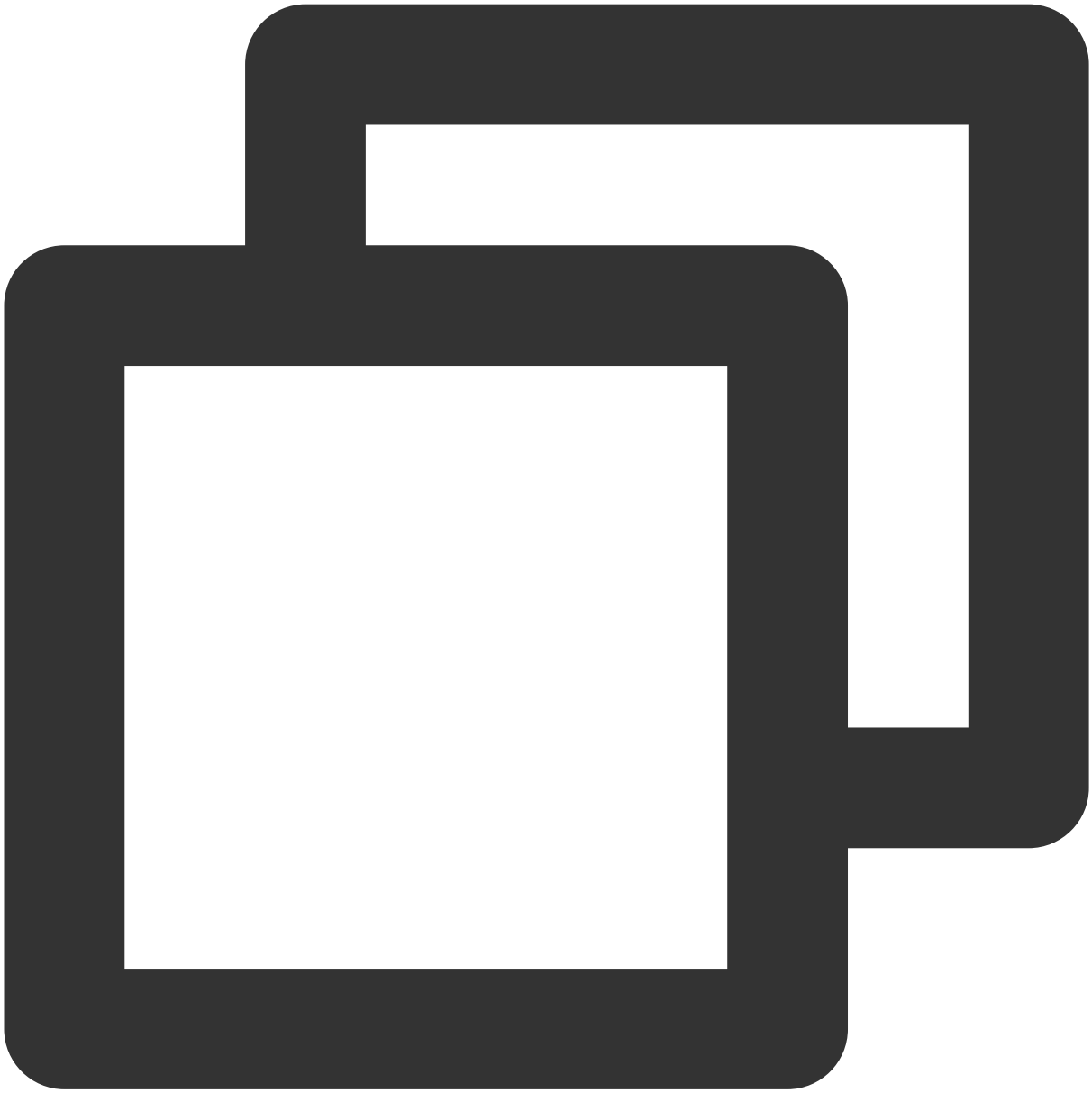
Feature Description

This API is used to submit a digital watermark extracting job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

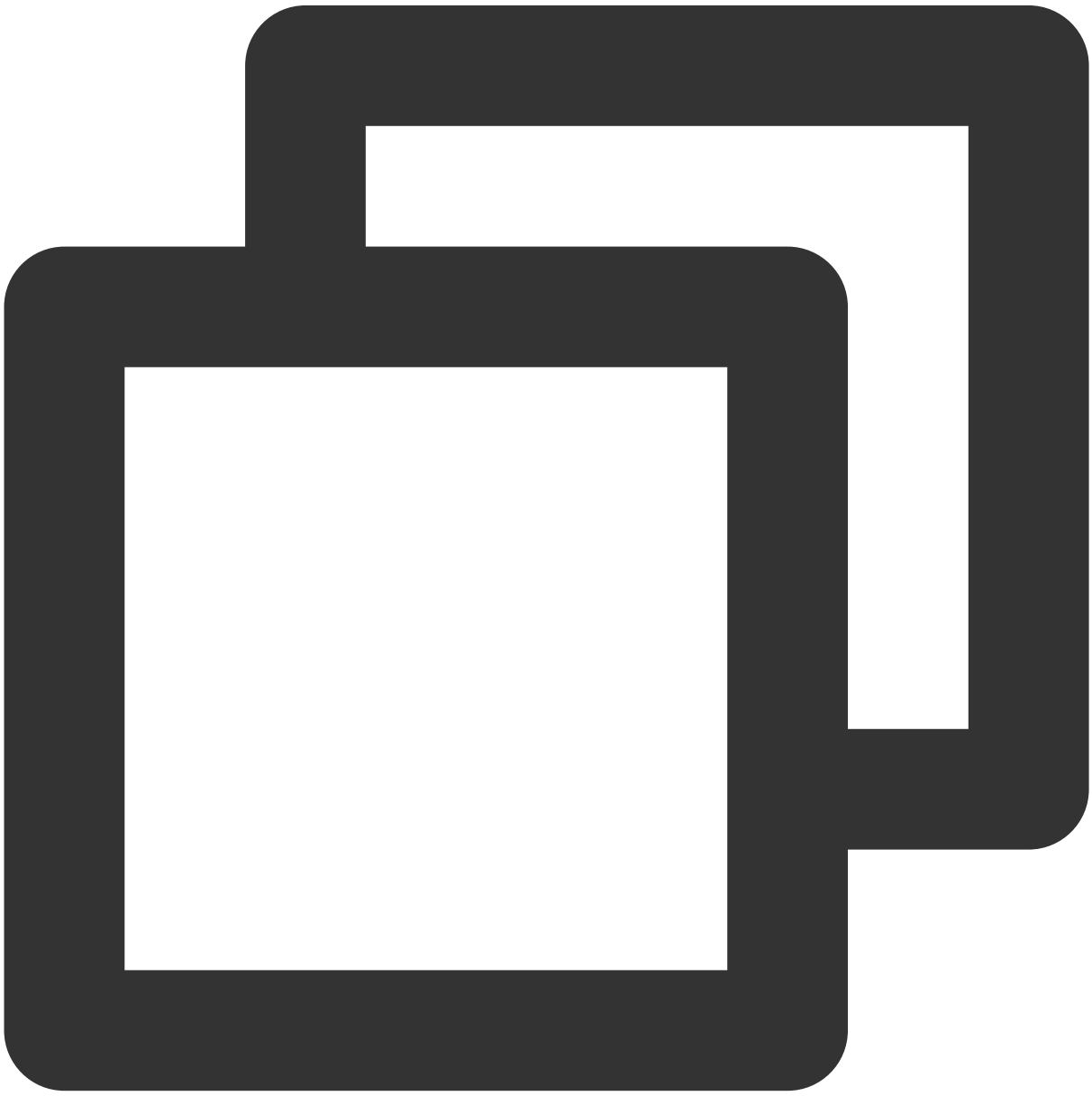
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>ExtractDigitalWatermark</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <ExtractDigitalWatermark>
            <Type>Text</Type>
            <Version>V1</Version>
        </ExtractDigitalWatermark>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: ExtractDigitalWatermark	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ` . It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher	String	No

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		priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.		
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
ExtractDigitalWatermark	Request.Operation	Digital watermark extraction configuration	Container	Yes
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No

`ExtractDigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Type	Request.Operation.ExtractDigitalWatermark	Watermark type	String	Yes	Text
Version	Request.Operation.ExtractDigitalWatermark	Watermark version	String	Yes	V1

Response

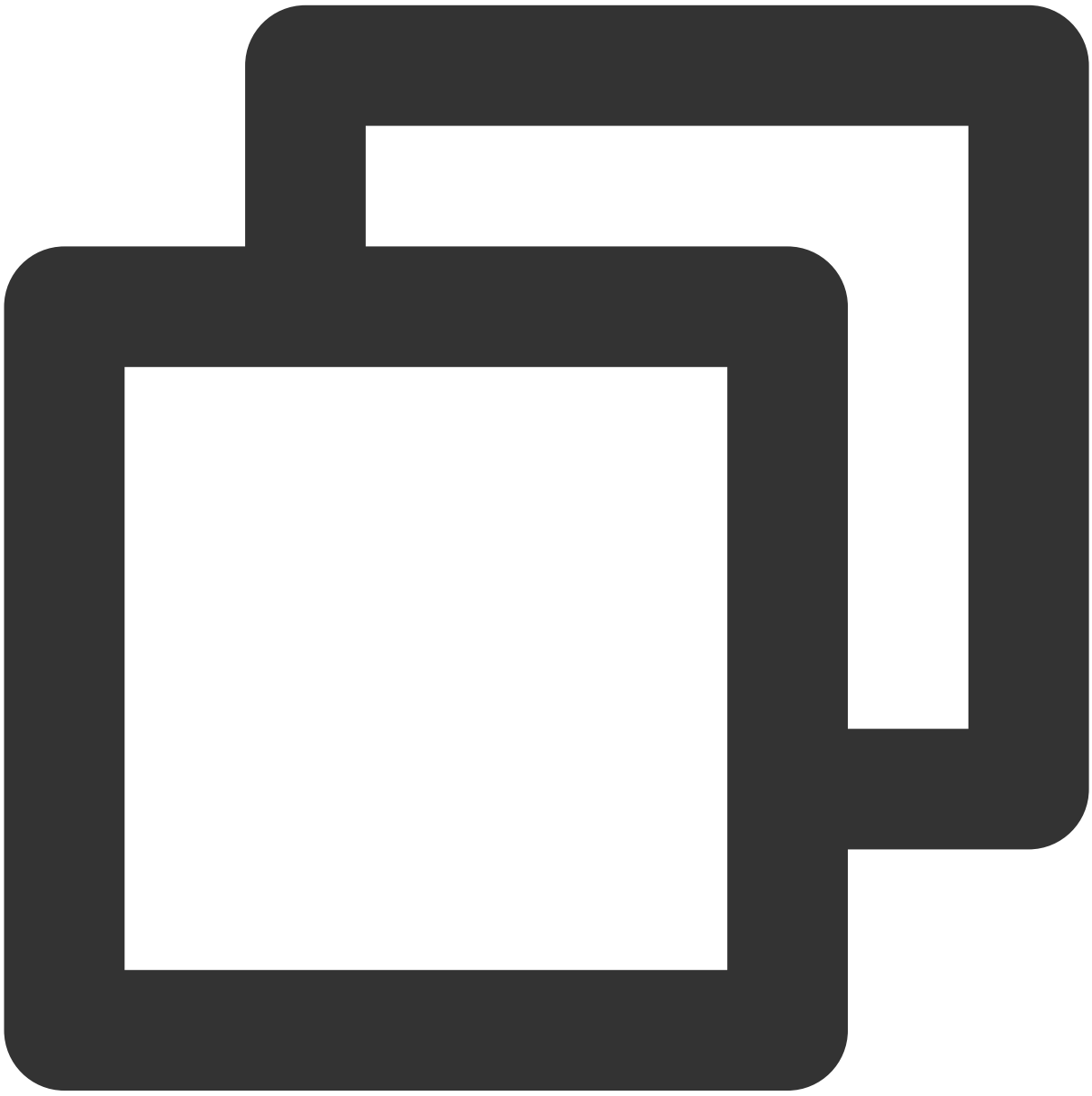
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Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
```

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```
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>ExtractDigitalWatermark</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <ExtractDigitalWatermark>
                <Type>Text</Type>
                <Version>V1</Version>
            </ExtractDigitalWatermark>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String

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Tag	Response.JobsDetail	Job tag: ExtractDigitalWatermark	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ExtractDigitalWatermark	Response.JobsDetail.Operation	Digital watermark configuration	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`ExtractDigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Message	Response.JobsDetail.Operation.ExtractDigitalWatermark	The extracted digital watermark string	string
Type	Response.JobsDetail.Operation.ExtractDigitalWatermark	Watermark type	String

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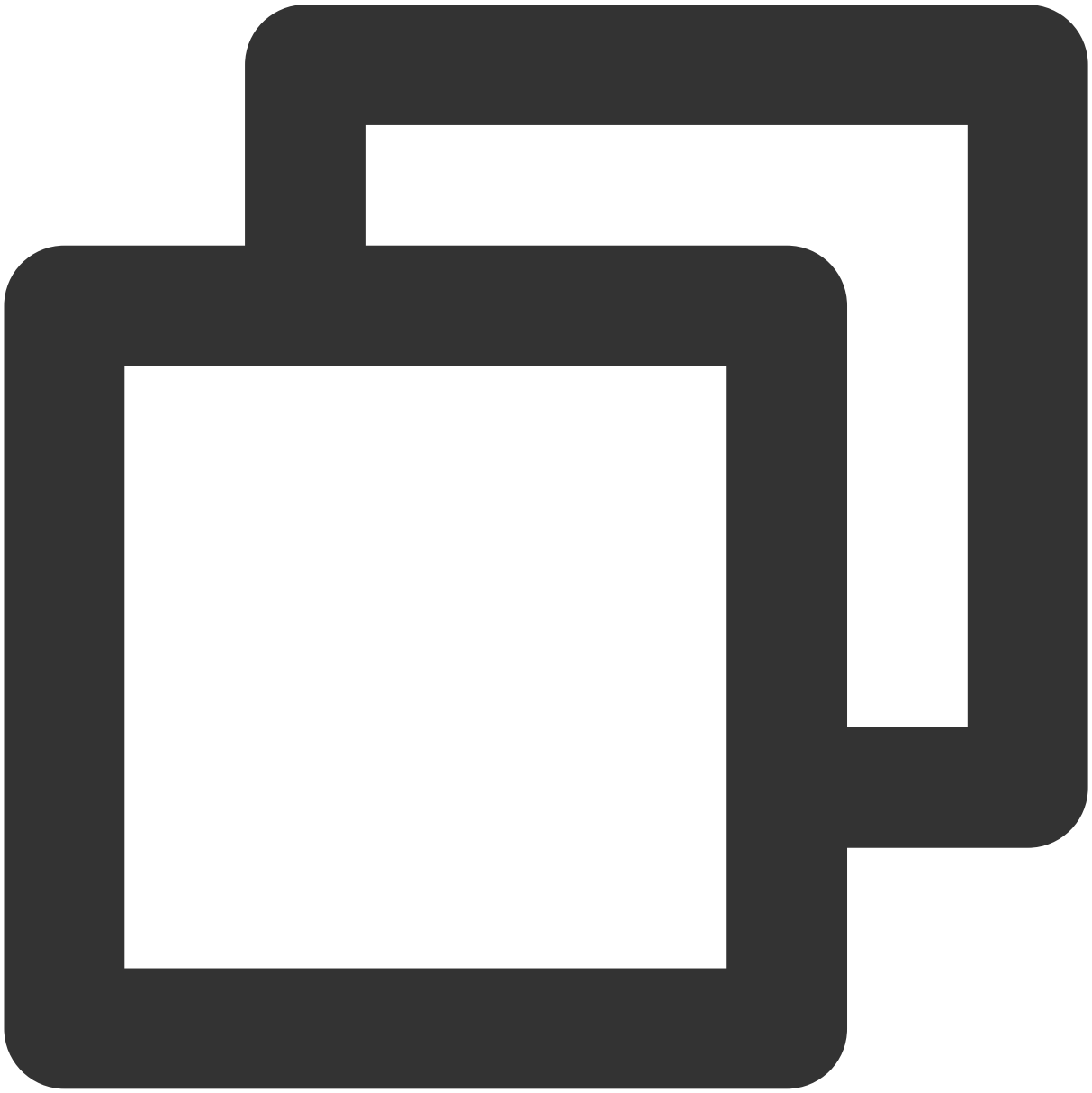
Version	Response.JobsDetail.Operation.ExtractDigitalWatermark	Watermark version	String

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



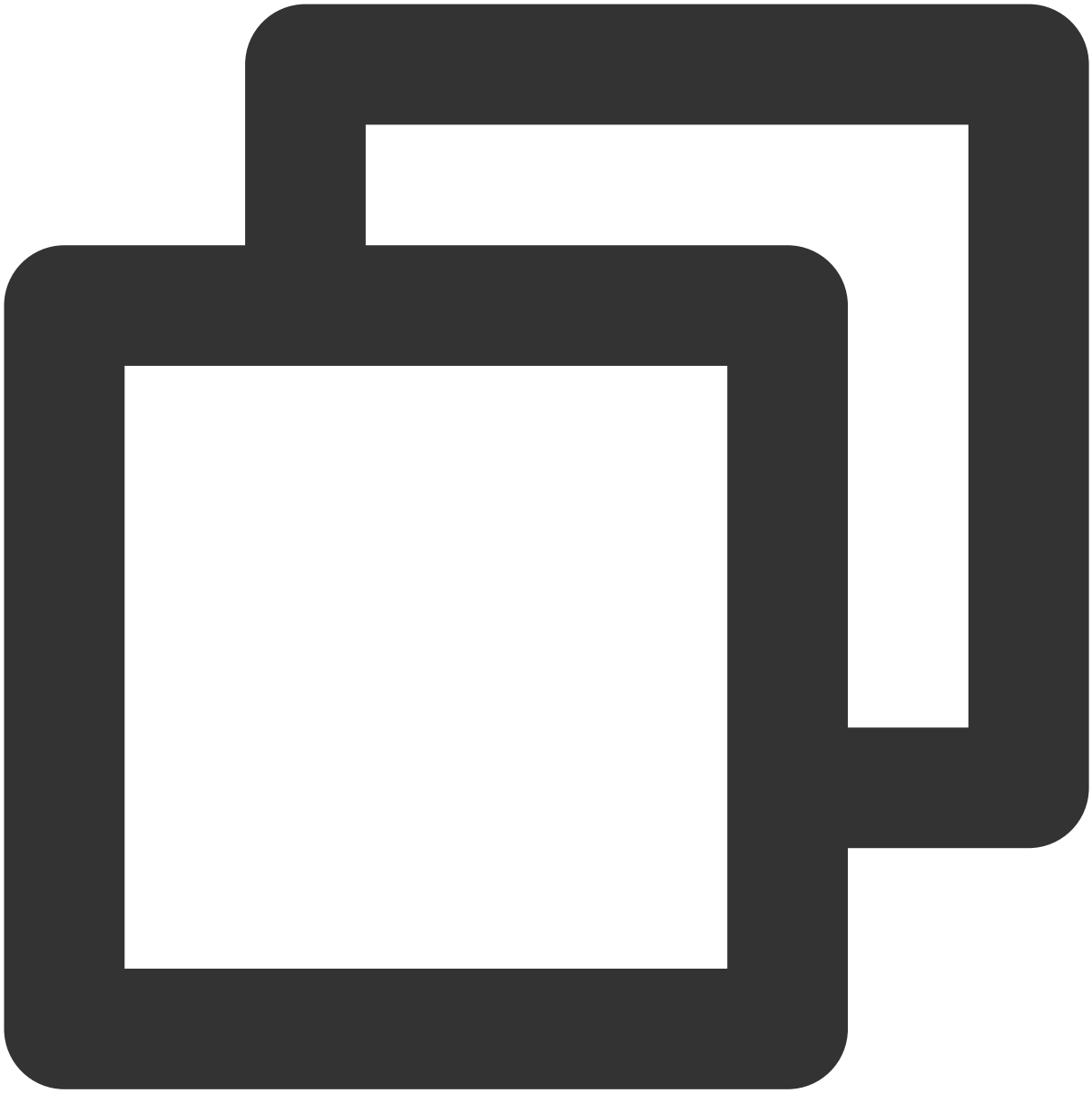
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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>ExtractDigitalWatermark</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <ExtractDigitalWatermark>
            <Type>Text</Type>
            <Version>V1</Version>
        </ExtractDigitalWatermark>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>ExtractDigitalWatermark</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <ExtractDigitalWatermark>
                <Type>Text</Type>
                <Version>V1</Version>
            </ExtractDigitalWatermark>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Media Information Query Job

Last updated：2024-02-27 15:42:23

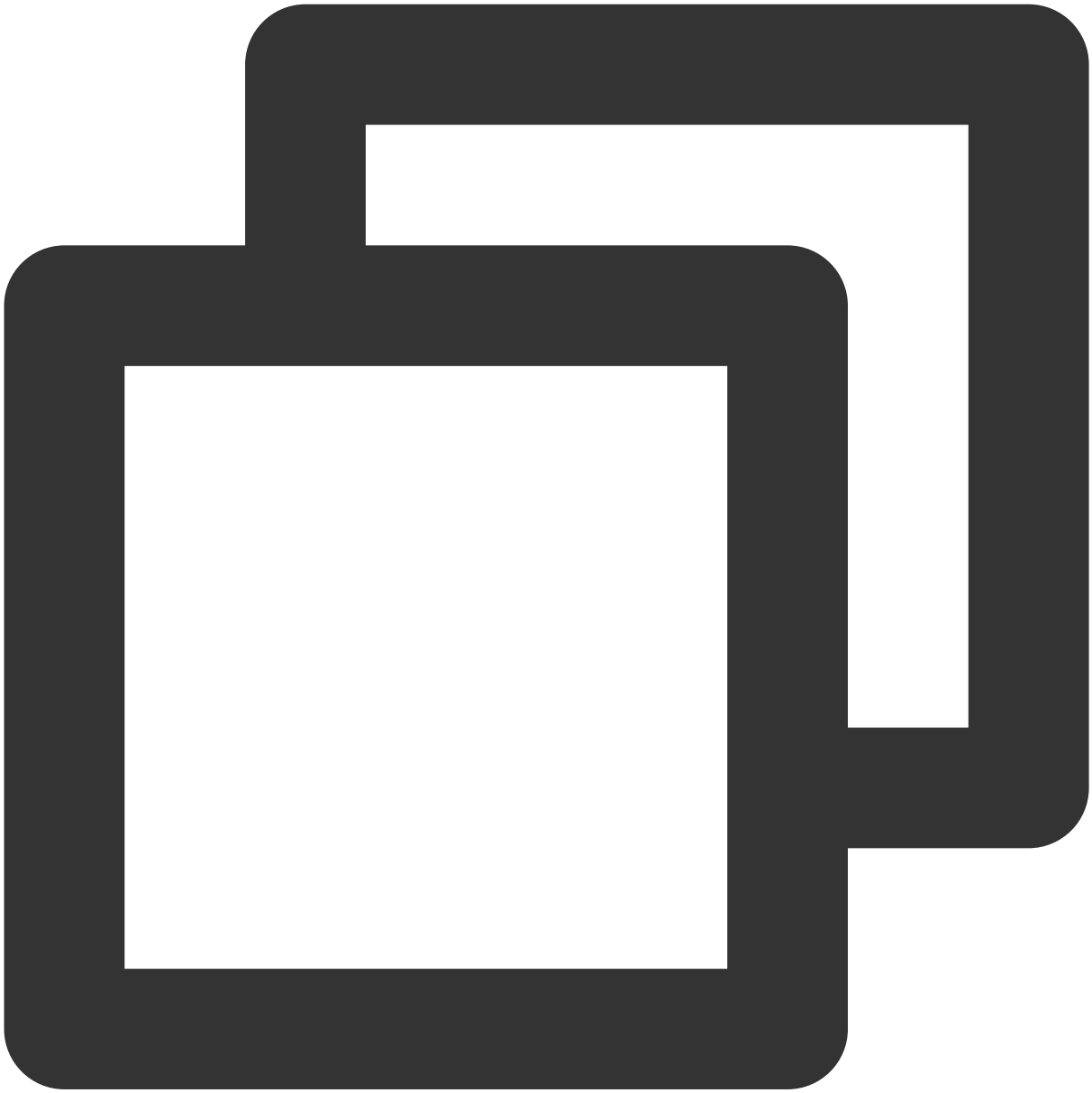
Feature Description

This API is used to submit a media information query job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

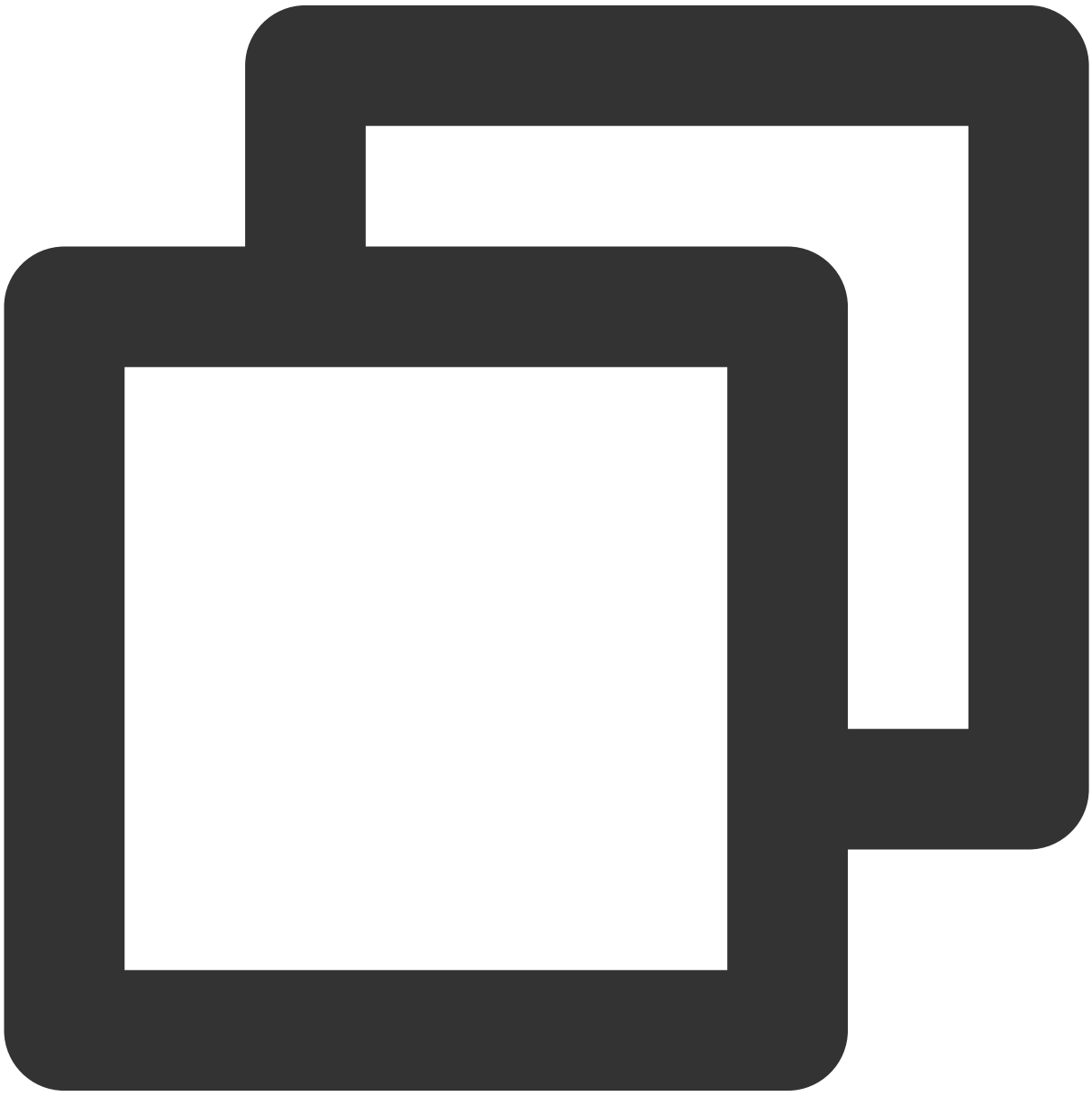
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>MediaInfo</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: MediaInfo	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ` . It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no` , no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as	Container	No

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		described in Structure, which is required if `CallBackType` is `TDMQ` .		

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` , `1` , `2` . Default value: `0` .	String	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

Response

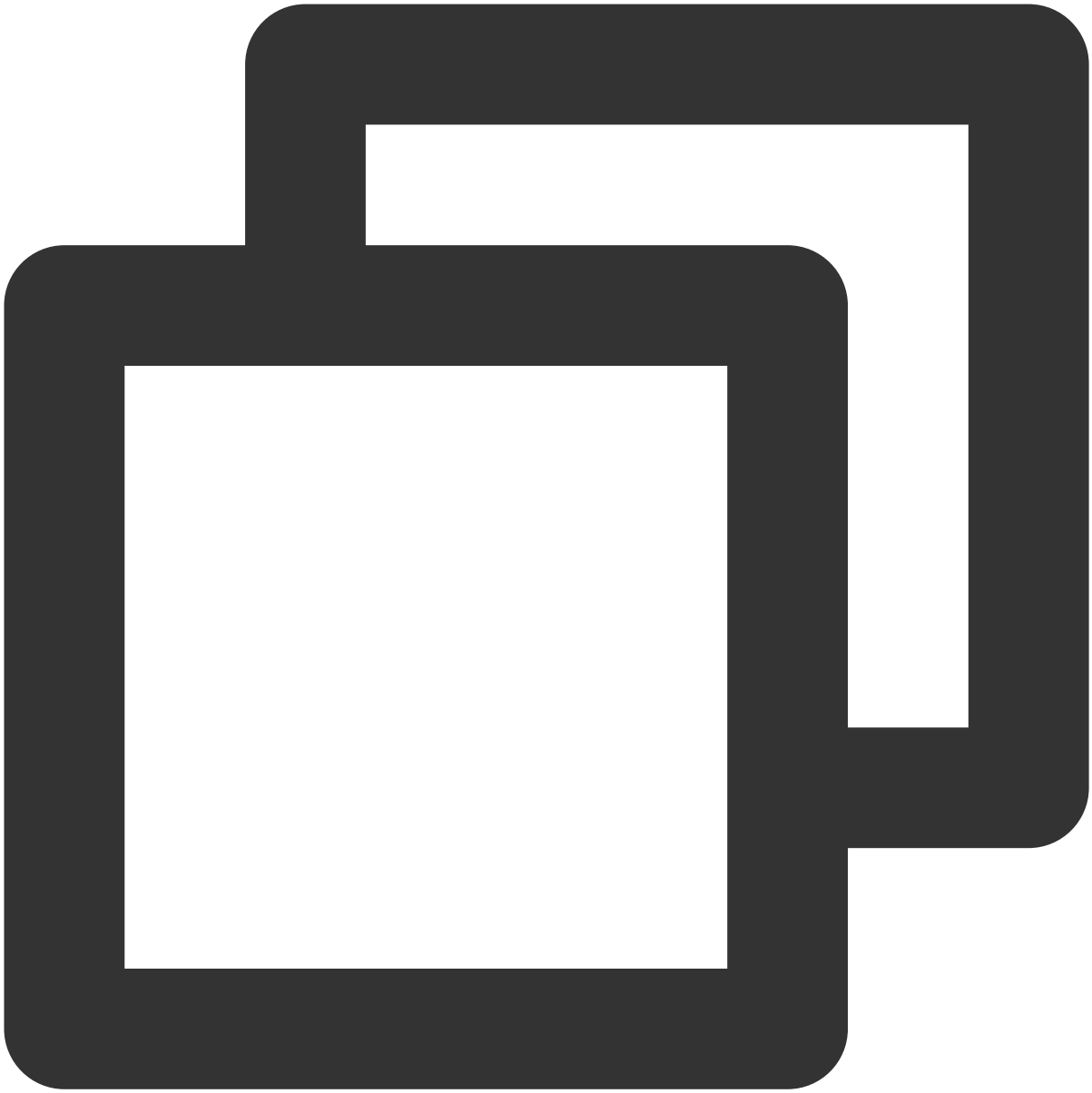
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>MediaInfo</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: MediaInfo	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String

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EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
MediaInfo	Response.JobsDetail.Operation	Output video information, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

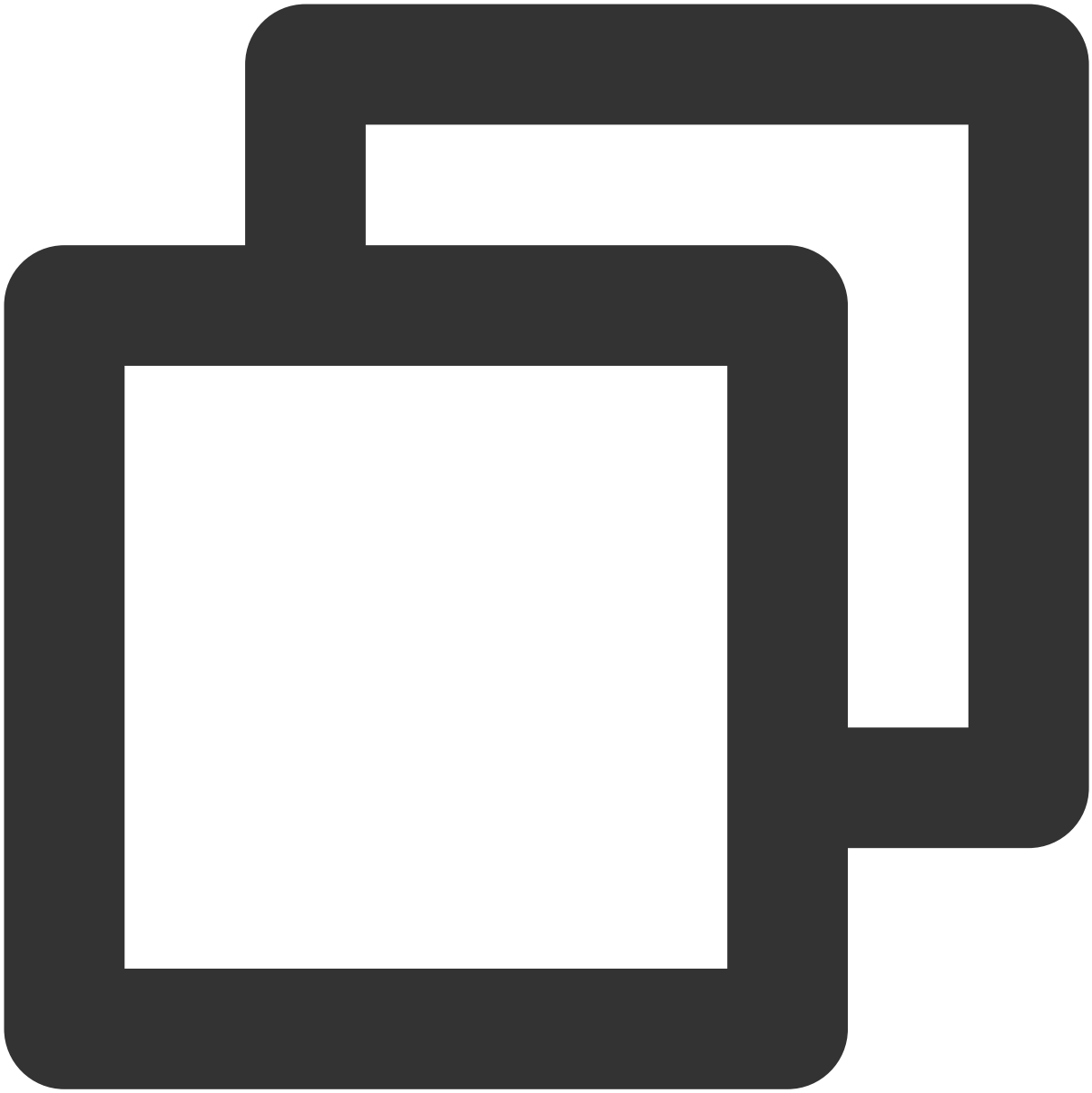
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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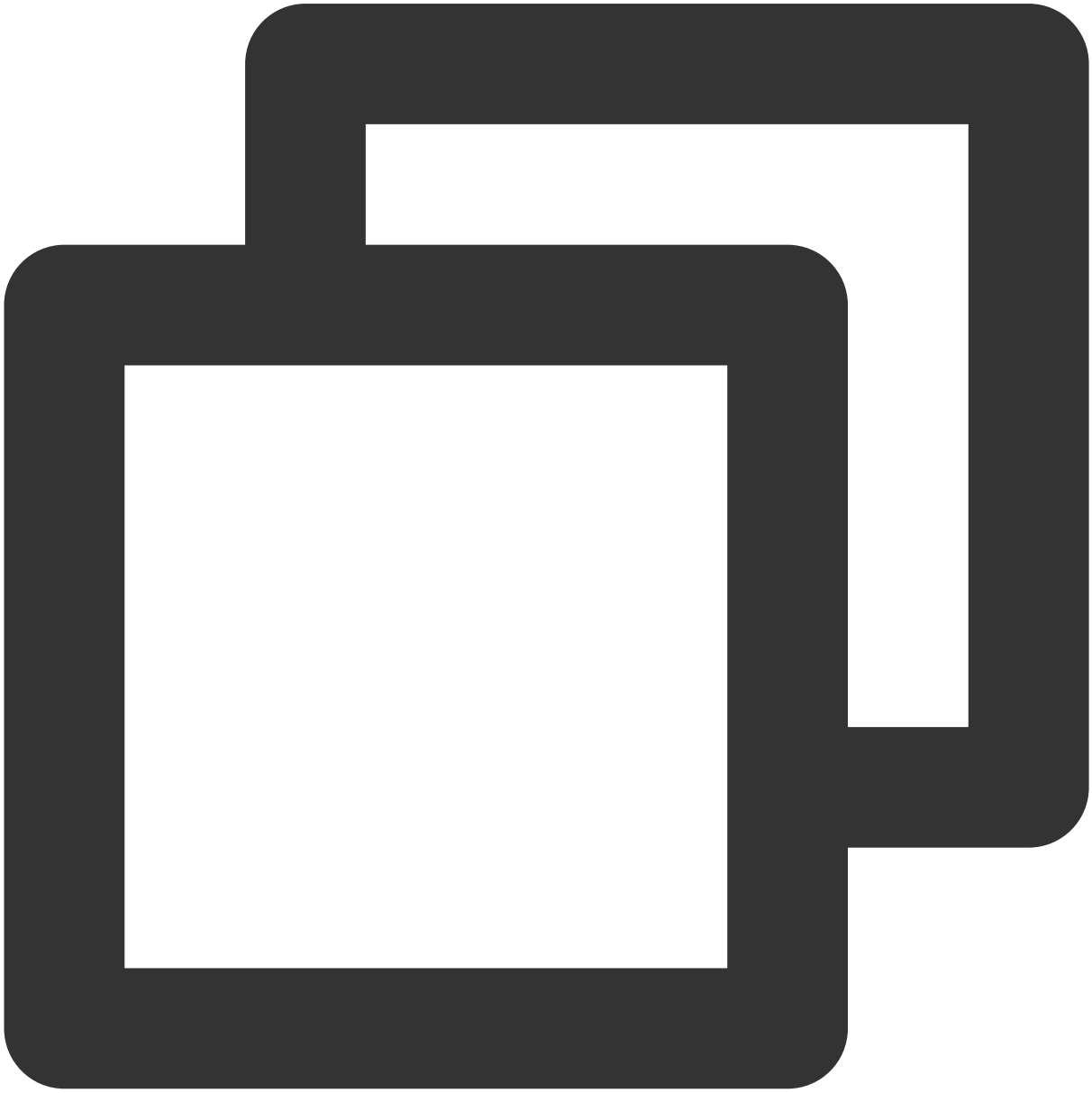
```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>MediaInfo</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response



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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>MediaInfo</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Audio Noise Reduction Job

Last updated：2024-02-27 15:42:23

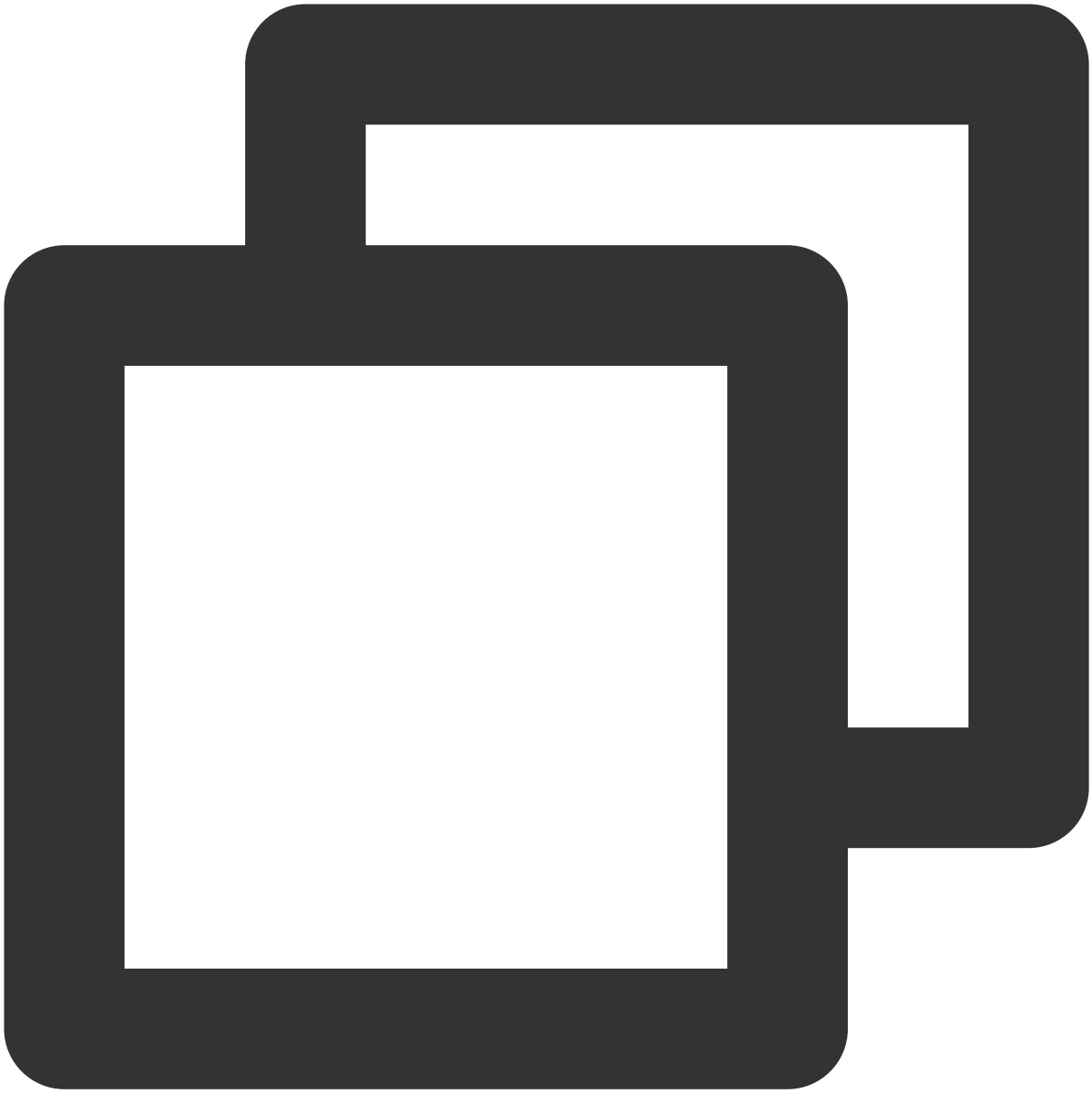
Feature Description

This API is used to submit an audio noise reduction job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

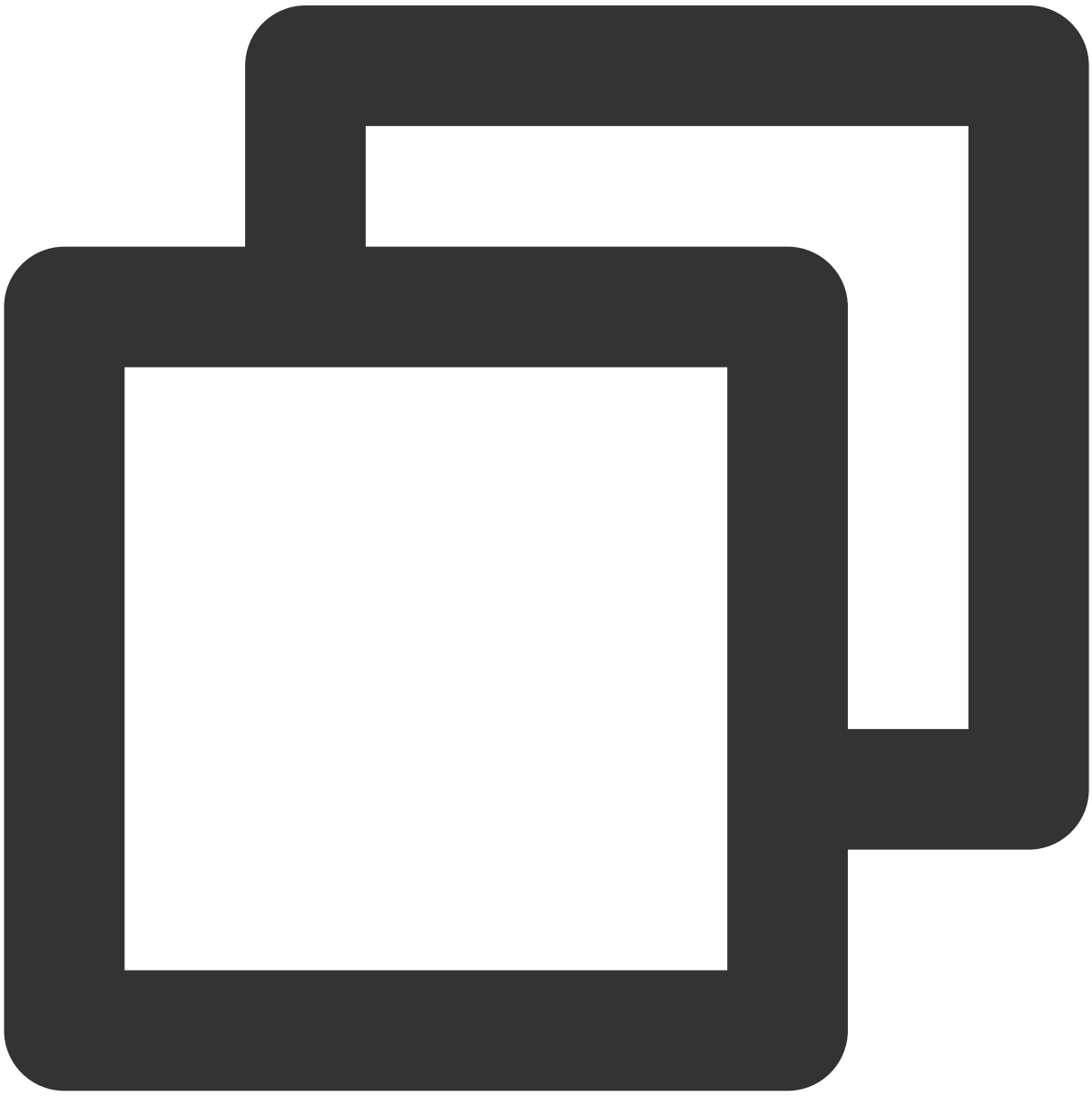
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>NoiseReduction</Tag>
    <Input>
        <Object>input/demo.mp3</Object>
    </Input>
    <Operation>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.wav</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type: NoiseReduction	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Name of the media file on which to execute the audio noise reduction job. 1. Currently, only audio files within 10 MB in size are supported. 2. If the input is a video file or a multi-channel audio, only mono-channel audio streams will be retained. 3. M3U8 input audios are not supported.	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Output	Request.Operation	Result output address	Container	Yes
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

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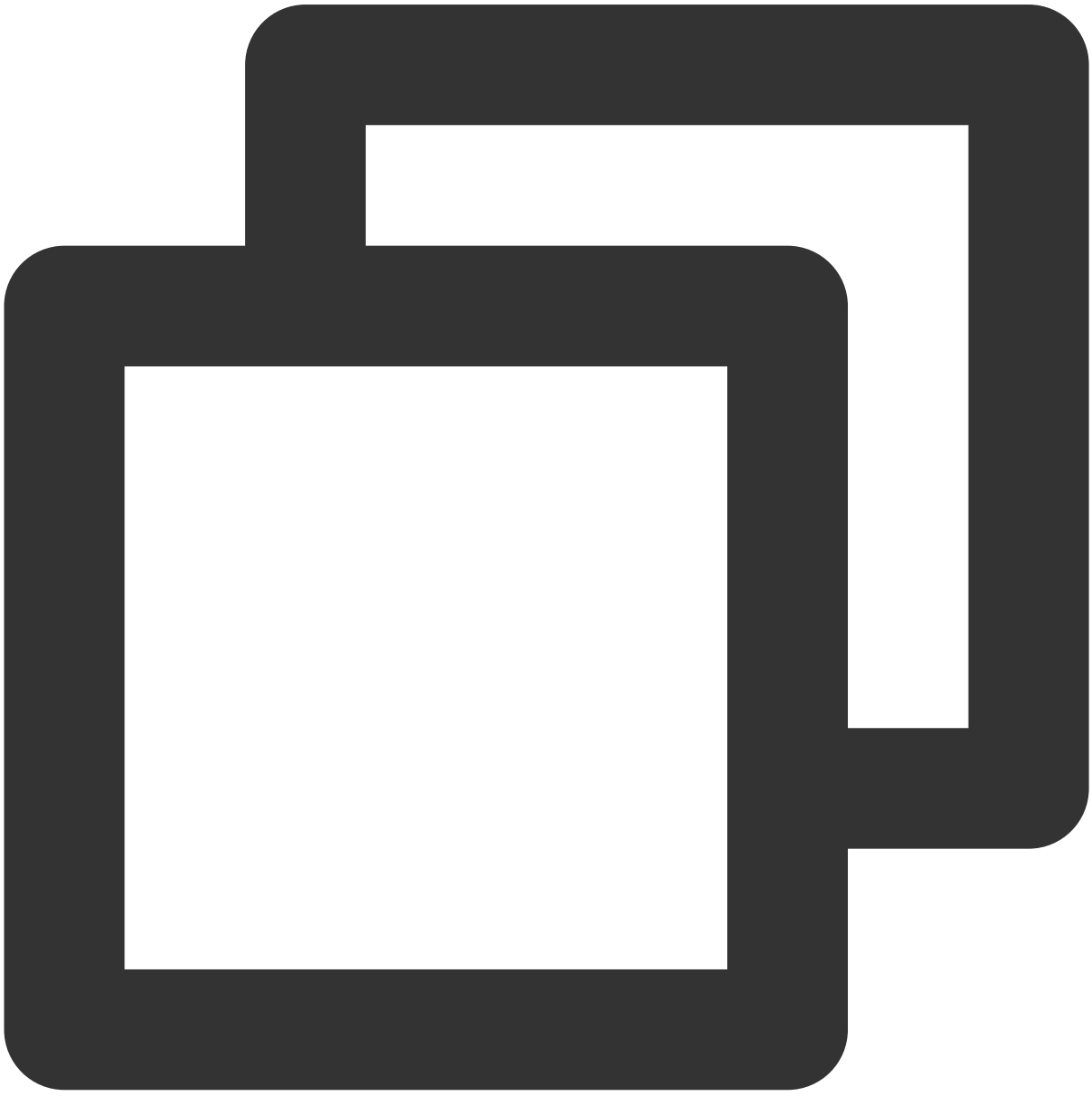
Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>NoiseReduction</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.wav</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is	String

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		`Failed`	
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type: NoiseReduction	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

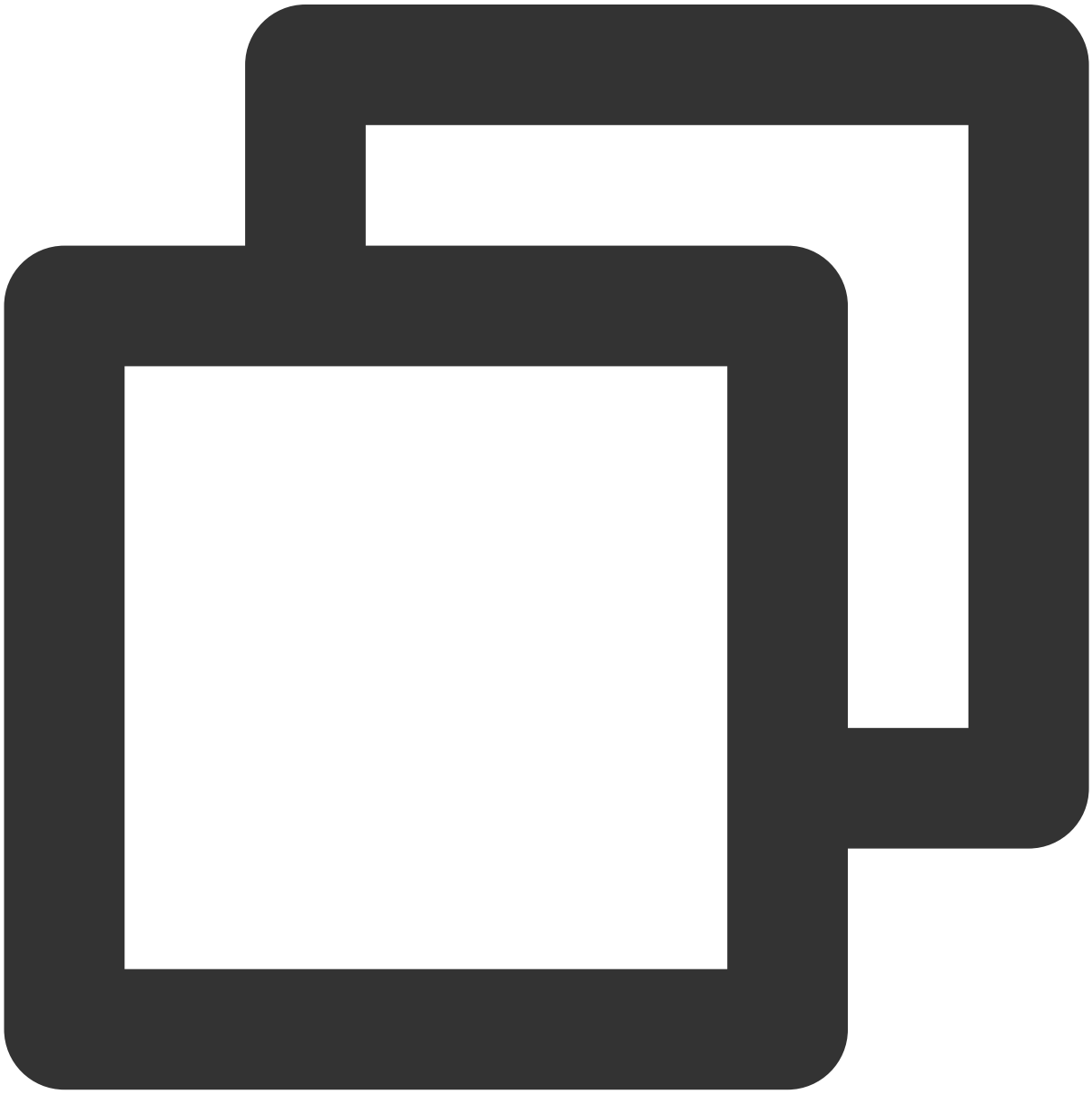
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
```

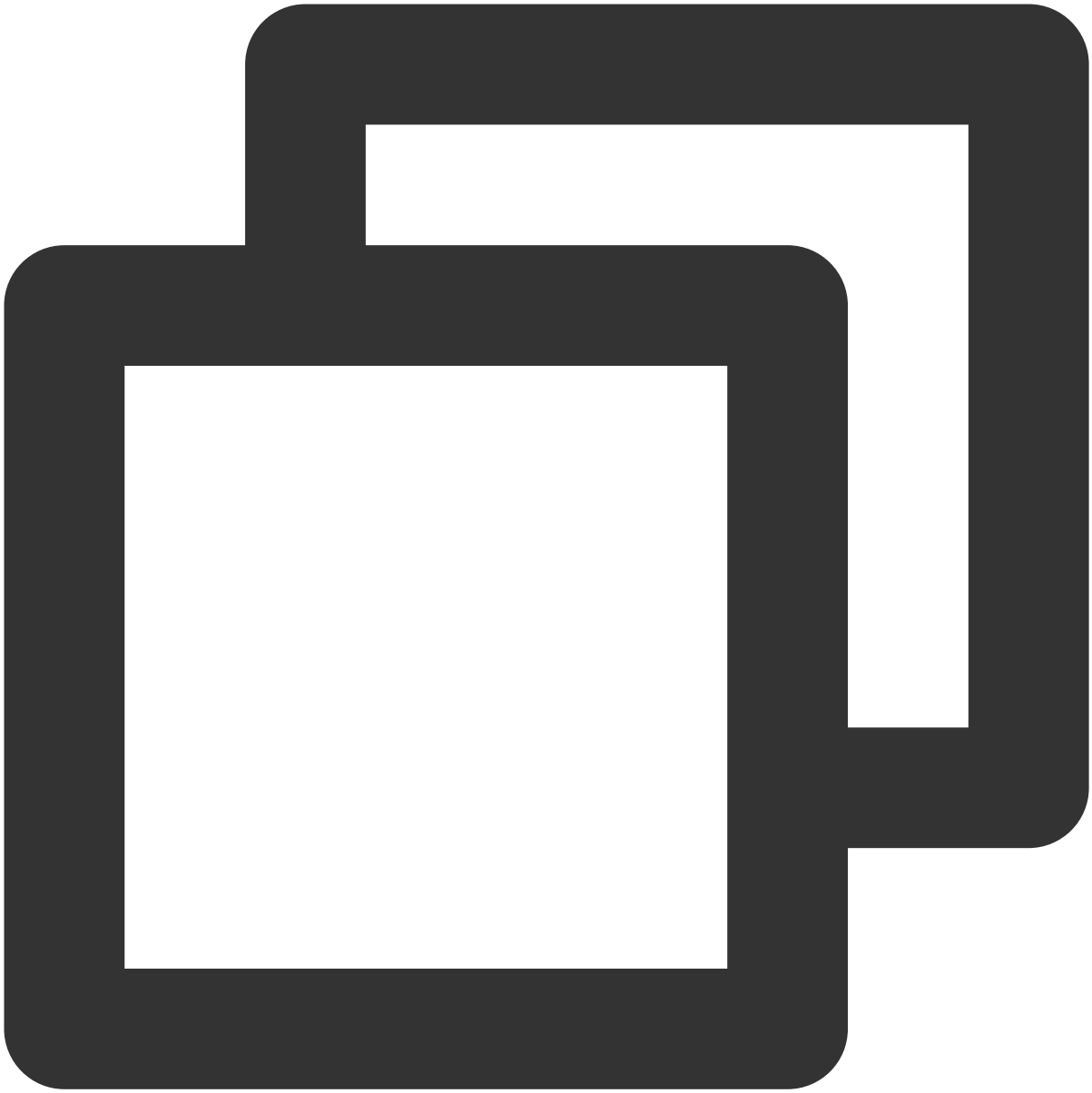
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```
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>NoiseReduction</Tag>
    <Input>
        <Object>input/demo.mp3</Object>
    </Input>
    <Operation>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.wav</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhfMjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>NoiseReduction</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.wav</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Video Quality Scoring Job

Last updated：2024-02-27 15:42:23

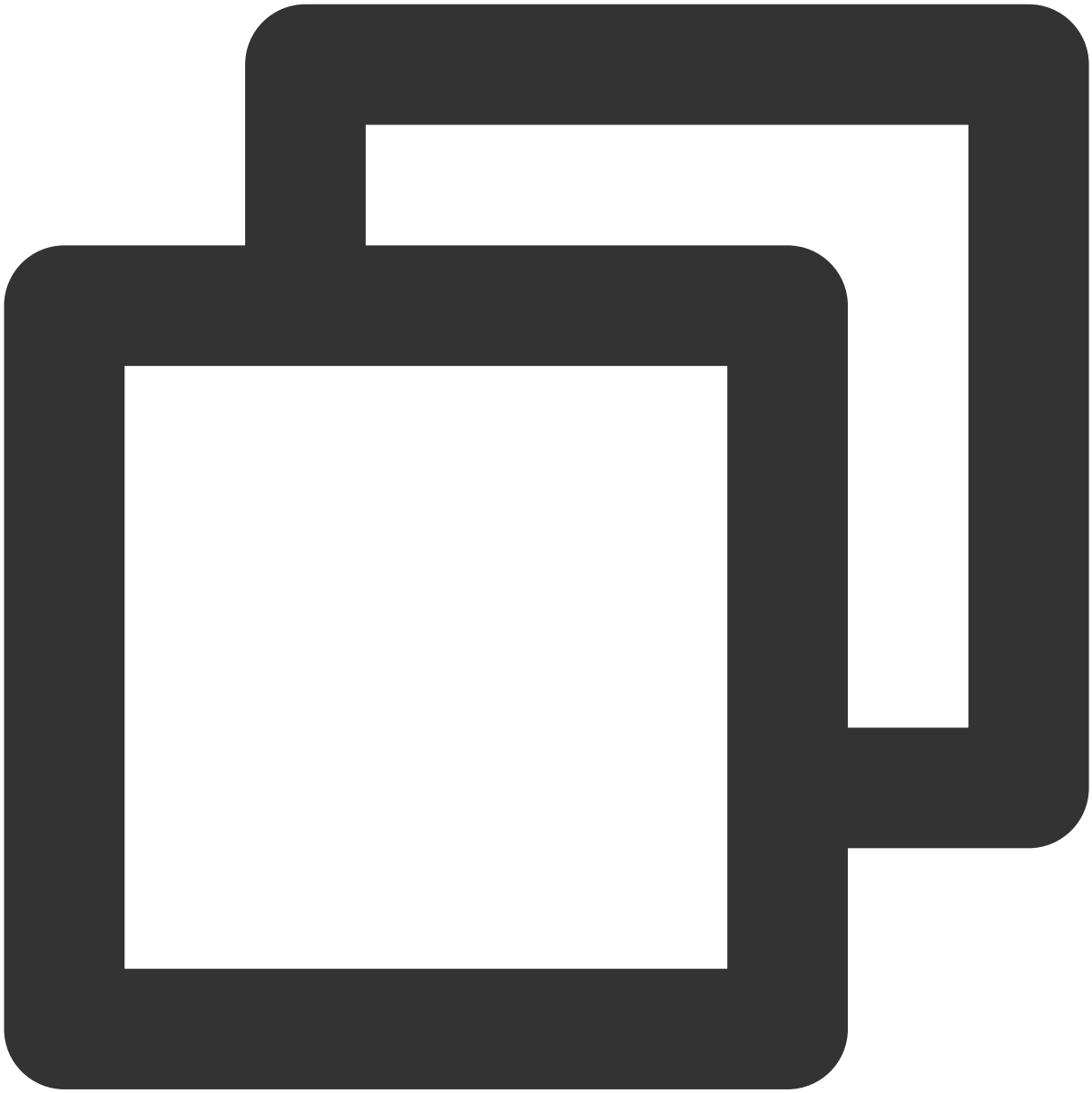
Feature Description

This API is used to submit a video quality analysis job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

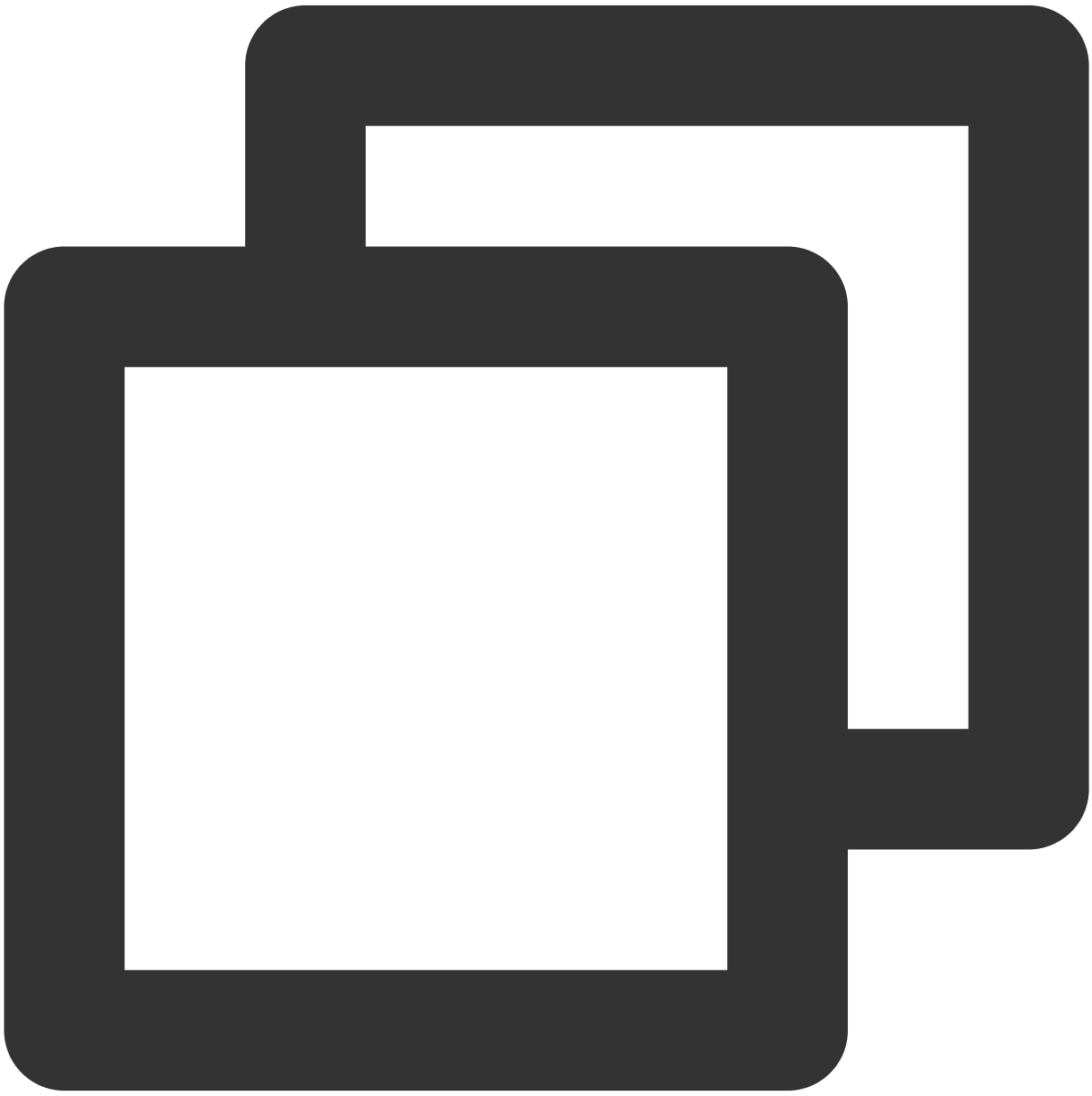
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>QualityEstimate</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: QualityEstimate	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as	Container	No

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		described in Structure, which is required if `CallBackType` is `TDMQ` .		

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` , `1` , `2` . Default value: `0` .	String	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

Response

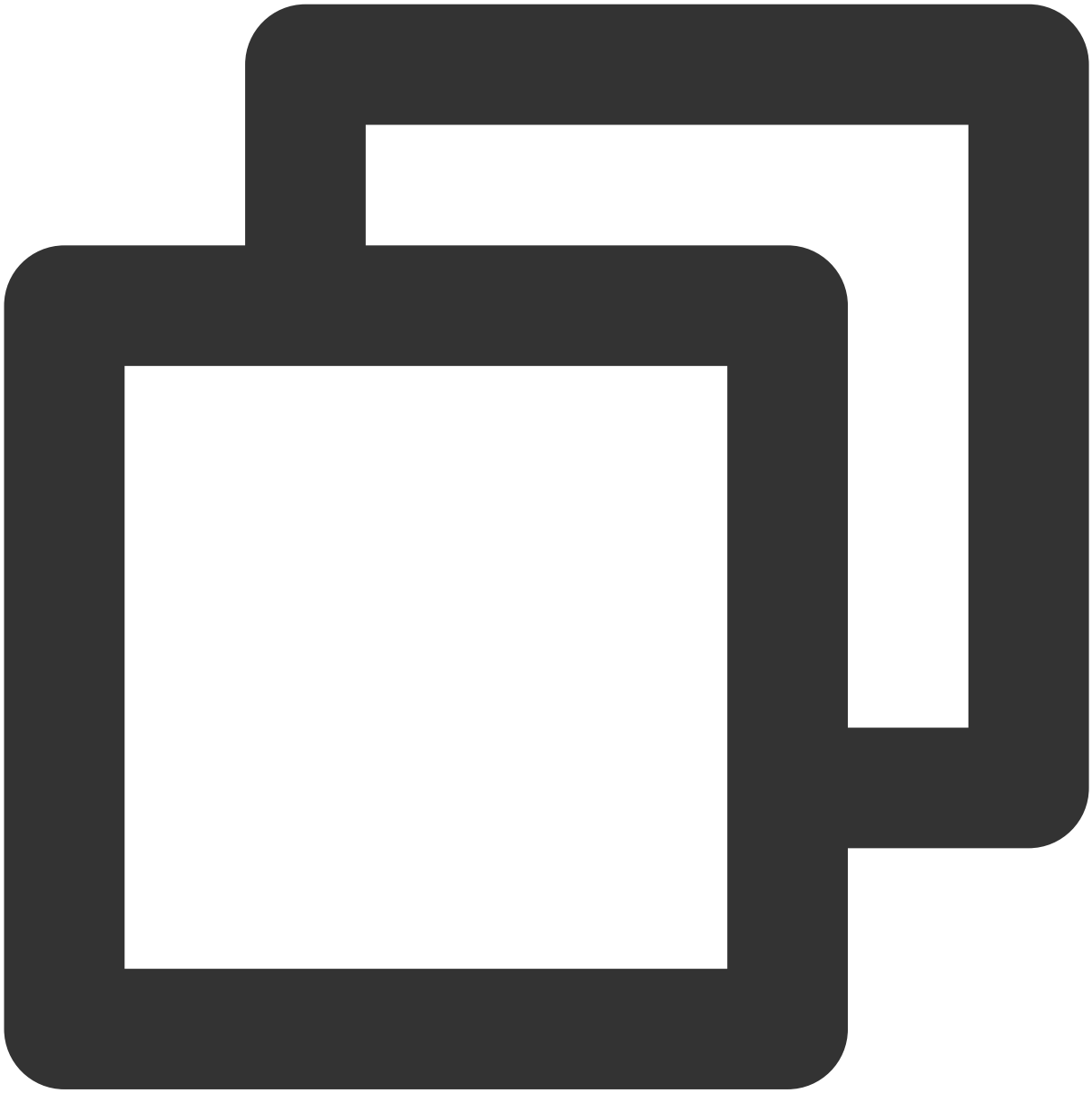
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>QualityEstimate</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: QualityEstimate	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String

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EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
MediaInfo	Response.JobsDetail.Operation	Output video information, which will not be returned when the job is not completed.	Container
QualityEstimate	Response.JobsDetail.Operation	Video analysis result, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String

`QualityEstimate` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Score	Response.JobsDetail.Operation.QualityEstimate	Video quality score up to 10. If the score reaches 6, the video quality can be considered good.	String

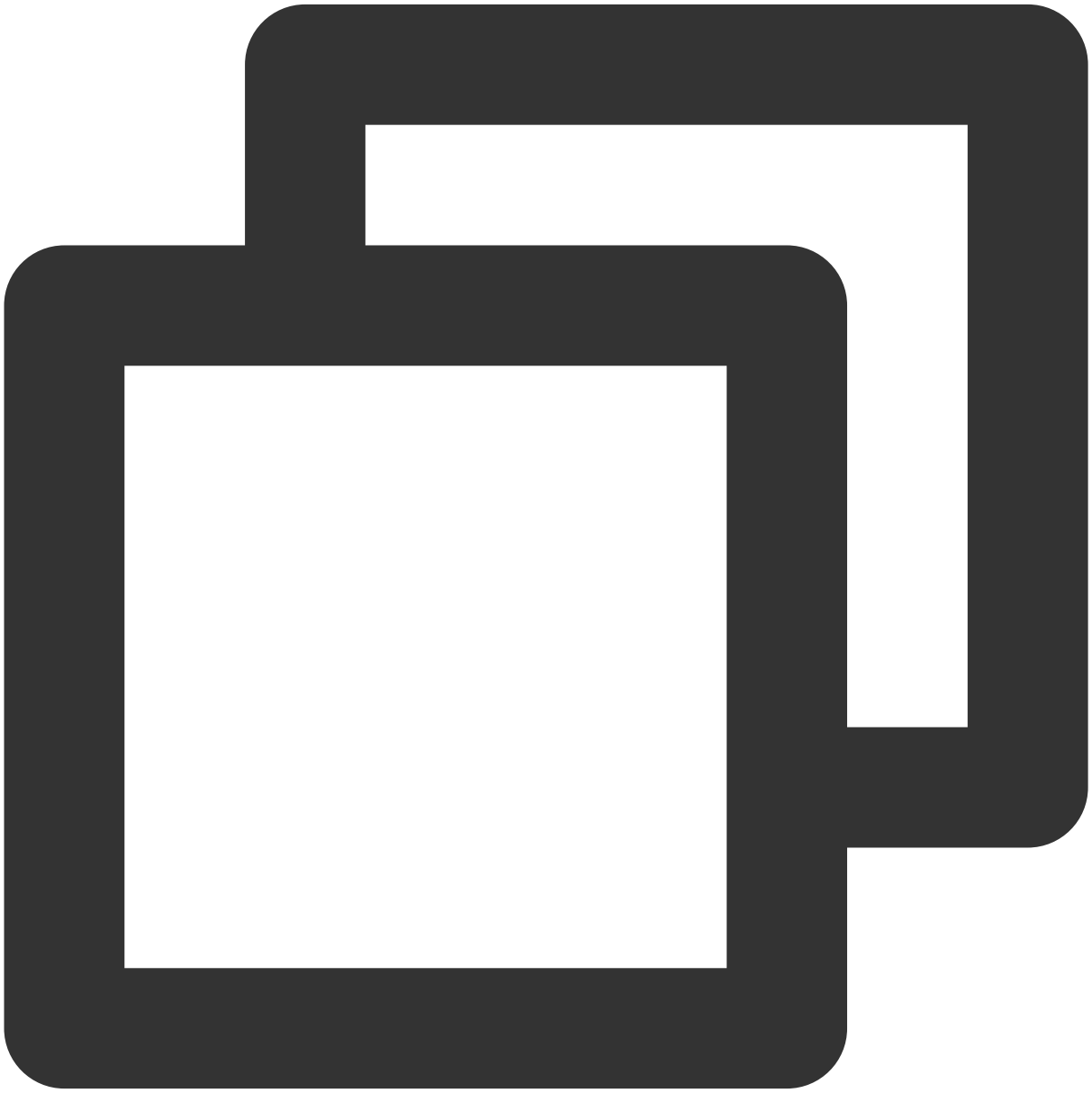
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Samples

Request



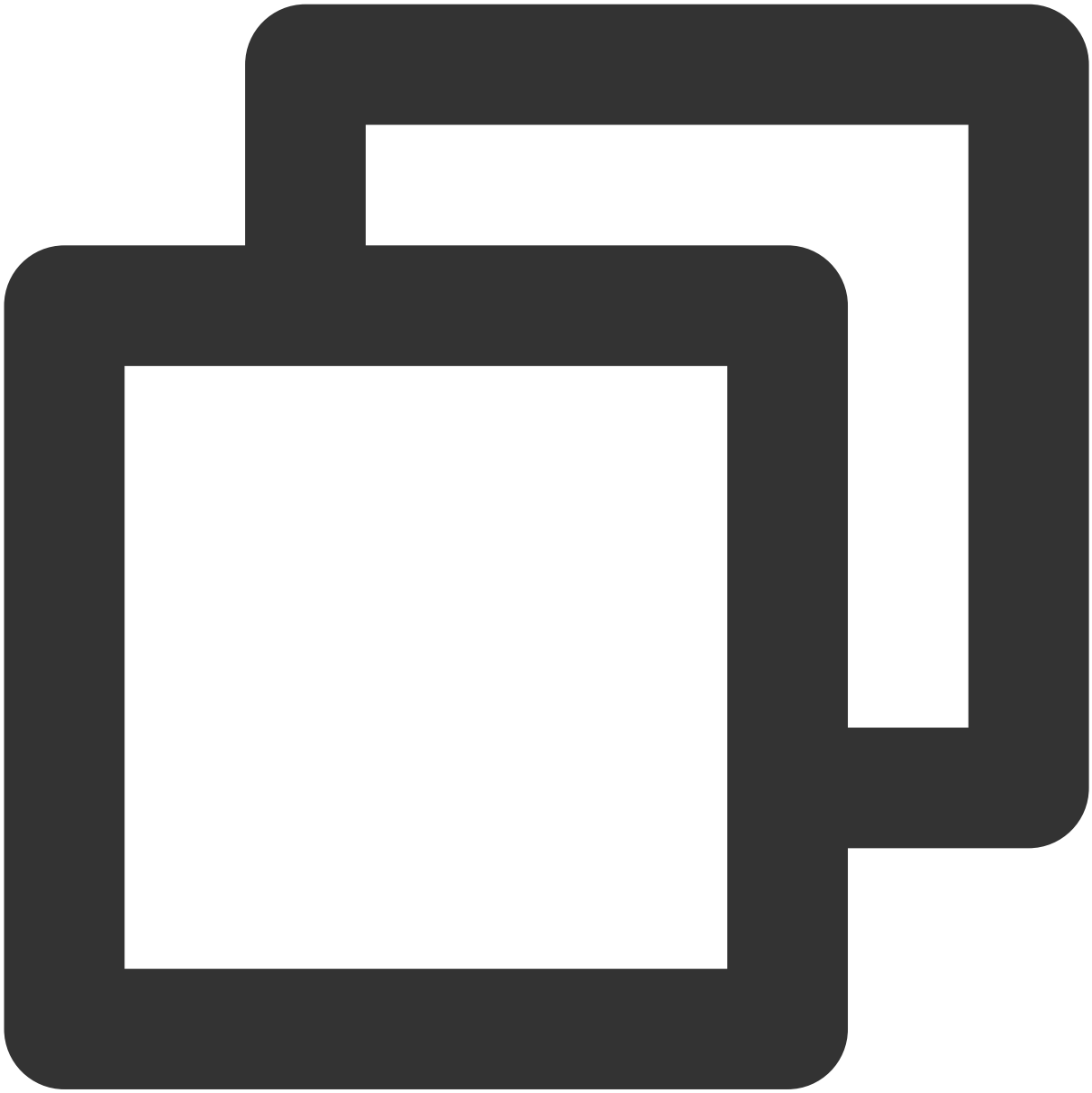
```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml
```

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```
<Request>
    <Tag>QualityEstimate</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>QualityEstimate</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting SDR-to-HDR Job

Last updated：2024-02-27 15:42:23

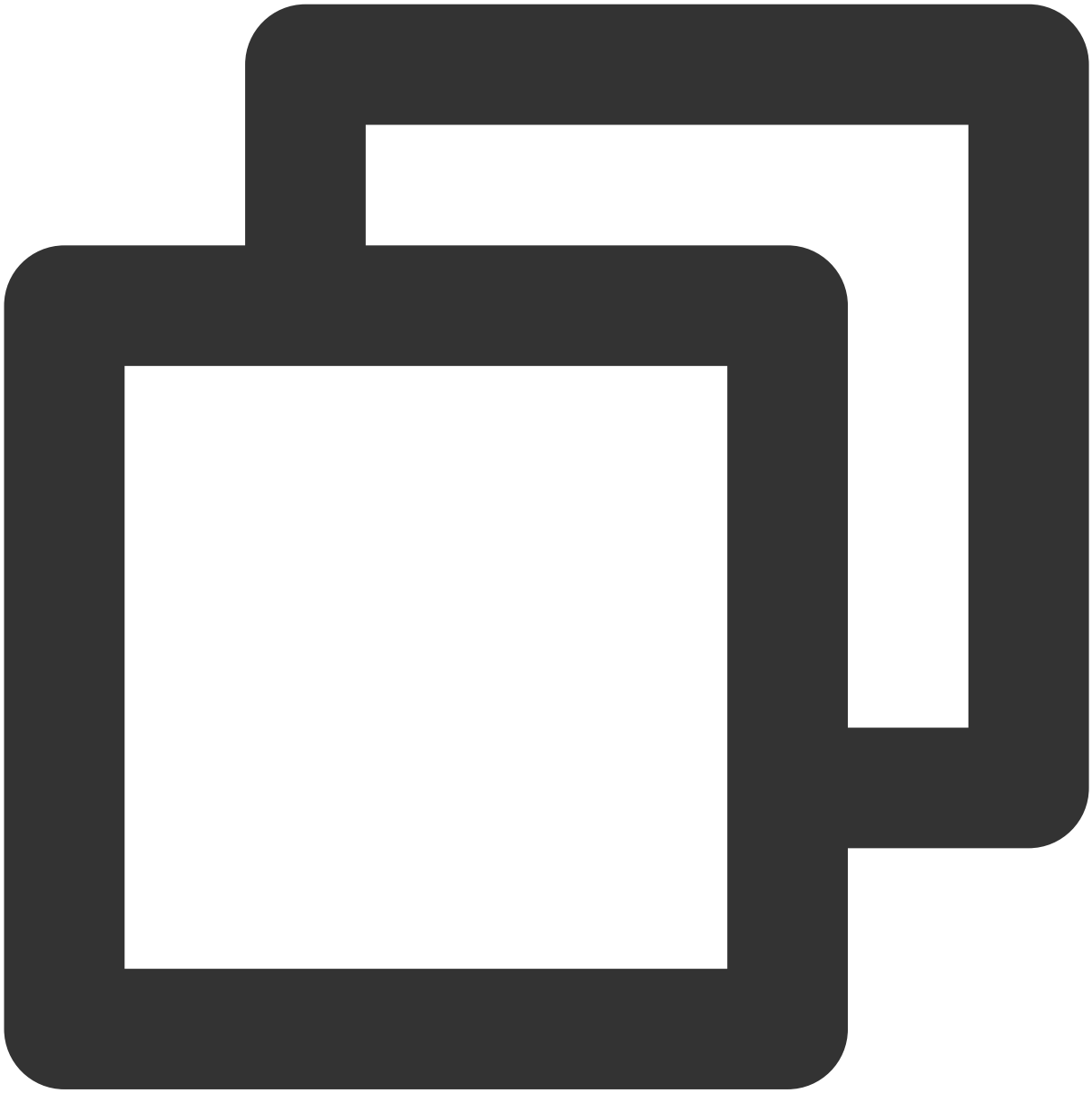
Feature Description

This API is used to submit an SDR-to-HDR job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

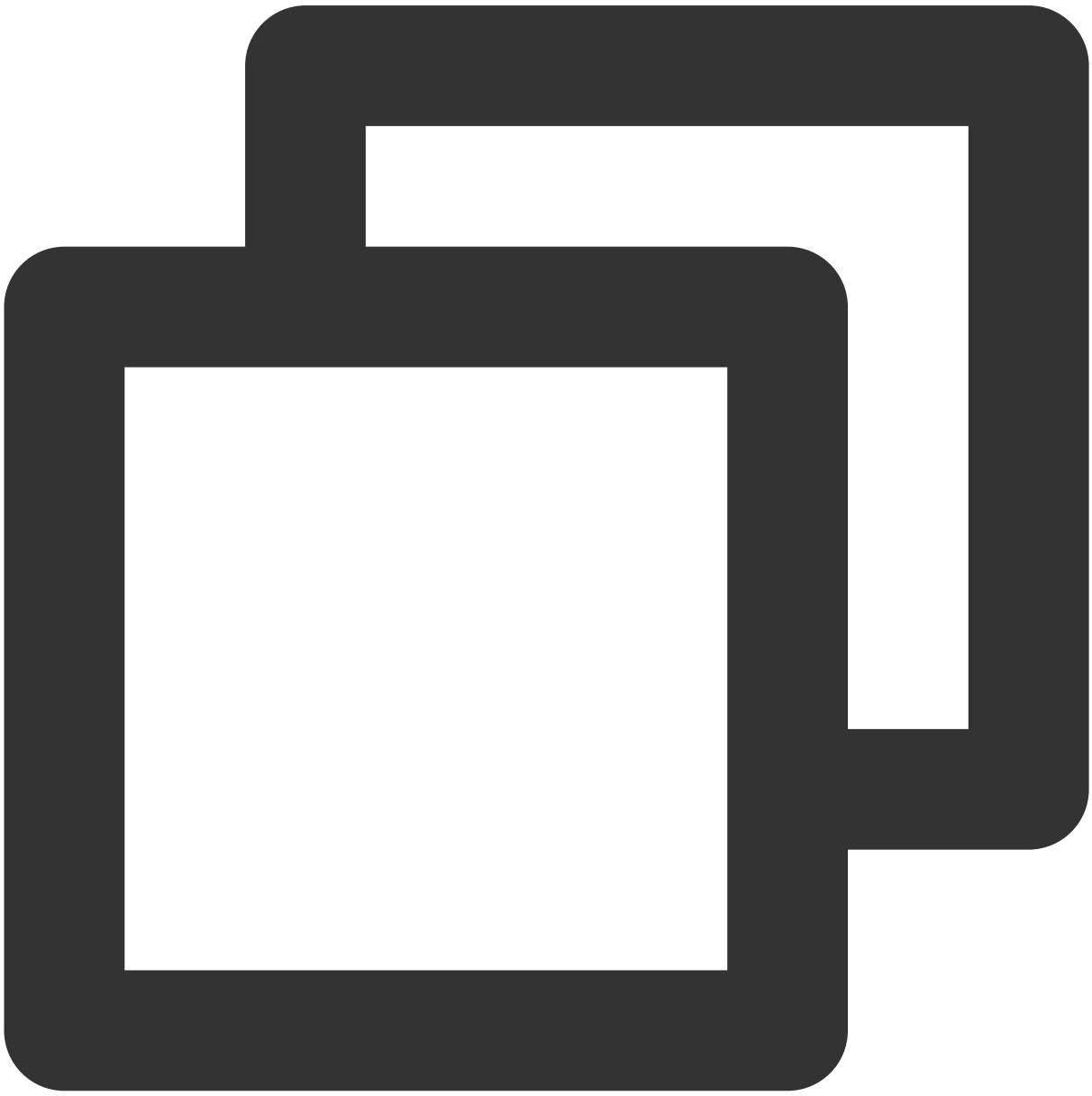
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SDRtoHDR</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <SDRtoHDR>
            <HdrMode>HLG</HdrMode>
        </SDRtoHDR>
        <TranscodeTemplateId>t160606b9752148c4absdfaf2f55163b1f</TranscodeTemplateI
        <WatermarkTemplateId>t146d70eb241c44c63b6efc1cc93ccfc5d</WatermarkTemplateI
        <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTemplateI
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: SDRtoHDR	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No

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CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
SDRtoHDR	Request.Operation	SDR-to-HDR parameter	Container	Yes
Transcode	Request.Operation	Transcoding template parameter. This node and `TranscodeTemplateId` cannot be empty at the same time.	Container	No
TranscodeTemplateId	Request.Operation	Transcoding template ID. This node and `Transcode` cannot be empty at the same time. Use this node first.	String	No
Watermark	Request.Operation	Watermark template parameter. Same as `Request.Watermark` in the watermark template creation API CreateMediaTemplate. Up to three watermarks can be passed in.	Container array	No

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WatermarkTemplateId	Request.Operation	Watermark template ID. Up to three watermark template IDs can be passed in. If `Watermark` and `WatermarkTemplateId` exist at the same time, use `WatermarkTemplateId` first.	String array	No
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` , `1` , `2` . Default value: `0` .	String	No

Note:

To submit an SDR-to-HDR job, you must pass in the transcoding parameter. For the transcoding parameter, `TranscodeTemplateId` is used first, and if `TranscodeTemplateId` is unavailable, `Transcode` is used. For the watermark parameter, `WatermarkTemplateId` or `Watermark` can be used for configuration, and `WatermarkTemplateId` is used first.

`SDRtoHDR` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
HdrMode	Request.Operation.SDRtoHDR	HDR mode	String	Yes	1. HLG 2. HDR10

`Transcode` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TimeInterval	Request.Operation.Transcode	Same as Request.TimeInterval in the transcoding template creation API CreateMediaTemplate.	Container	No
Container	Request.Operation.Transcode	Same as Request.Container in the transcoding template creation API CreateMediaTemplate.	Container	No

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Video	Request.Operation.Transcode	Same as Request.Video in the transcoding template creation API CreateMediaTemplate.	Container	No
Audio	Request.Operation.Transcode	Same as Request.Audio in the transcoding template creation API CreateMediaTemplate.	Container	No
TransConfig	Request.Operation.Transcode	Same as Request.TransConfig in the transcoding template creation API CreateMediaTemplate.	Container	No
AudioMix	Request.Operation.Transcode	Audio mix parameter as described in Structure.	Container array	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

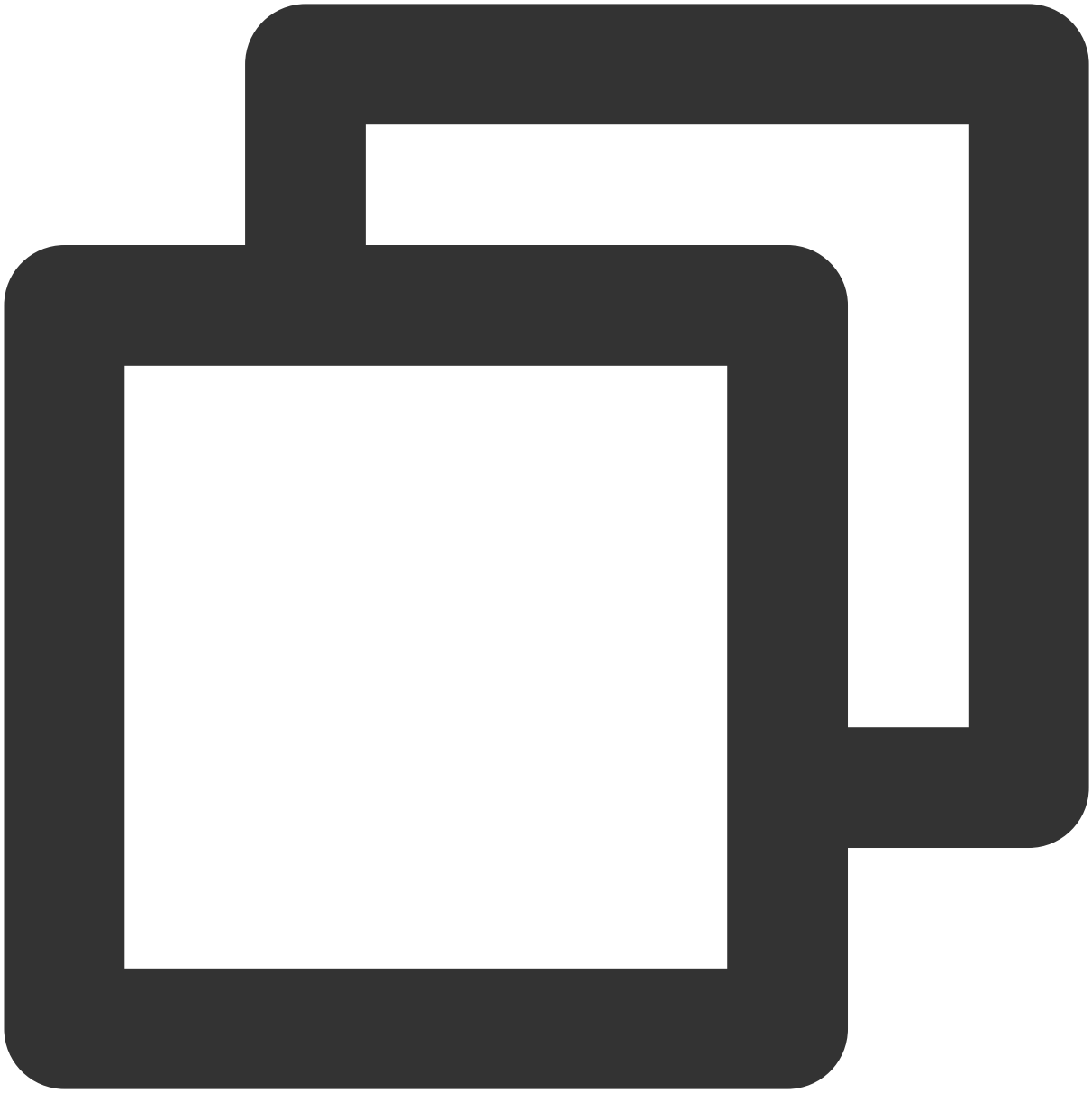
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>SDRtoHDR</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TranscodeTemplateId>t1460606b9752148c4ab182f55163ba7cd</TranscodeTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <SDRtoHDR>
                <HdrMode>HDR10</HdrMode>
            </SDRtoHDR>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String

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JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: SDRtoHDR	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
SDRtoHDR	Response.JobsDetail.Operation	Same as `Request.Operation.SDRtoHDR` in the request.	Container
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.	Container

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MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

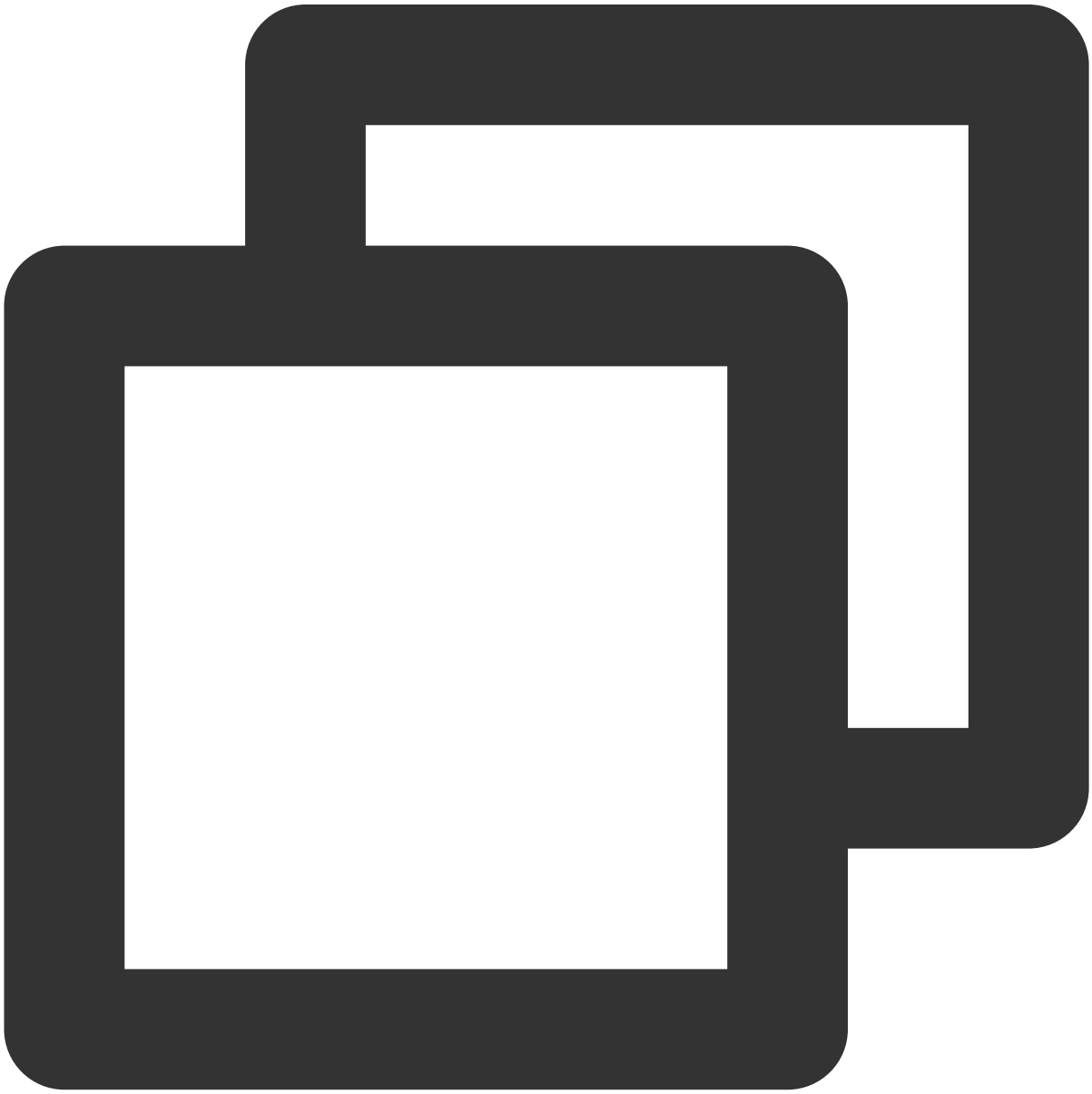
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
```

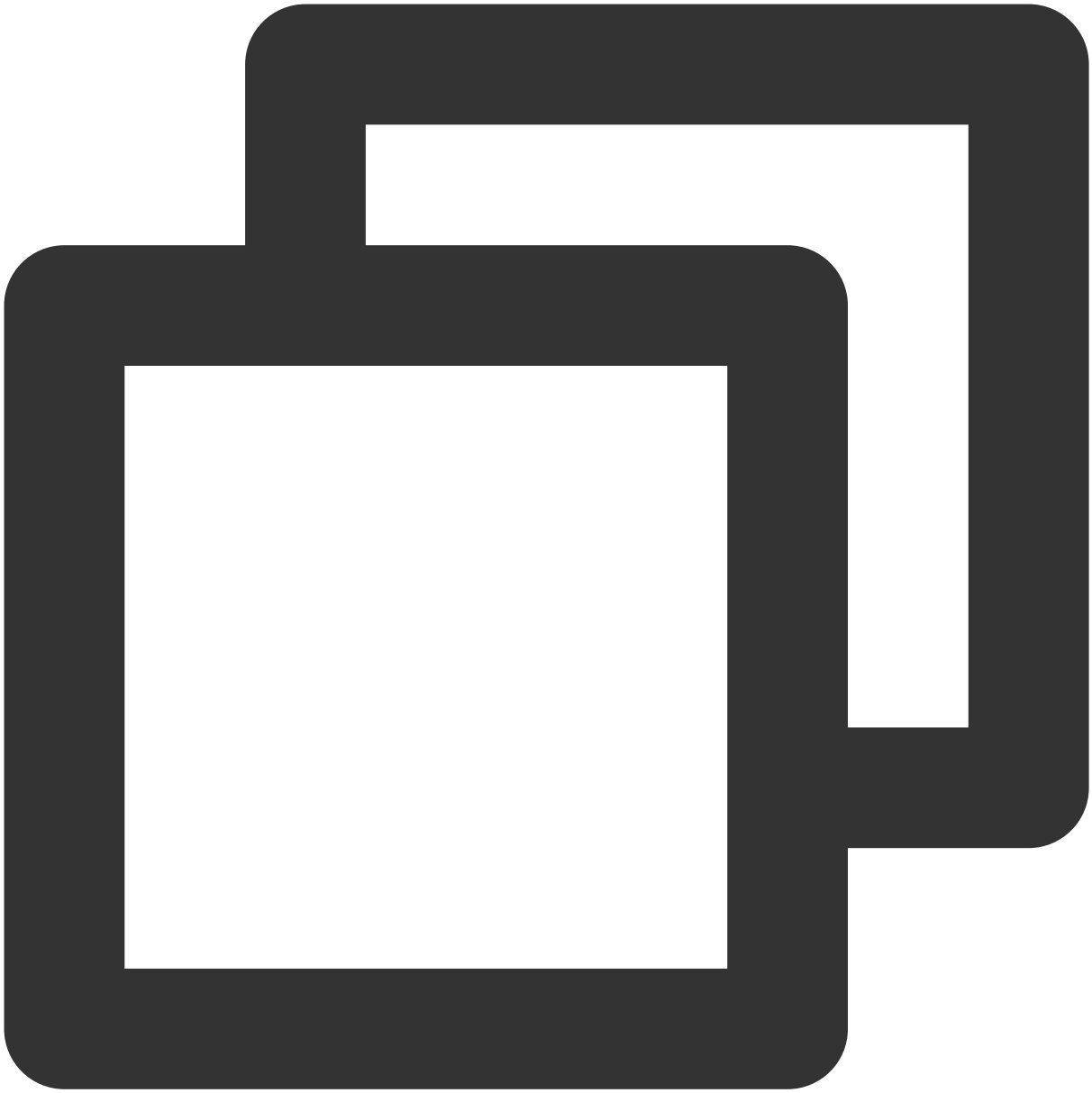
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```
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>SDRtoHDR</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <SDRtoHDR>
            <HdrMode>HLG</HdrMode>
        </SDRtoHDR>
        <TranscodeTemplateId>t160606b9752148c4absdfaf2f55163b1f</TranscodeTemplateI
        <WatermarkTemplateId>t146d70eb241c44c63b6efc1cc93ccfc5d</WatermarkTemplateI
        <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTemplateI
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j229ed9e2f60c11ec8525e36307395bf9</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>SDRtoHDR</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TranscodeTemplateId>t1460606b9752148c4ab182f55163ba7cd</TranscodeTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <SDRtoHDR>
                <HdrMode>HDR10</HdrMode>
            </SDRtoHDR>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Remuxing Job

Last updated：2024-02-27 15:42:23

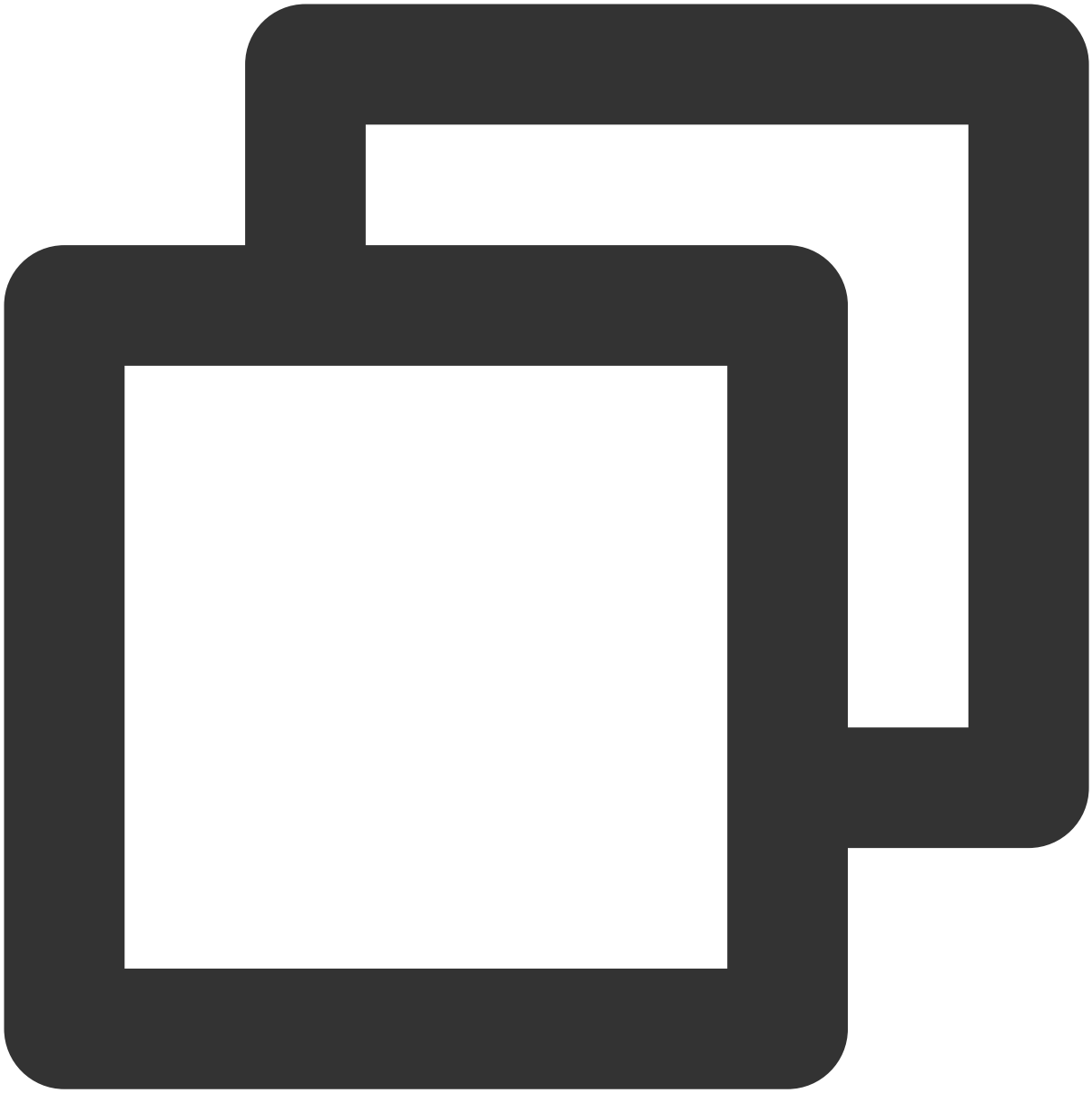
Feature Description

This API is used to submit a remuxing job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

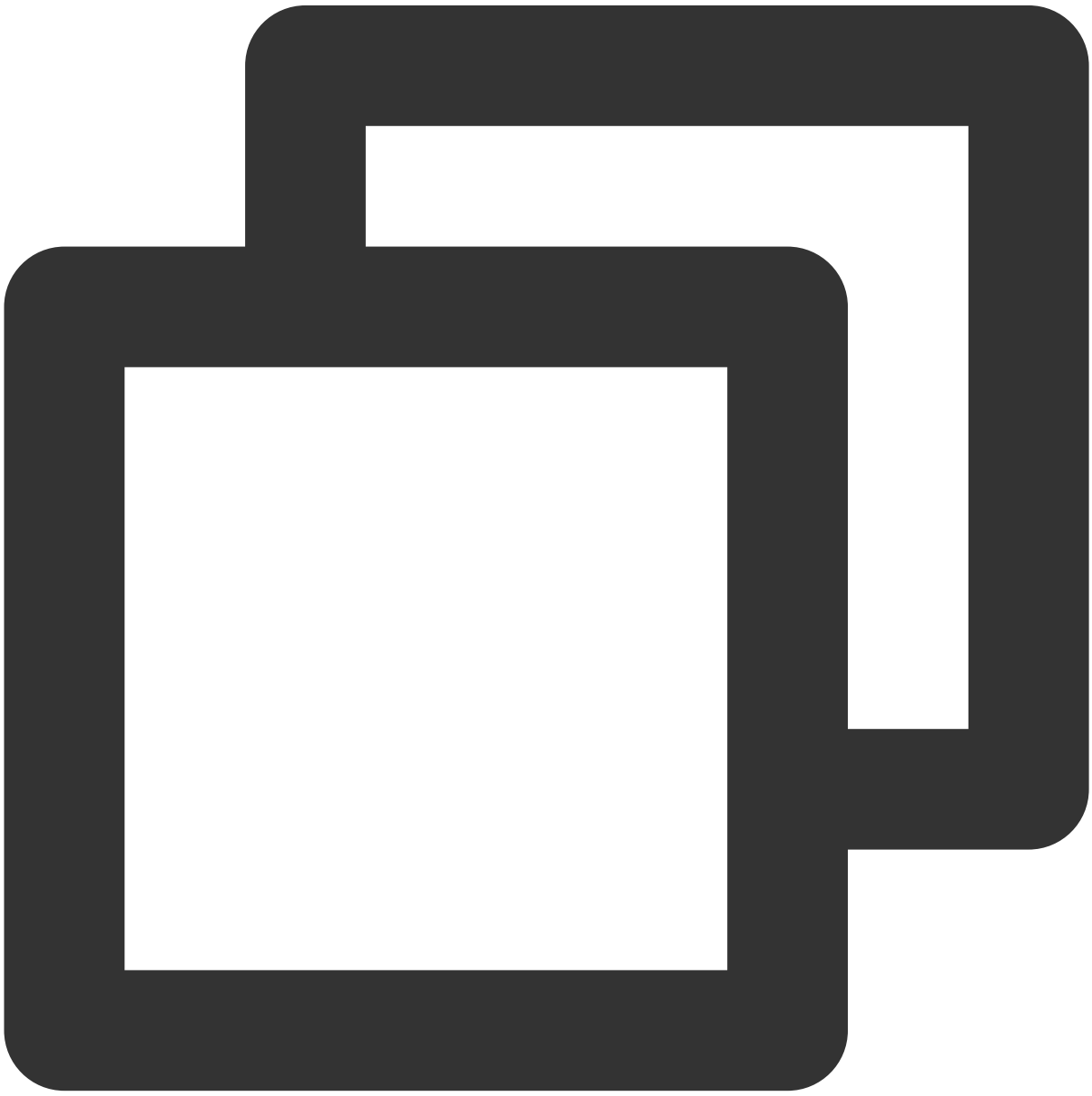
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Segment</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <Segment>
            <Format>hls</Format>
            <Duration>5</Duration>
            <HlsEncrypt>
                <IsHlsEncrypt>true</IsHlsEncrypt>
                <UriKey>test-key</UriKey>
            </HlsEncrypt>
        </Segment>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out-${Number}</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: Segment	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or	String	No

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		`XML` (default value). It has a higher priority than that of the queue.		
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Segment	Request.Operation	Remuxing parameter	Container	Yes
Output	Request.Operation	Result output address	Container	Yes
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

`Segment` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Ty
Format	Request.Operation.Segment	Container format	Str

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Duration	Request.Operation.Segment	Remuxing duration in seconds	Str
TranscodeIndex	Request.Operation.Segment	The stream number to be processed, which corresponds to `Response.MediaInfo.Stream.Video.Index` and `Response.MediaInfo.Stream.Audio.Index` in the media information. For more information, see Getting Media File Information.	Str
HlsEncrypt	Request.Operation.Segment	HLS encryption configuration	Co

`HlsEncrypt` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	C
IsHlsEncrypt	Request.Operation.Segment.HlsEncrypt	Whether to enable HLS encryption	String	No	false	1. tr 2. su w S H
UriKey	Request.Operation.Segment.HlsEncrypt	HLS encryption key	String	No	None	T va is

`Output` has the following sub-nodes:

Node Name	Parent Node	Description	Type	Required

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(Keyword)				
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename. If `Duration` is configured and `Format` is not HLS or m3u8, the `${Number}` parameter must be included in the filename and used as the output sequence number of each audio/video segment after custom remuxing.	String	Yes

Response

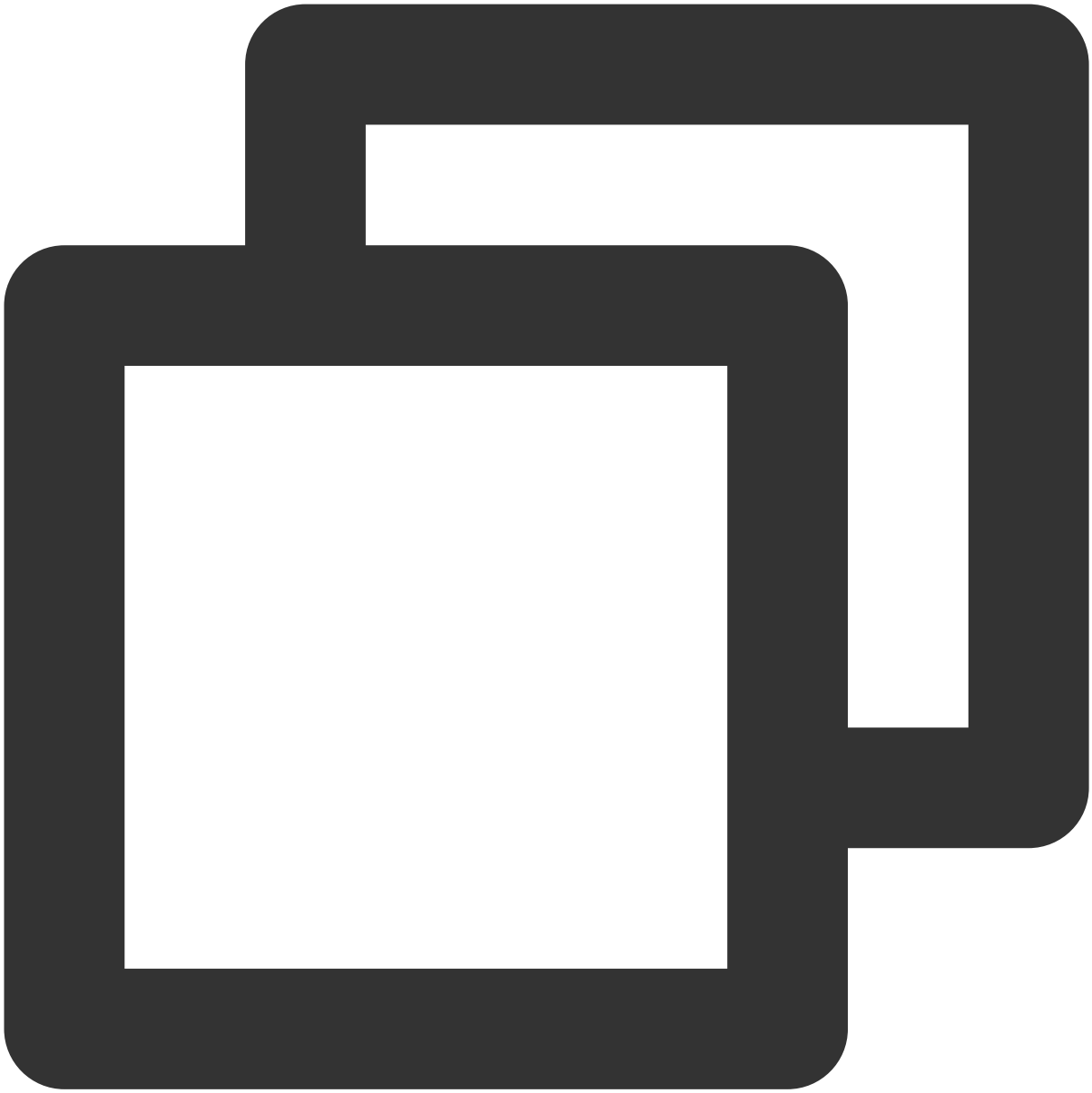
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Segment</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Segment>
                <Format>hls</Format>
                <Duration>5</Duration>
                <HlsEncrypt>
                    <IsHlsEncrypt>true</IsHlsEncrypt>
                    <UriKey>test-key</UriKey>
                </HlsEncrypt>
            </Segment>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out-${Number}</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <CallBack>http://callback.demo.com</CallBack>
        <CallBackFormat>JSON<CallBackFormat>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String

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Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: Segment	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Segment	Response.JobsDetail.Operation	Same as `Request.Operation.Segment` in the request.	Container
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
MediaInfo	Response.JobsDetail.Operation	Transcoding output video information. This	Container

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		node will not be returned when there is no output video.	
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

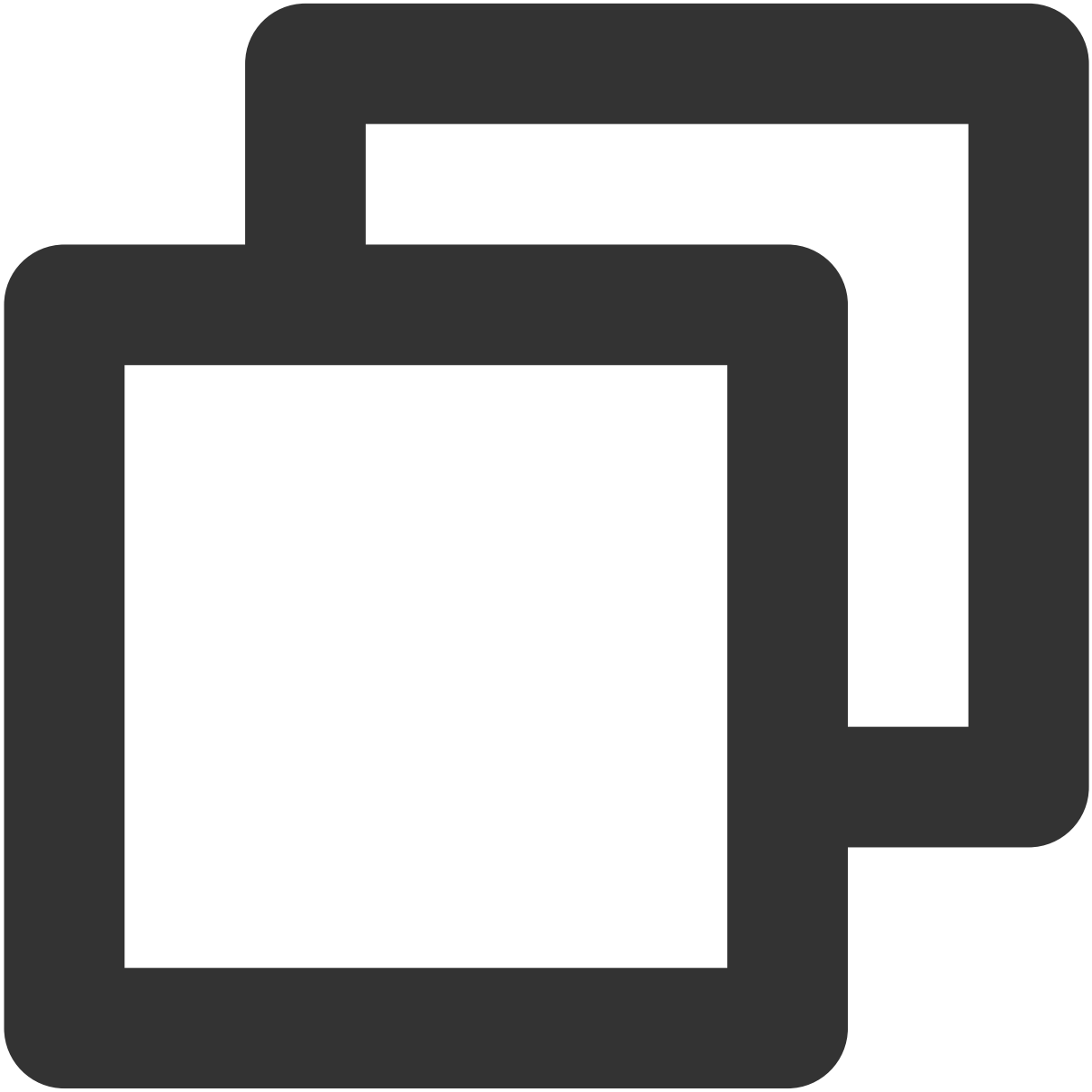
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Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1. MP4 remuxing



```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
```

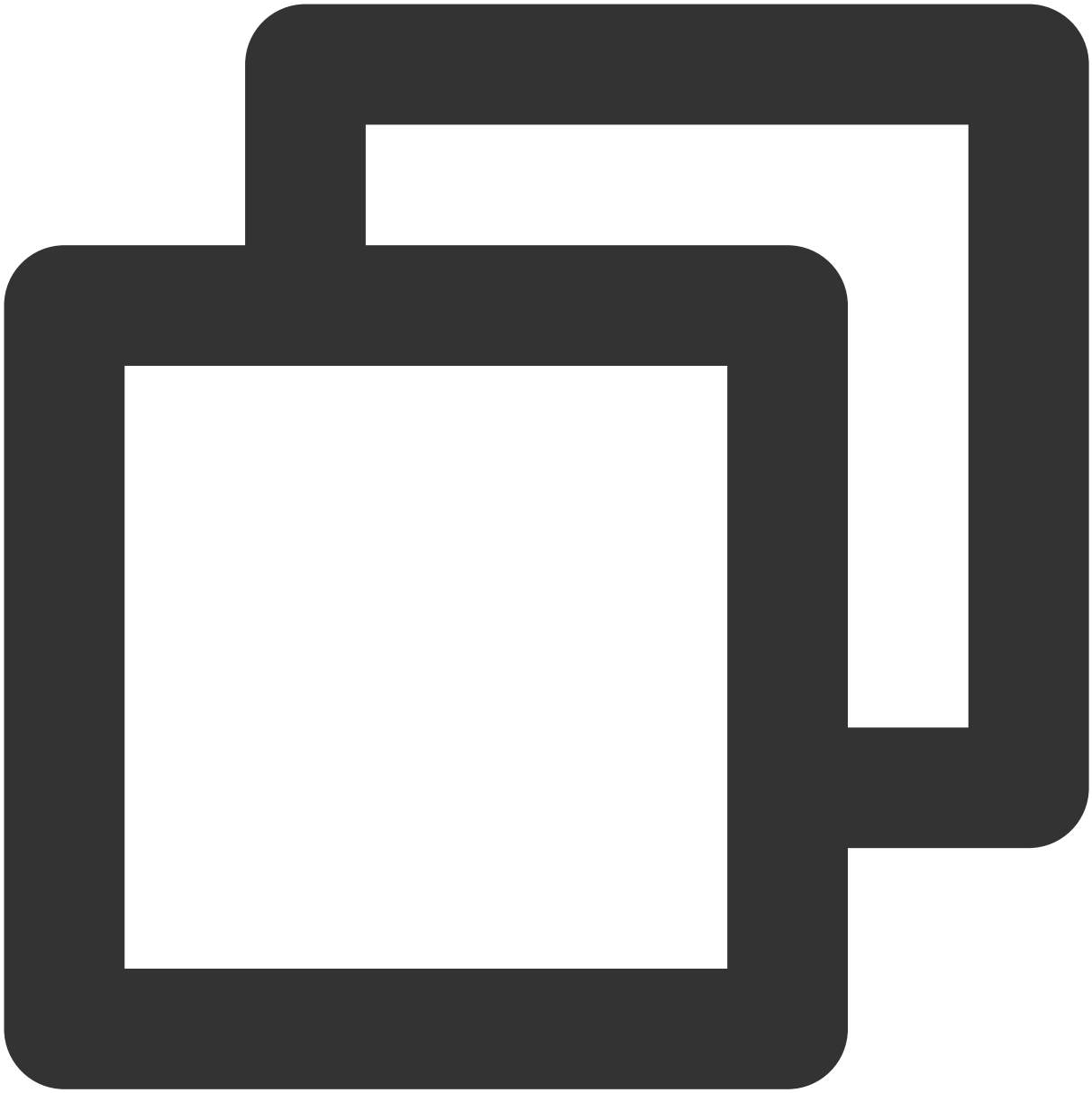
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```
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>Segment</Tag>
    <Input>
        <Object>input/demo.mkv</Object>
    </Input>
    <Operation>
        <Segment>
            <Format>mp4</Format>
            <Duration>15</Duration>
        </Segment>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out-${Number}</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response 1

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

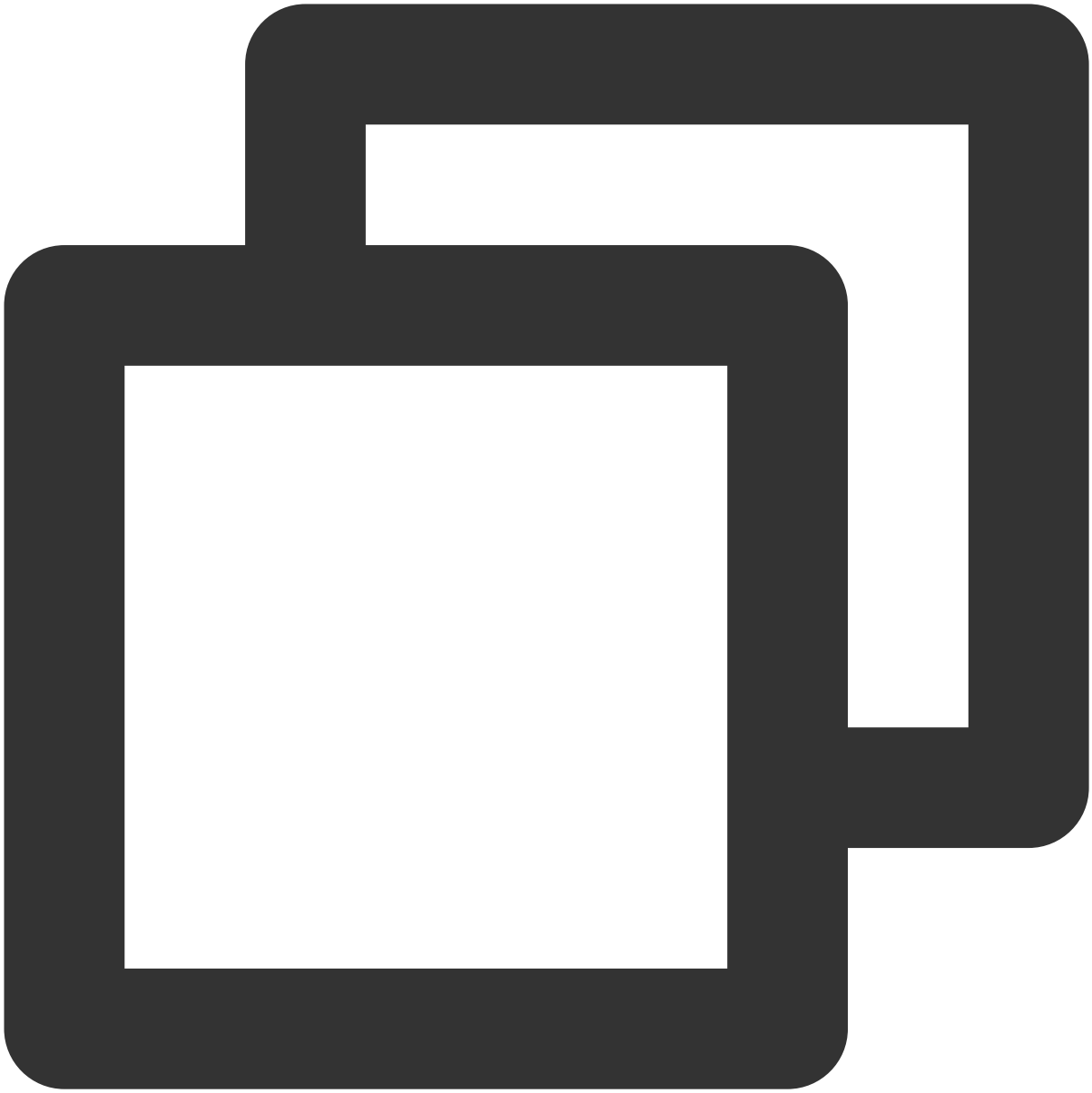
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Segment</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mkv</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Segment>
                <Format>mp4</Format>
                <Duration>15</Duration>
            </Segment>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out-${Number}</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <CallBack>http://callback.demo.com</CallBack>
        <CallBackFormat>JSON<CallBackFormat>
    </JobsDetail>
</Response>
```

Request 2. HLS remuxing and encryption

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```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

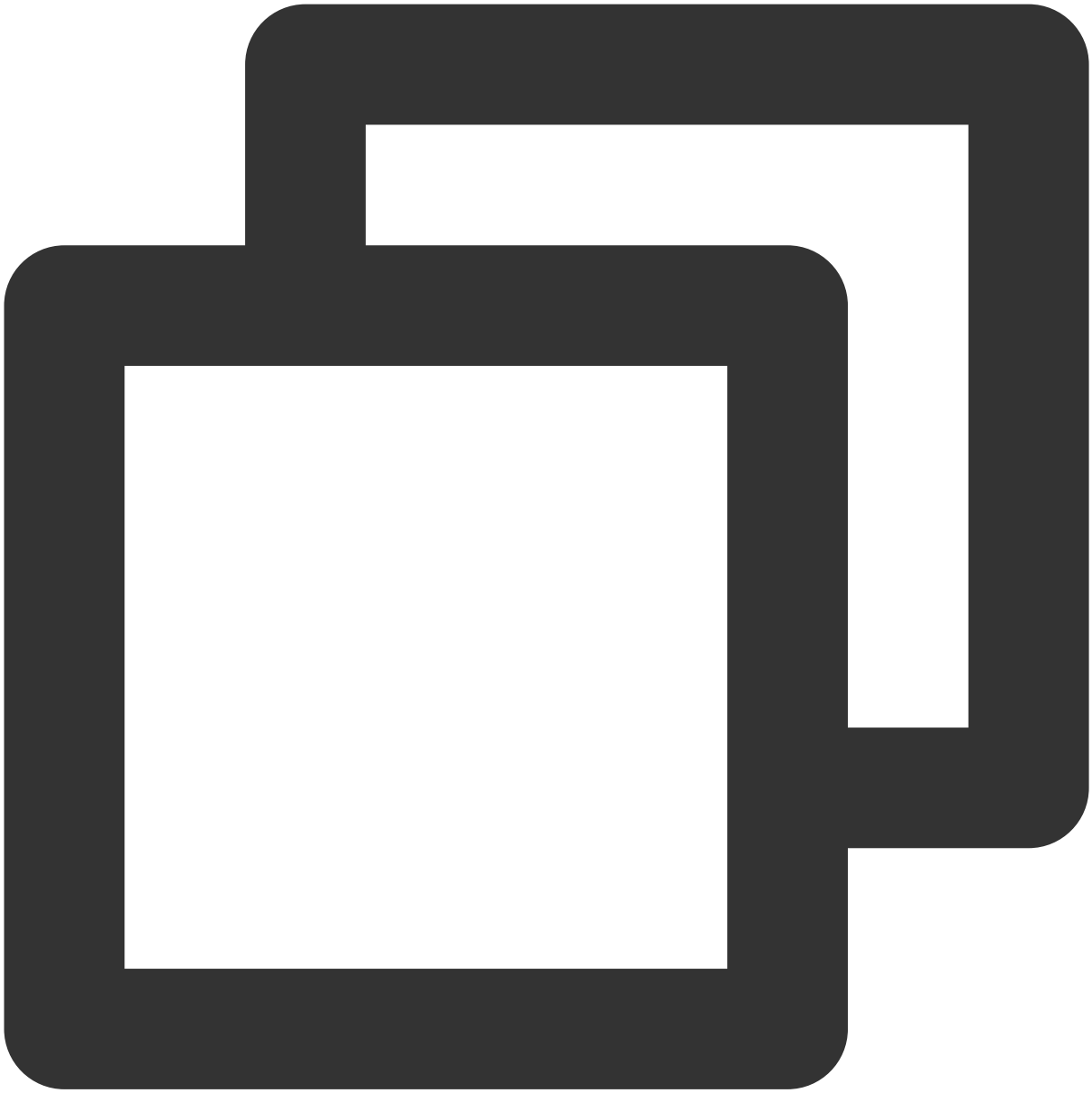
<Request>
    <Tag>Segment</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <Segment>
            <Format>hls</Format>
            <Duration>5</Duration>
            <HlsEncrypt>
                <IsHlsEncrypt>true</IsHlsEncrypt>
                <UriKey>test-key</UriKey>
            </HlsEncrypt>
        </Segment>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out-${Number}</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response 2

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Segment</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Segment>
                <Format>hls</Format>
                <Duration>5</Duration>
                <HlsEncrypt>
                    <IsHlsEncrypt>true</IsHlsEncrypt>
                    <UriKey>test-key</UriKey>
                </HlsEncrypt>
            </Segment>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <CallBack>http://callback.demo.com</CallBack>
        <CallBackFormat>JSON<CallBackFormat>
    </JobsDetail>
</Response>
```

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Submitting Intelligent Thumbnail Job

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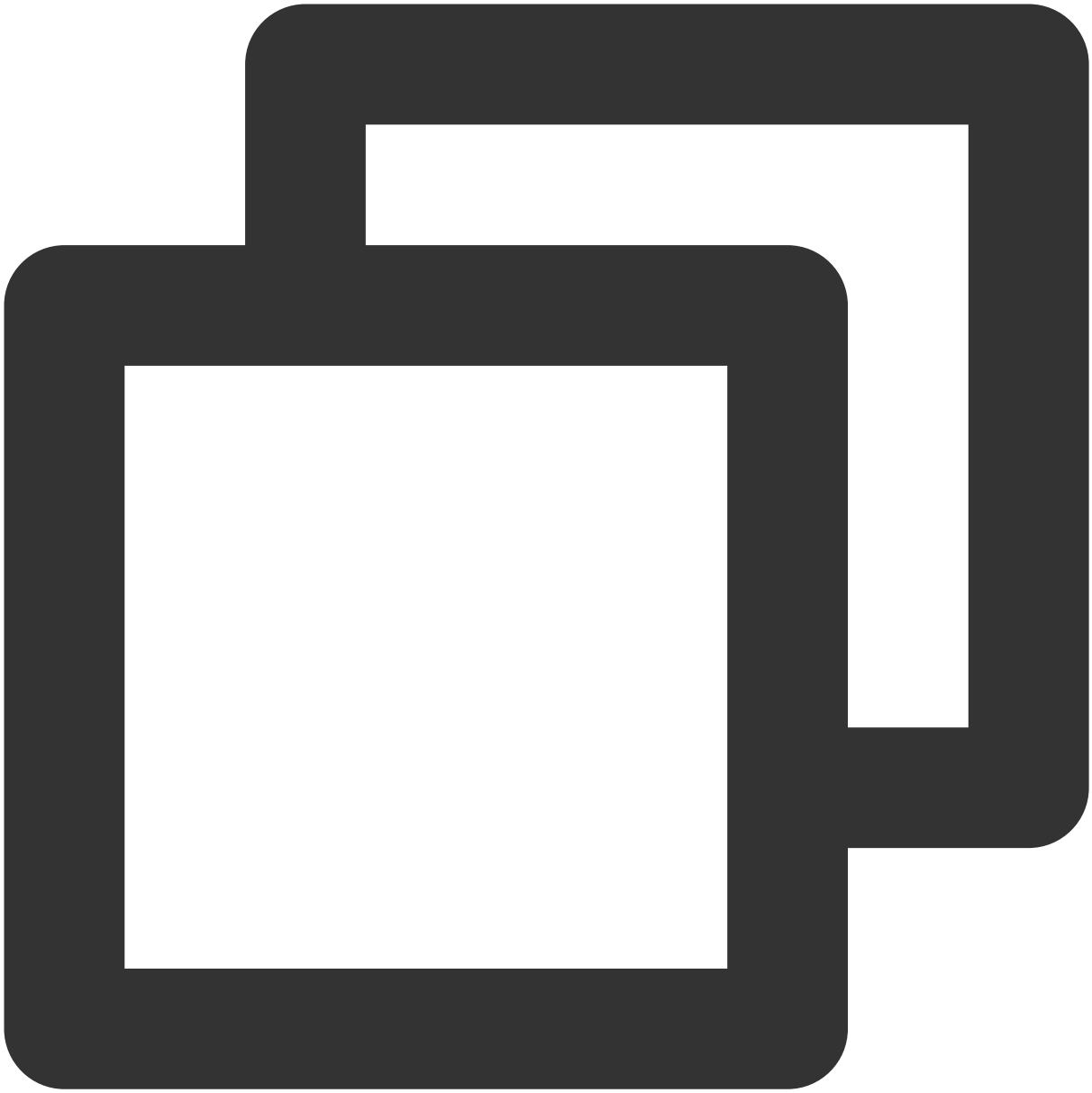
Feature Description

This API is used to submit an intelligent thumbnail job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

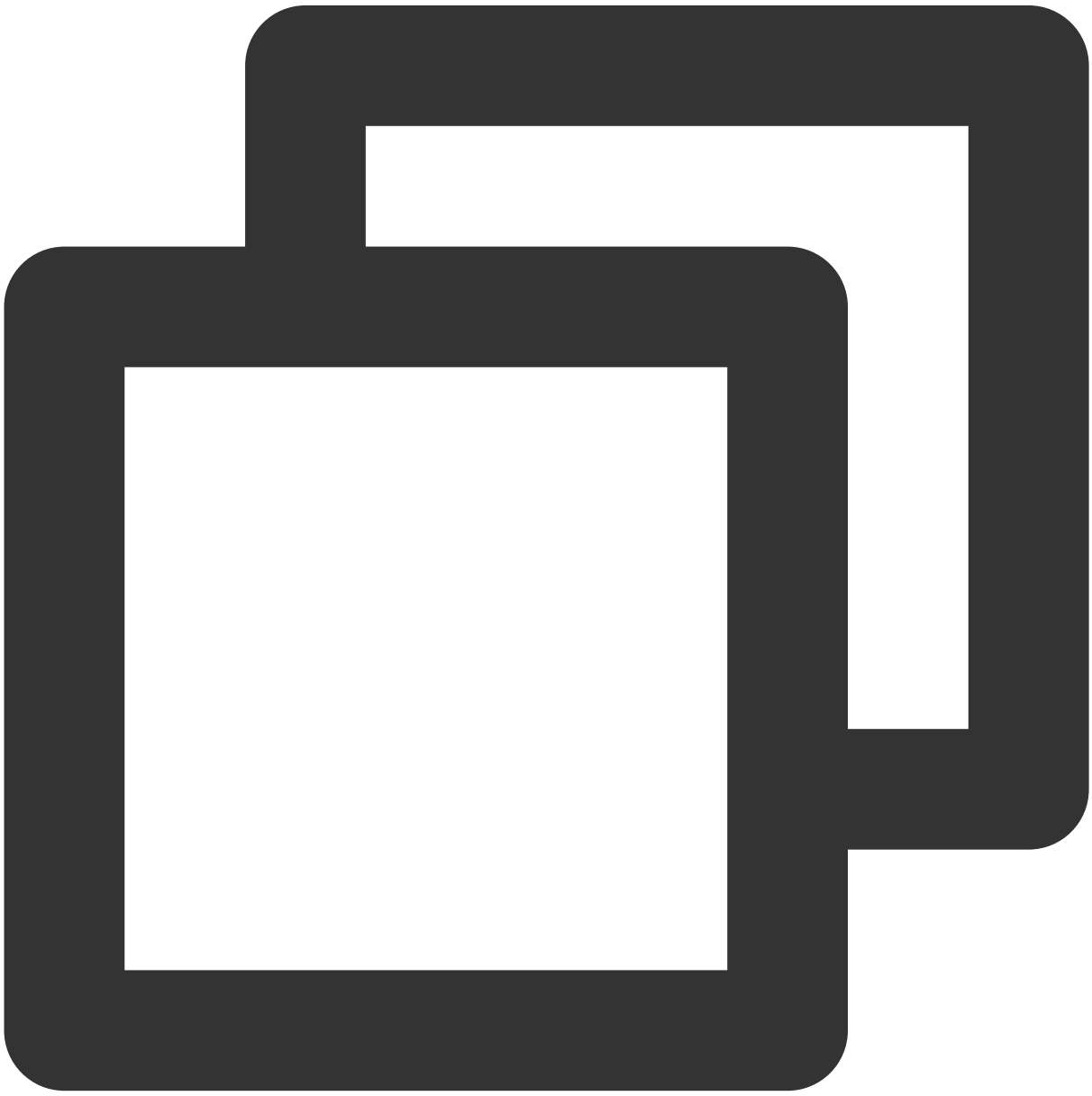
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SmartCover</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t16567cd58ade9411d952283873123b9b1</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/smartcover-${Number}.jpg</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: SmartCover	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TemplateId	Request.Operation	Intelligent thumbnail template ID	String	No
SmartCover	Request.Operation	Thumbnail configuration	Container	No
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

Note:

If both `TemplateId` and `SmartCover` are set, `TemplateId` will be used first.

`SmartCover` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Const
Format	Request.Operation.SmartCover	Thumbnail image type.	String	Yes	None	png, j webp
Width	Request.Operation.SmartCover	Thumbnail	String	Yes	None	1. Val

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		image width				range [128, 2. Un
Height	Request.Operation.SmartCover	Thumbnail image height	String	Yes	None	1. Val range [128, 2. Un
Count	Request.Operation.SmartCover	Number of thumbnails.	String	No	3	1. Val range 10]
DeleteDuplicates	Request.Operation.SmartCover	Whether to deduplicate thumbnails.	String	No	false	true/f

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Result filename. **${Number} must be included in the filename.** For example, if `Object` is `my-new-cover-${Number}.jpg`, and there are three result files, the output result filenames are as follows: my-new-cover-0.jpg my-new-cover-1.jpg my-new-cover-2.jpg	String	Yes

Response

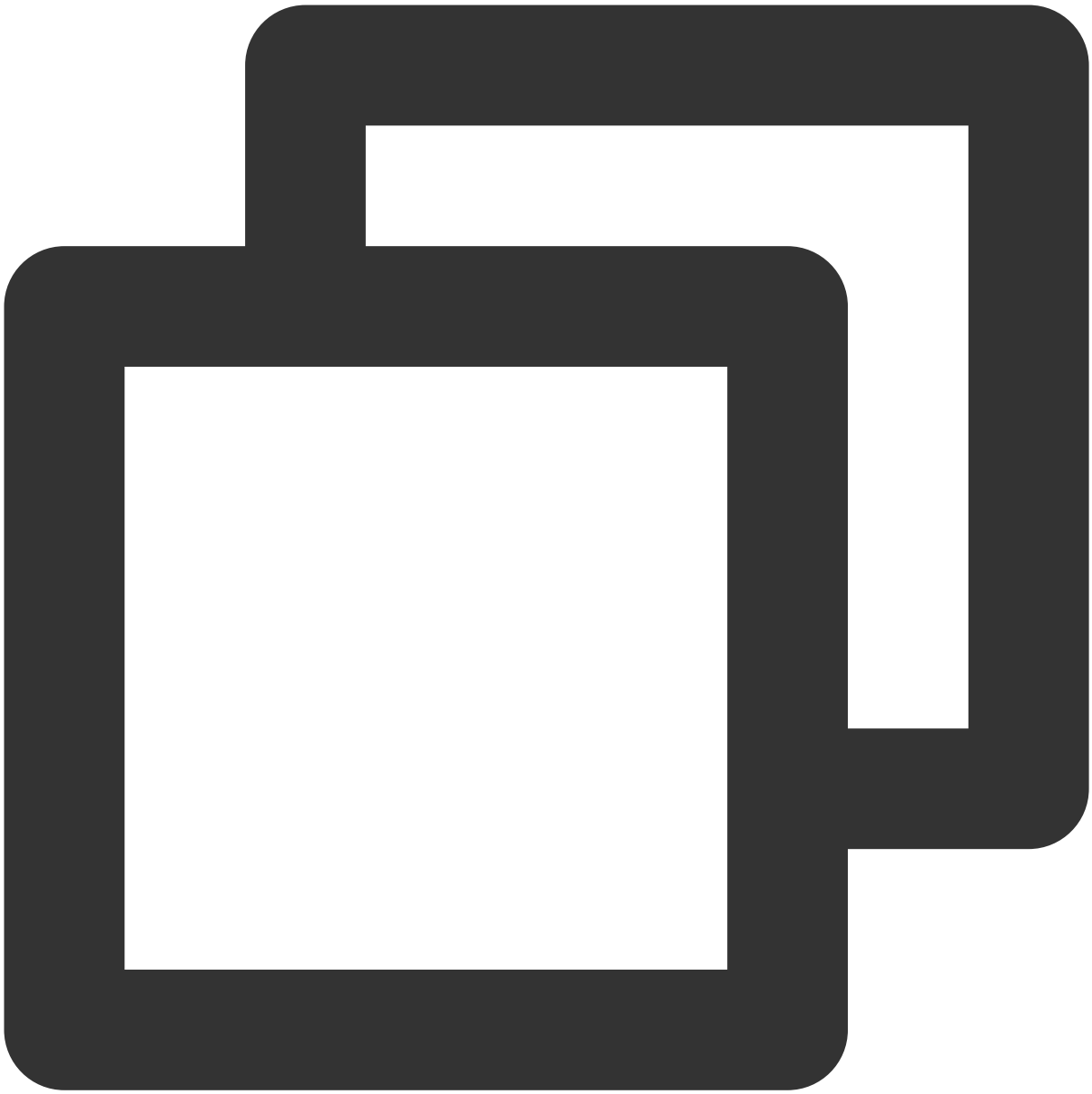
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

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The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
```

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```
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>SmartCover</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t16567cd58ade9411d952283873123b9b1</TemplateId>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/smartcover-${Number}.jpg</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: SmartCover	String

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State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
SmartCover	Response.JobsDetail.Operation	Same as `Request.Operation.SmartCover` in the request.	String
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array

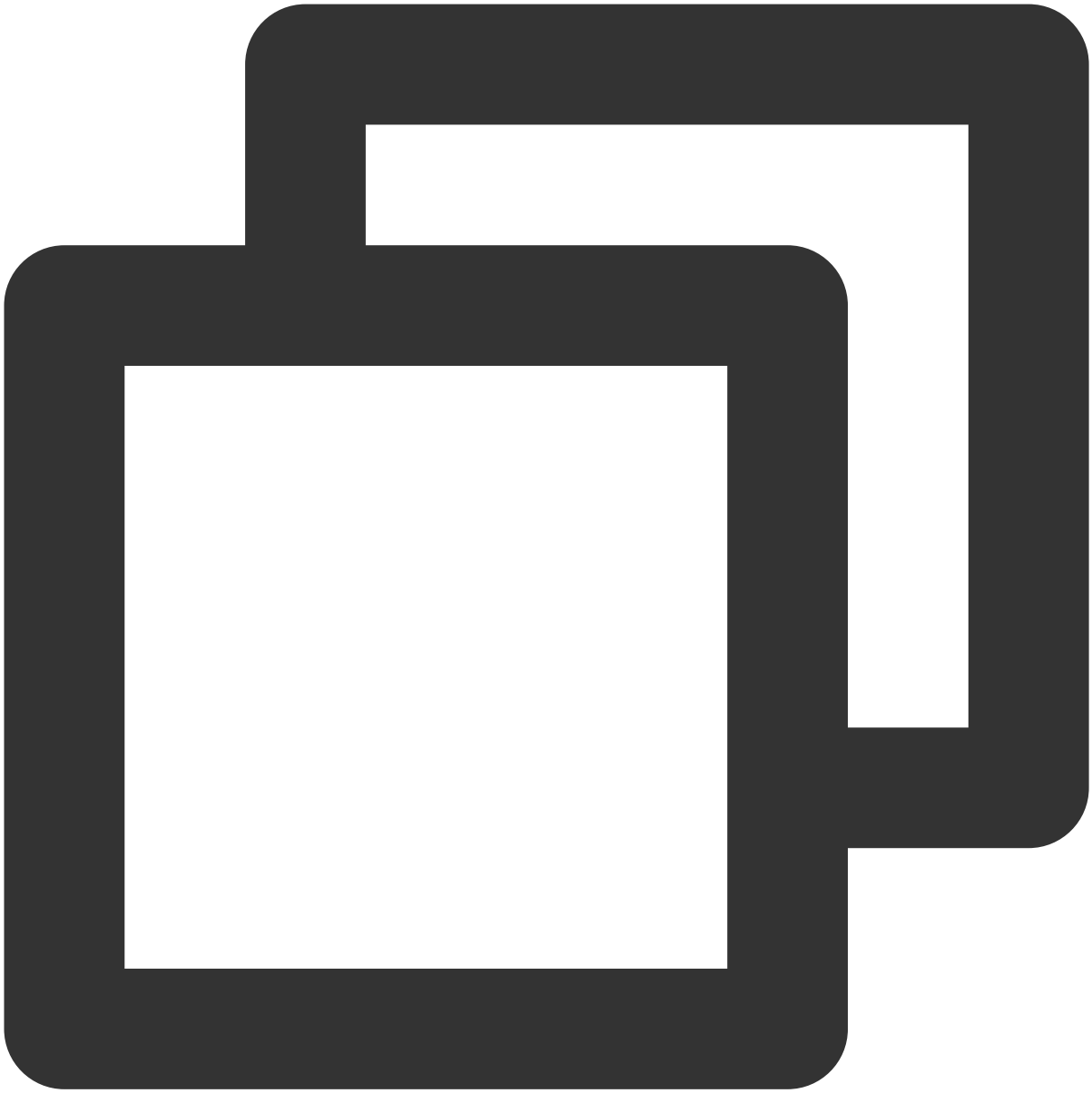
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1. Using the intelligent thumbnail template ID

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

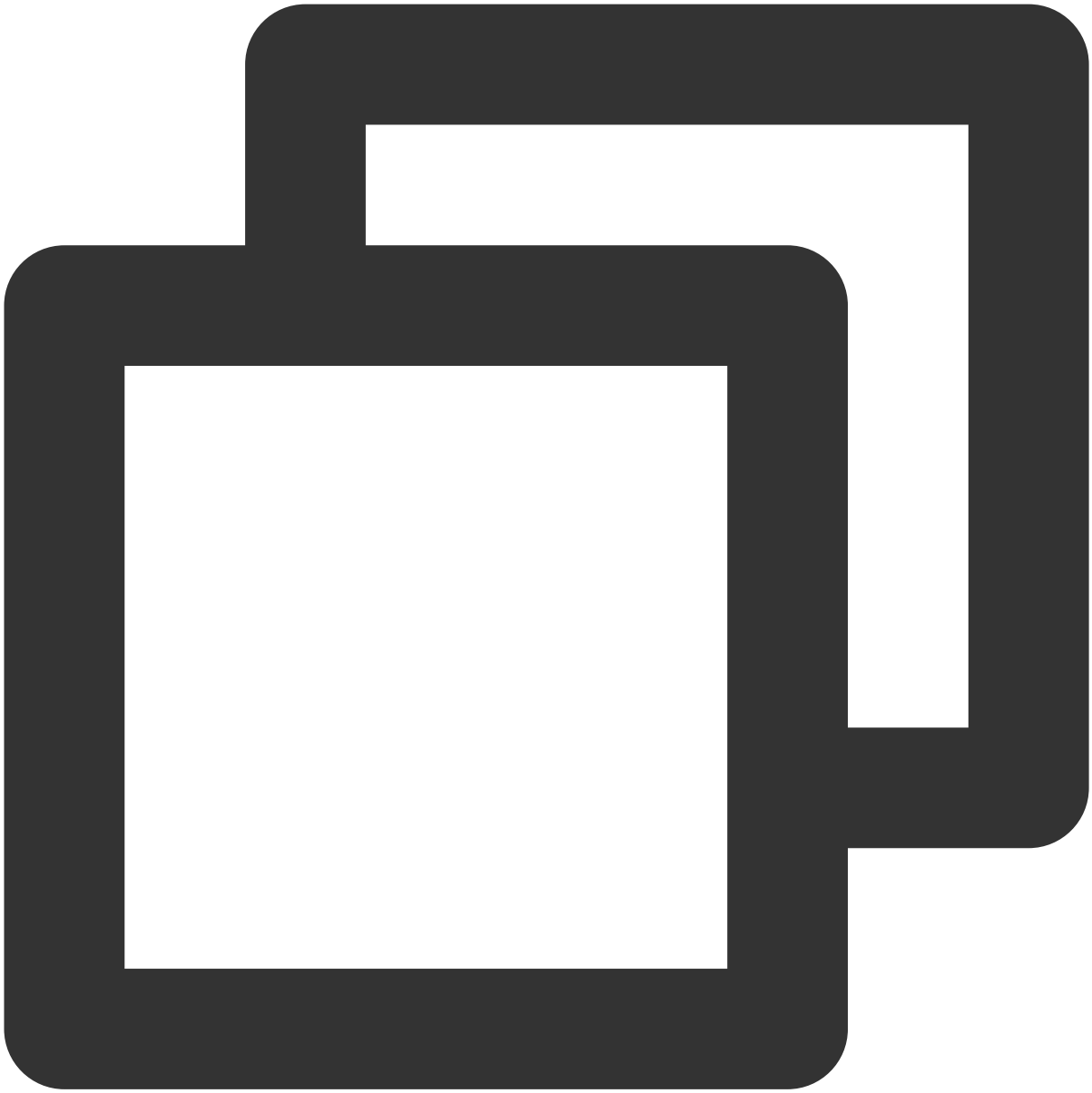
<Request>
    <Tag>SmartCover</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <TemplateId>t16567cd58ade9411d952283873123b9b1</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/smartcover-${Number}.jpg</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

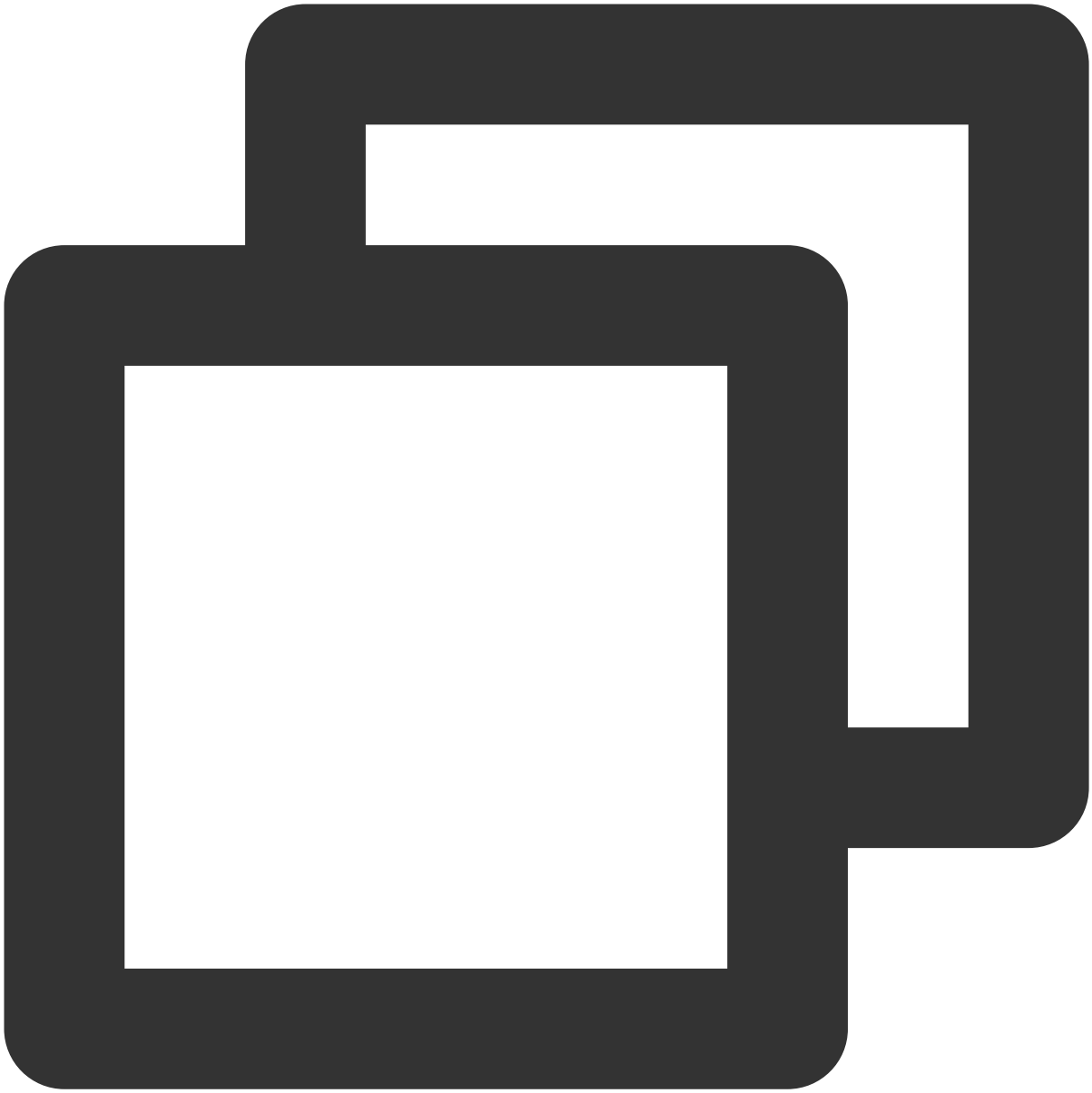
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>SmartCover</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t16567cd58ade9411d952283873123b9b1</TemplateId>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/smartcover-${Number}.jpg</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2. Using the intelligent thumbnail parameter

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

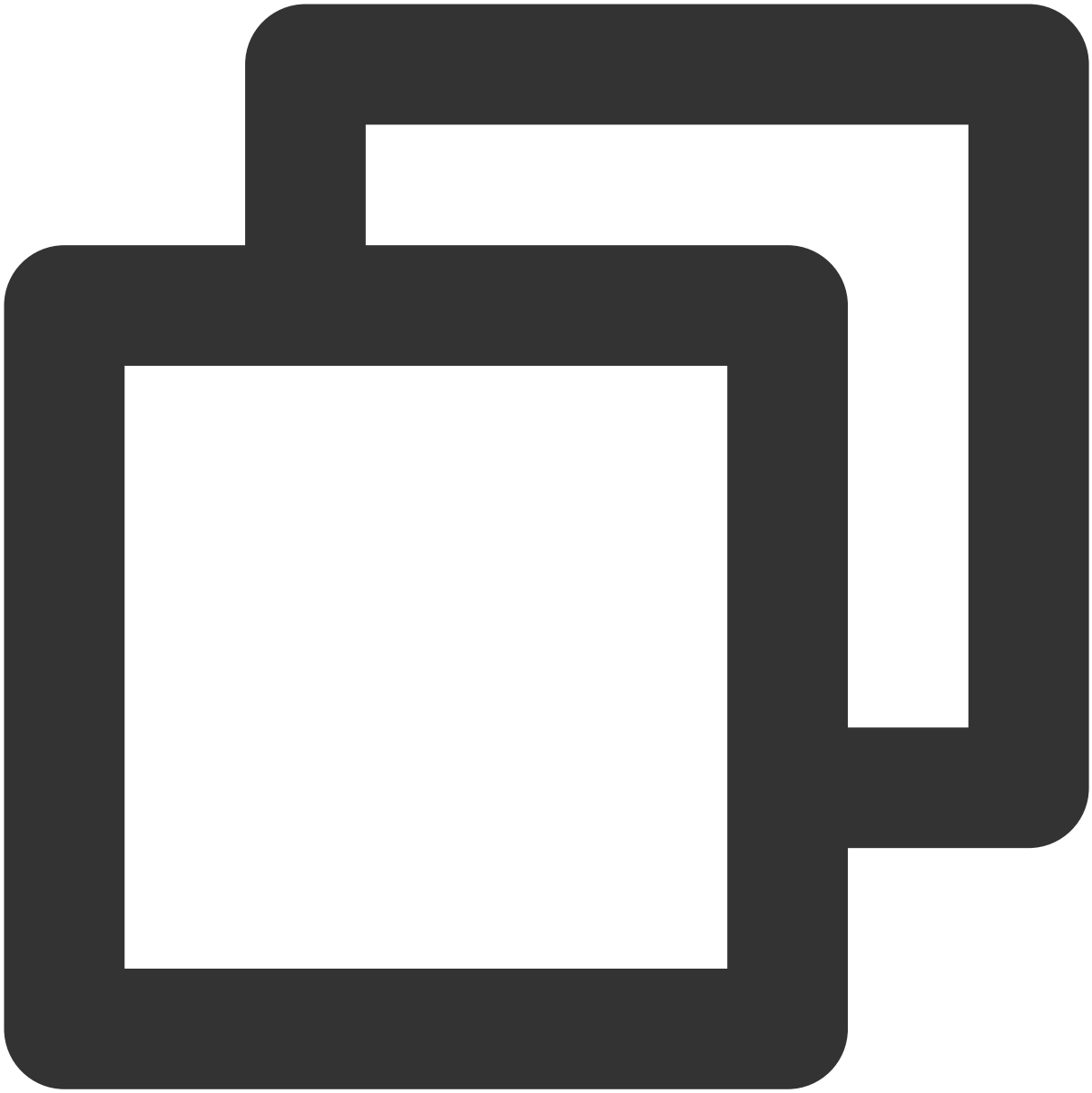
<Request>
    <Tag>SmartCover</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <SmartCover>
            <Format>jpg</Format>
            <Width>1280</Width>
            <Height>960</Height>
            <Count>5</Count>
            <DeleteDuplicates>true</DeleteDuplicates>
        </SmartCover>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/smartcover-${Number}.jpg</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>SmartCover</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <SmartCover>
                <Format>jpg</Format>
                <Width>1280</Width>
                <Height>960</Height>
                <Count>5</Count>
                <DeleteDuplicates>true</DeleteDuplicates>
            </SmartCover>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/smartcover-${Number}.jpg</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Video Frame Capturing Job

Last updated：2024-02-27 15:42:23

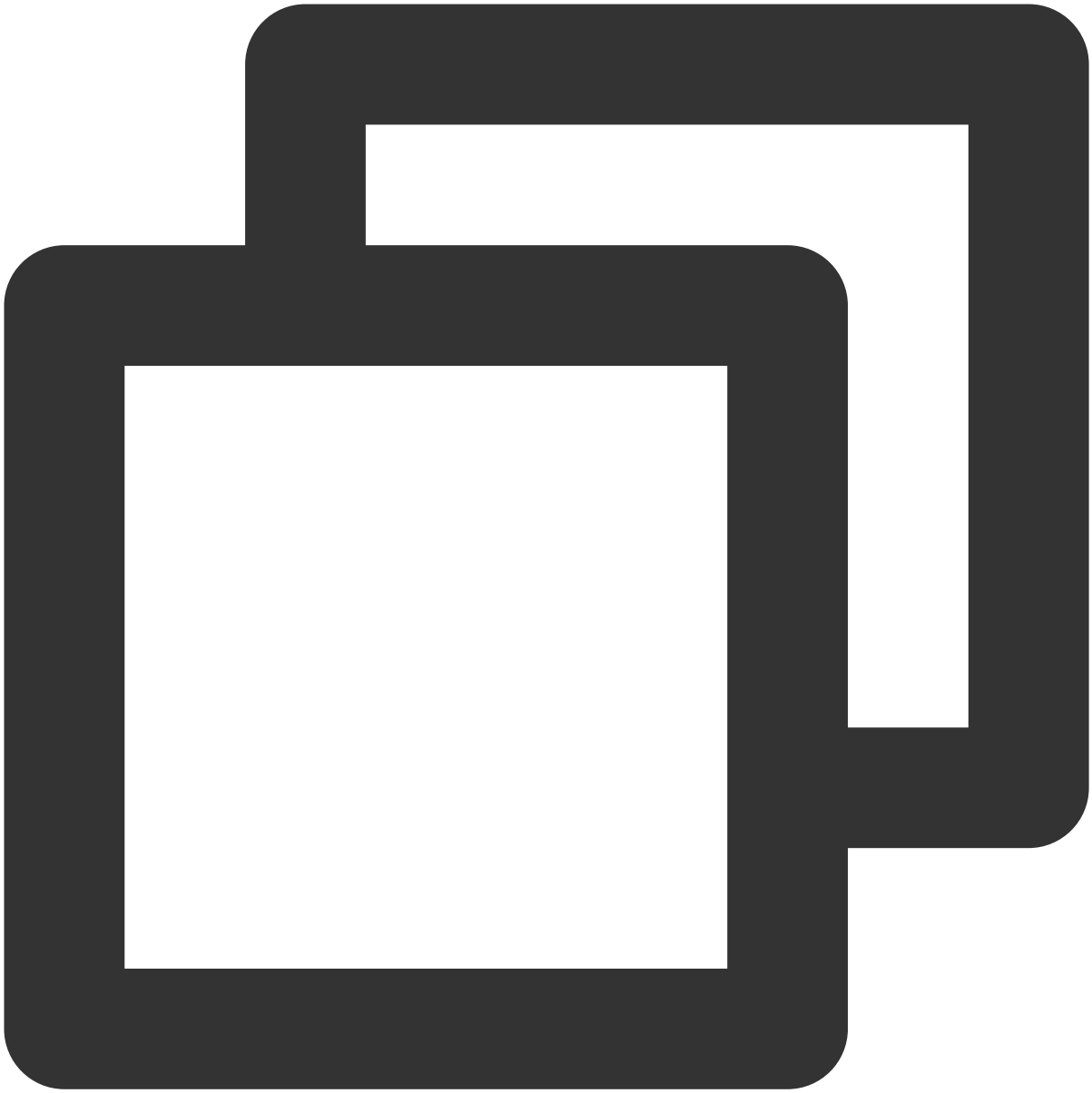
Feature Description

This API is used to submit a screenshot job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

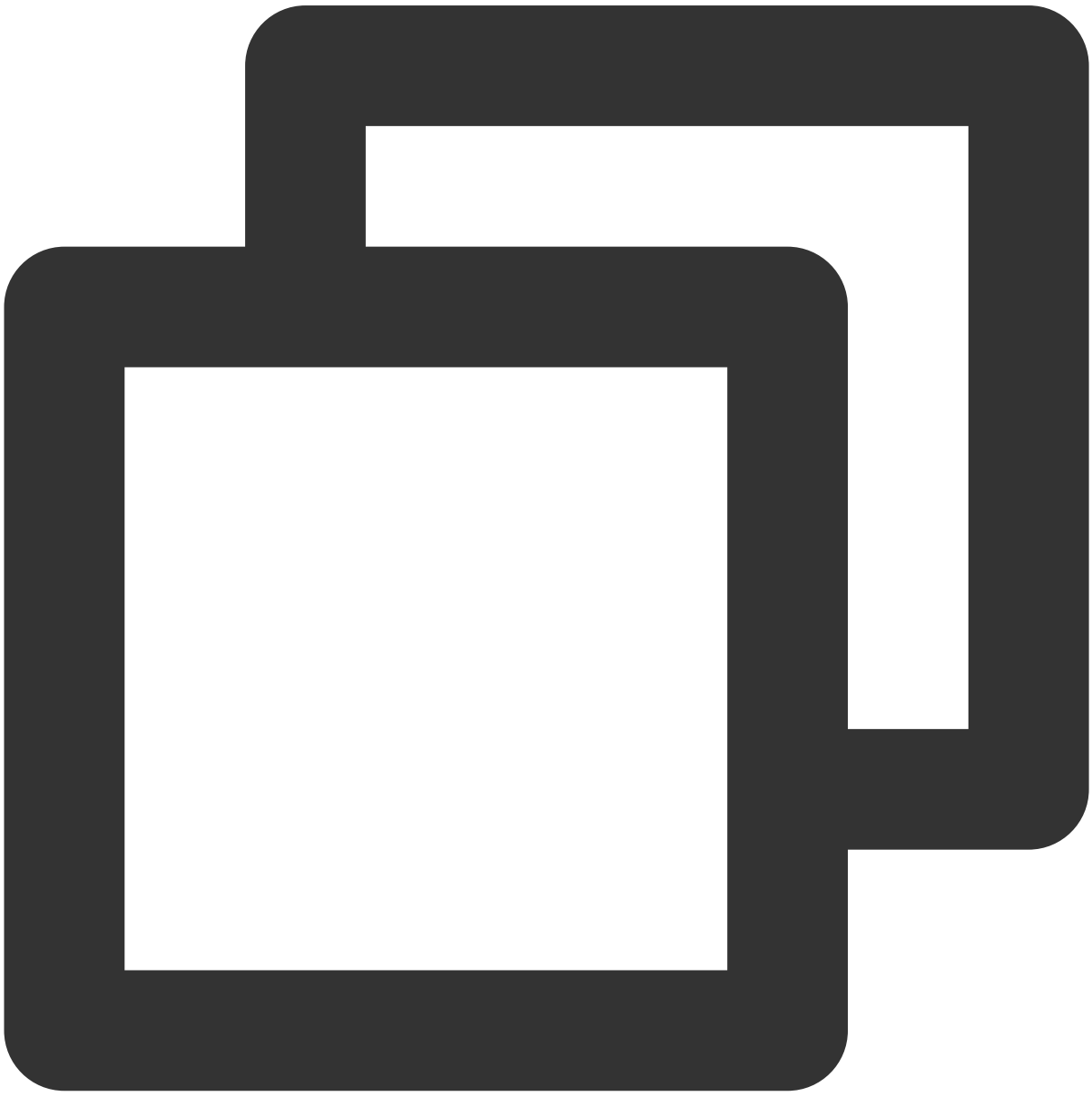
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Snapshot</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/snapshot-${Number}.jpg</Object>
            <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type: Snapshot	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Snapshot	Request.Operation	Job type parameter. Same as `Request.Snapshot` in the screenshot template creation API CreateMediaTemplate.	Container	No
TemplateId	Request.Operation	Template ID	String	No
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

Note:

`TemplateId` is used first. If `TemplateId` is unavailable, `Snapshot` is used.

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required

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Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Result filename. **${Number} must be included in the filename.** For example, you can set `Object` to `snapshot-${Number}.jpg` .	String	No
SpriteObject	Request.Operation.Output	Image sprite name. **${Number} must be included in the filename.** **For example, you can set `sprite-${Number}.jpg` .** Only the .jpg format is supported.	String	No

Response

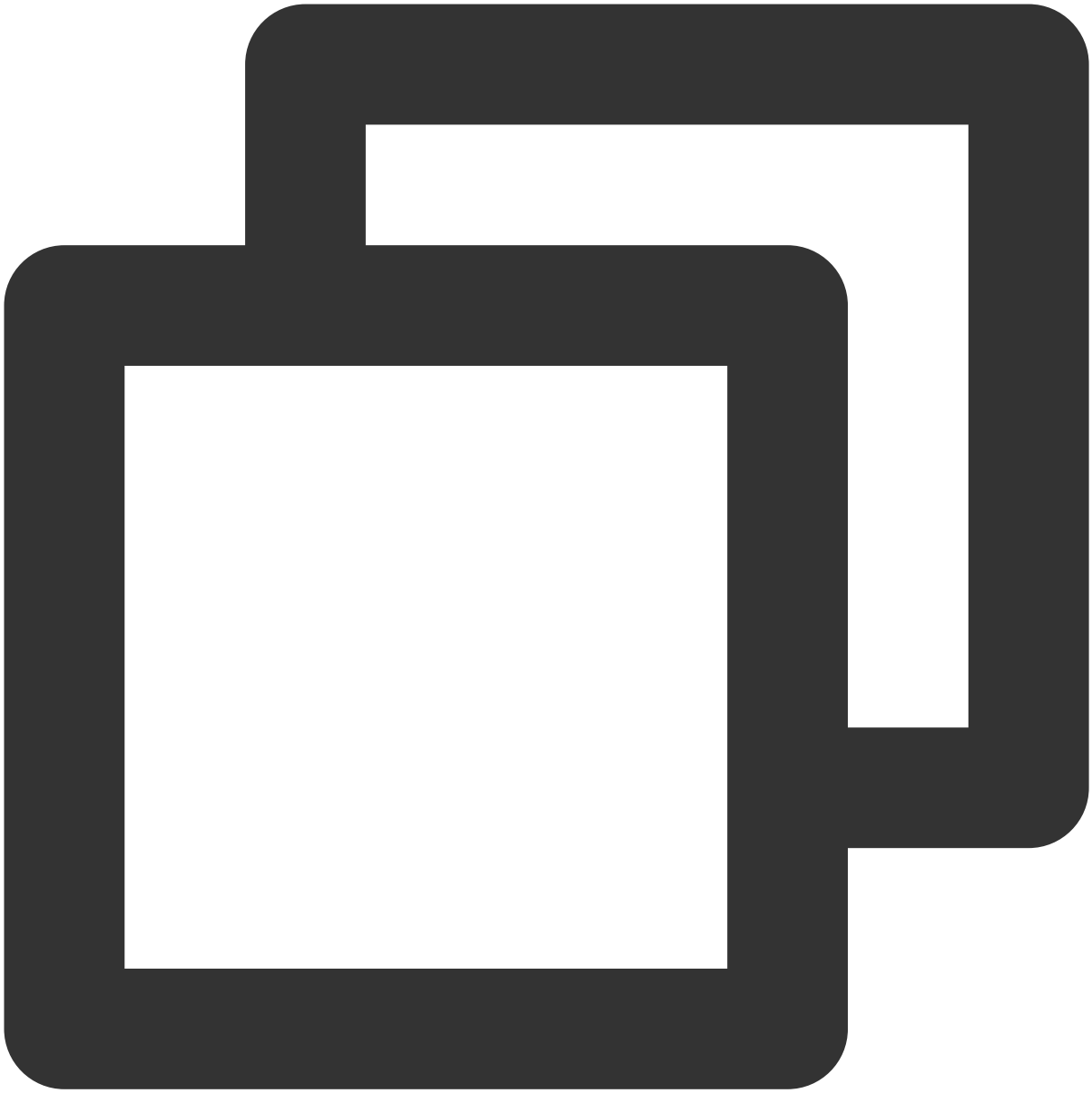
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Snapshot</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>snapshot_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/snapshot-${Number}.jpg</Object>
                <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type: Snapshot	String

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State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if `TemplateId` exists.	String
Snapshot	Response.JobsDetail.Operation	Same as `Request.Operation.Snapshot` in the request.	Container
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Container

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UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

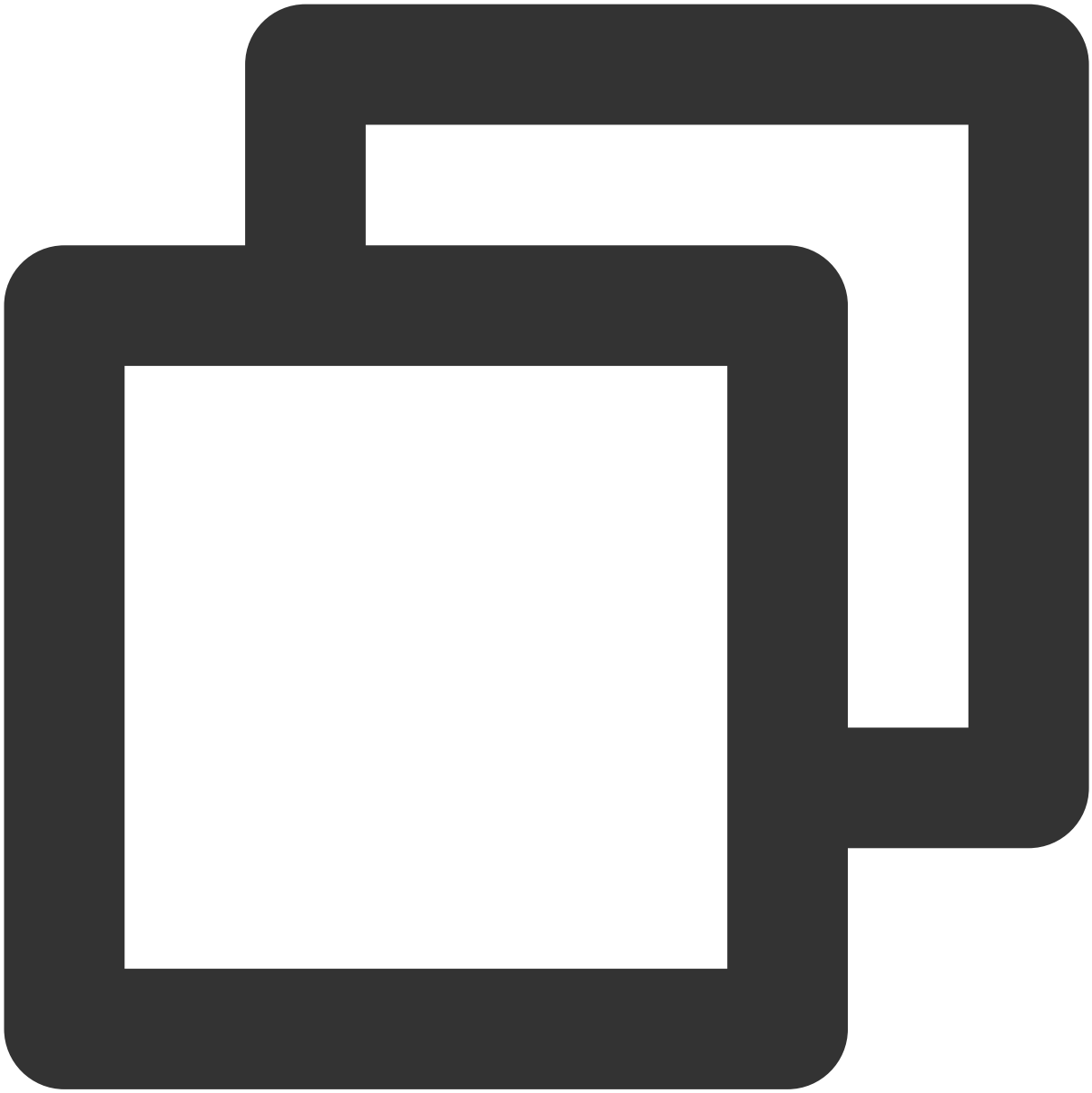
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

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Request 1. Using the screenshot template ID



```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

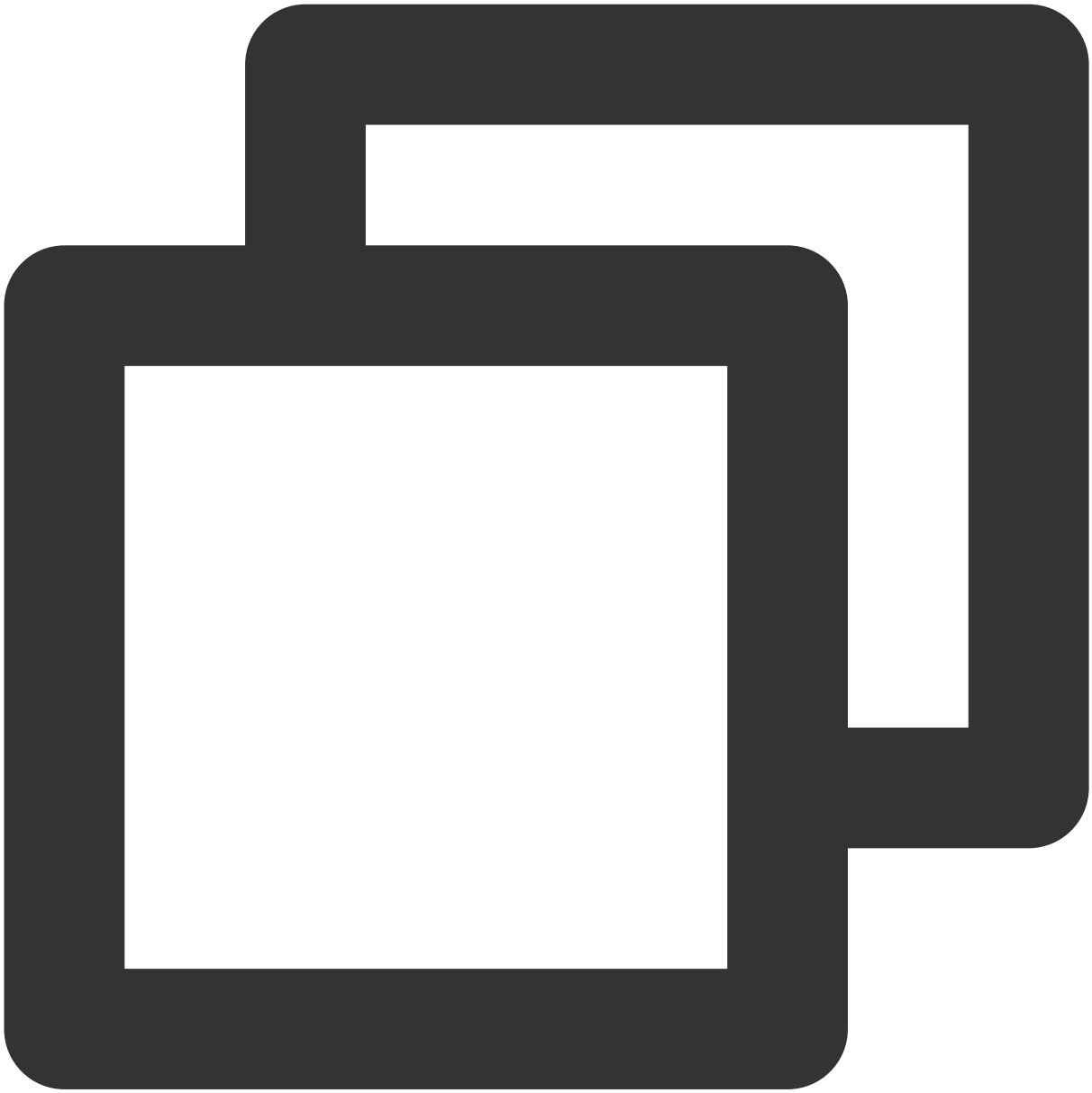
<Request>
    <Tag>Snapshot</Tag>
    <Input>
```

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```
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/snapshot-${Number}.jpg</Object>
            <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

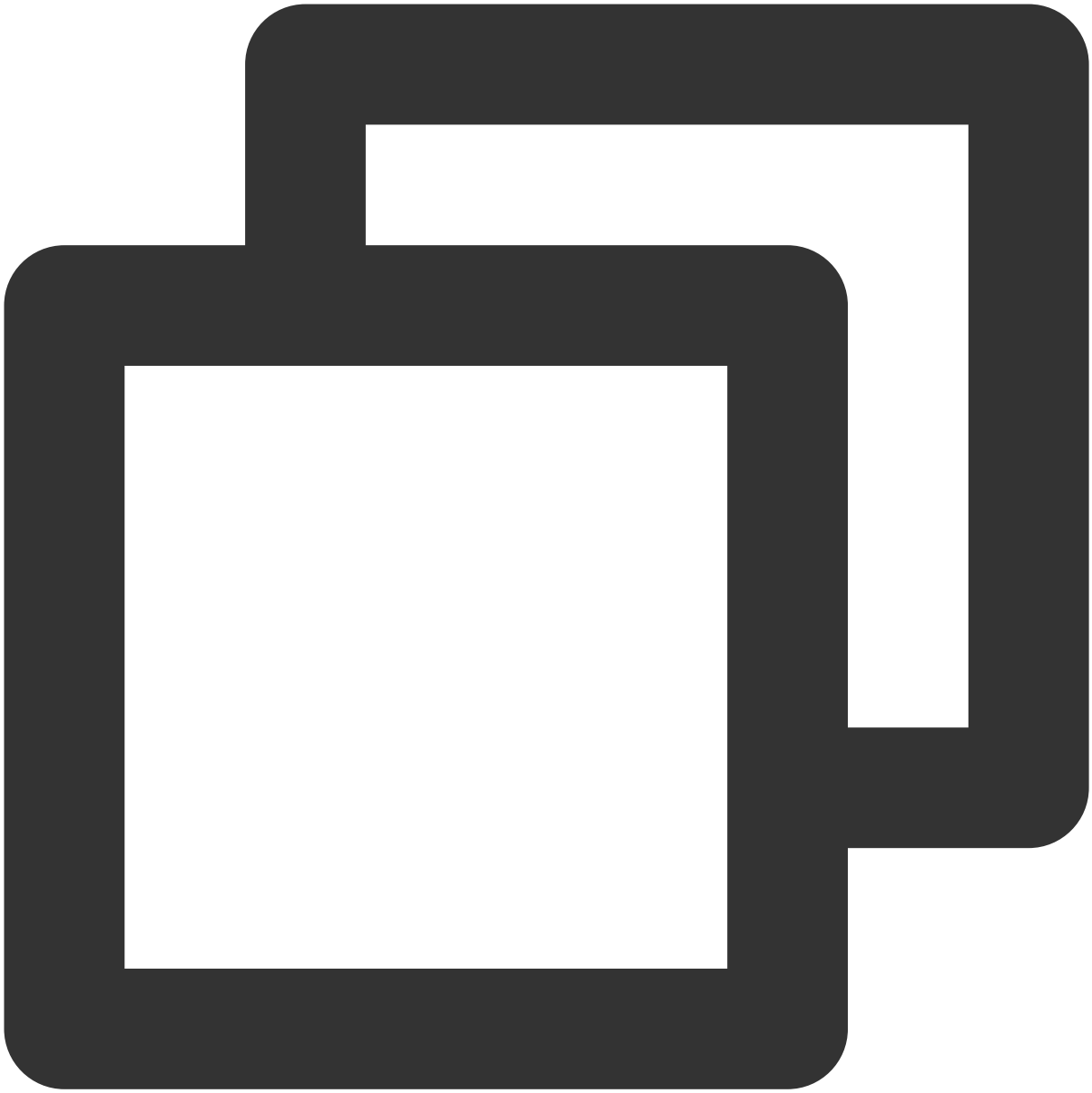
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Snapshot</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>snapshot_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/snapshot-${Number}.jpg</Object>
                <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2. Using the screenshot processing parameter

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

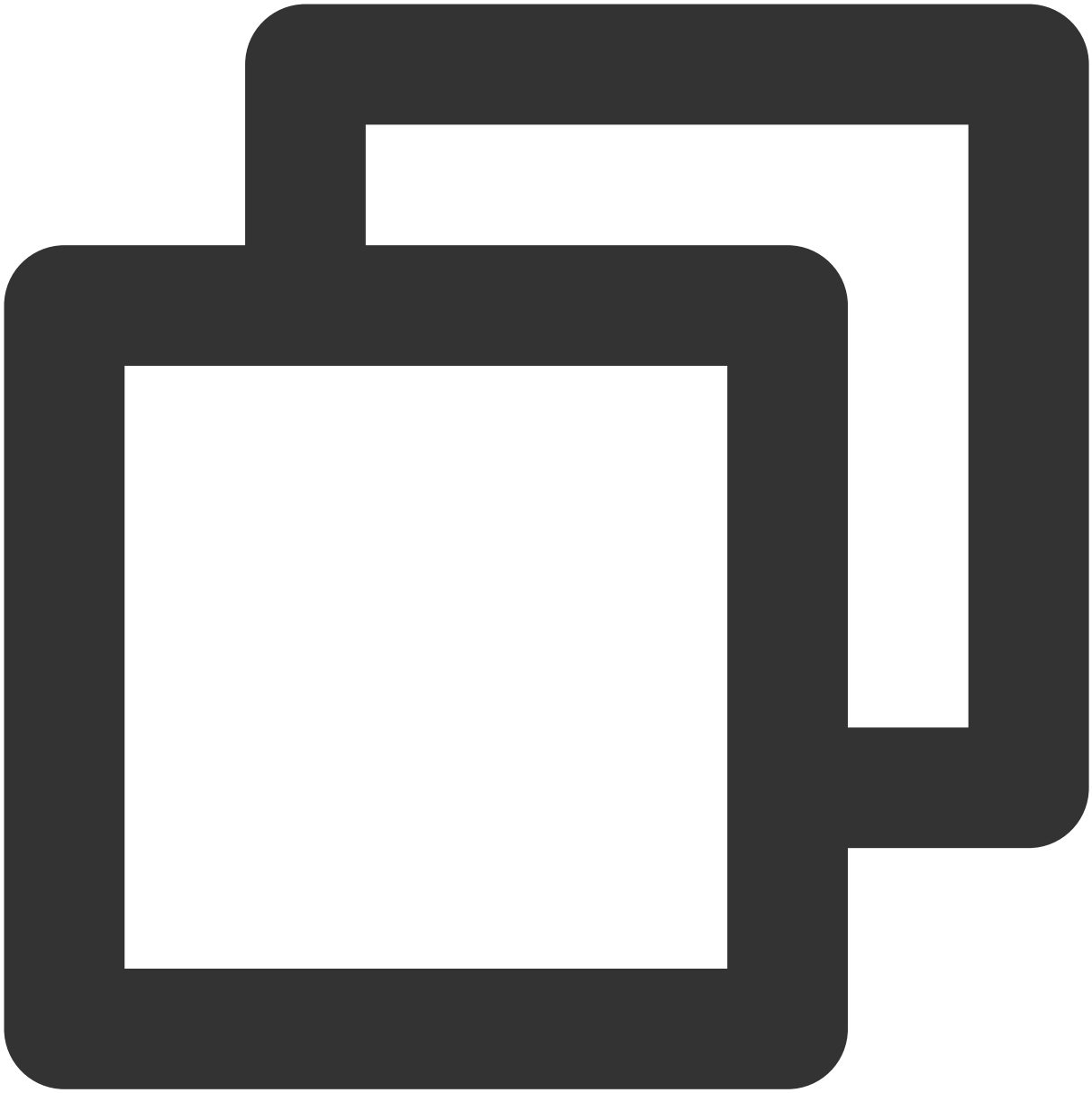
<Request>
    <Tag>Snapshot</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <Snapshot>
            <BlackLevel>0</BlackLevel>
            <Count>10</Count>
            <IsCheckBlack>false</IsCheckBlack>
            <IsCheckCount>false</IsCheckCount>
            <Mode>Interval</Mode>
            <PixelBlackThreshold>0</PixelBlackThreshold>
            <SnapshotOutMode>SnapshotAndSprite</SnapshotOutMode>
            <SpriteSnapshotConfig>
                <Color>Azure</Color>
                <Columns>3</Columns>
                <Lines>2</Lines>
            </SpriteSnapshotConfig>
            <Start>1</Start>
            <TimeInterval>2</TimeInterval>
        </Snapshot>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/snapshot-${Number}.jpg</Object>
            <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Snapshot</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Snapshot>
                <BlackLevel>0</BlackLevel>
                <Count>10</Count>
                <IsCheckBlack>false</IsCheckBlack>
                <IsCheckCount>false</IsCheckCount>
                <Mode>Interval</Mode>
                <PixelBlackThreshold>0</PixelBlackThreshold>
                <SnapshotOutMode>SnapshotAndSprite</SnapshotOutMode>
                <SpriteSnapshotConfig>
                    <Color>Azure</Color>
                    <Columns>3</Columns>
                    <Lines>2</Lines>
                </SpriteSnapshotConfig>
                <Start>1</Start>
                <TimeInterval>2</TimeInterval>
            </Snapshot>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/snapshot-${Number}.jpg</Object>
                <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Stream Separation Job

Last updated：2024-02-27 15:42:23

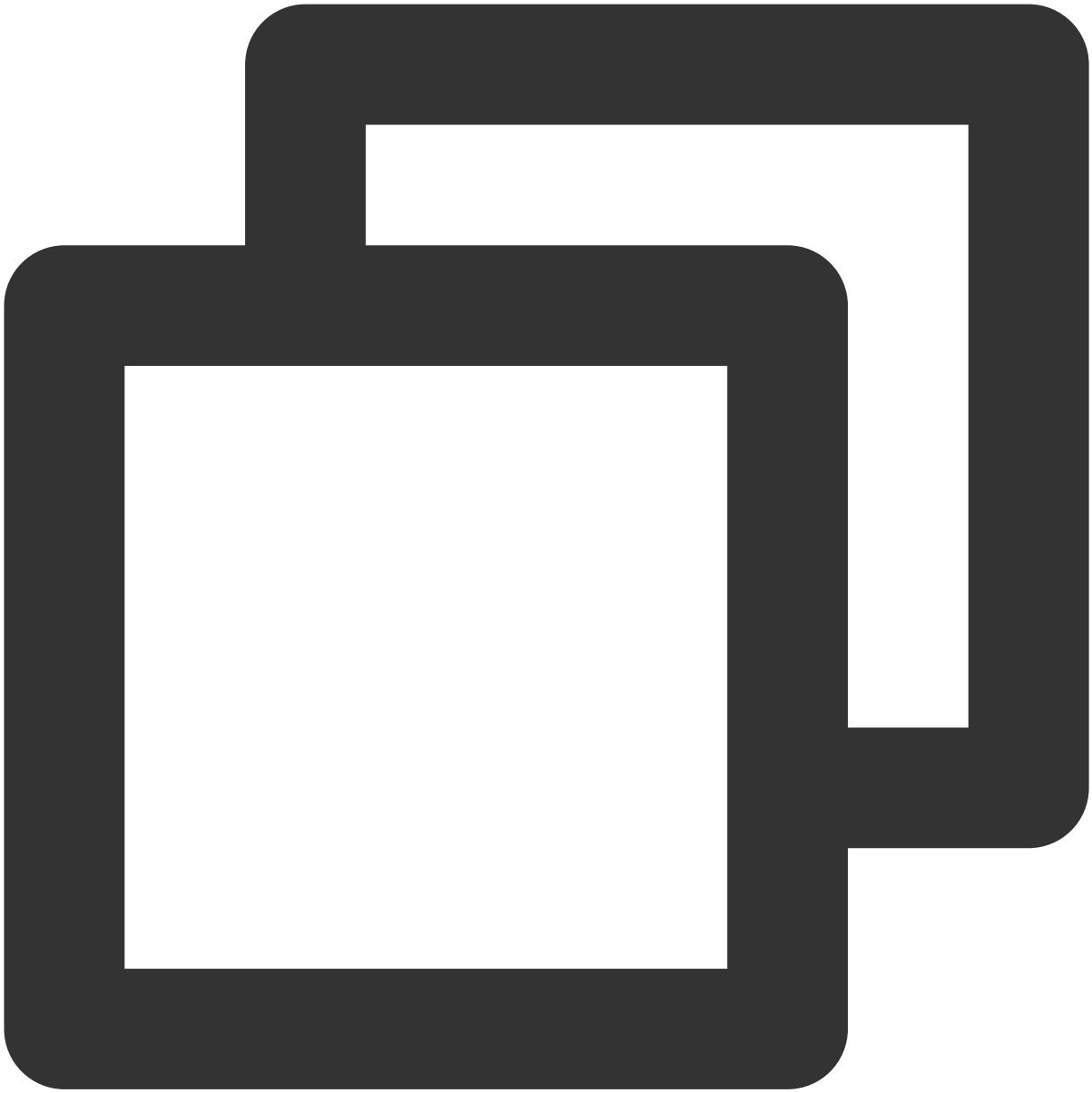
Feature Description

This API is used to submit an audio/video stream separation job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

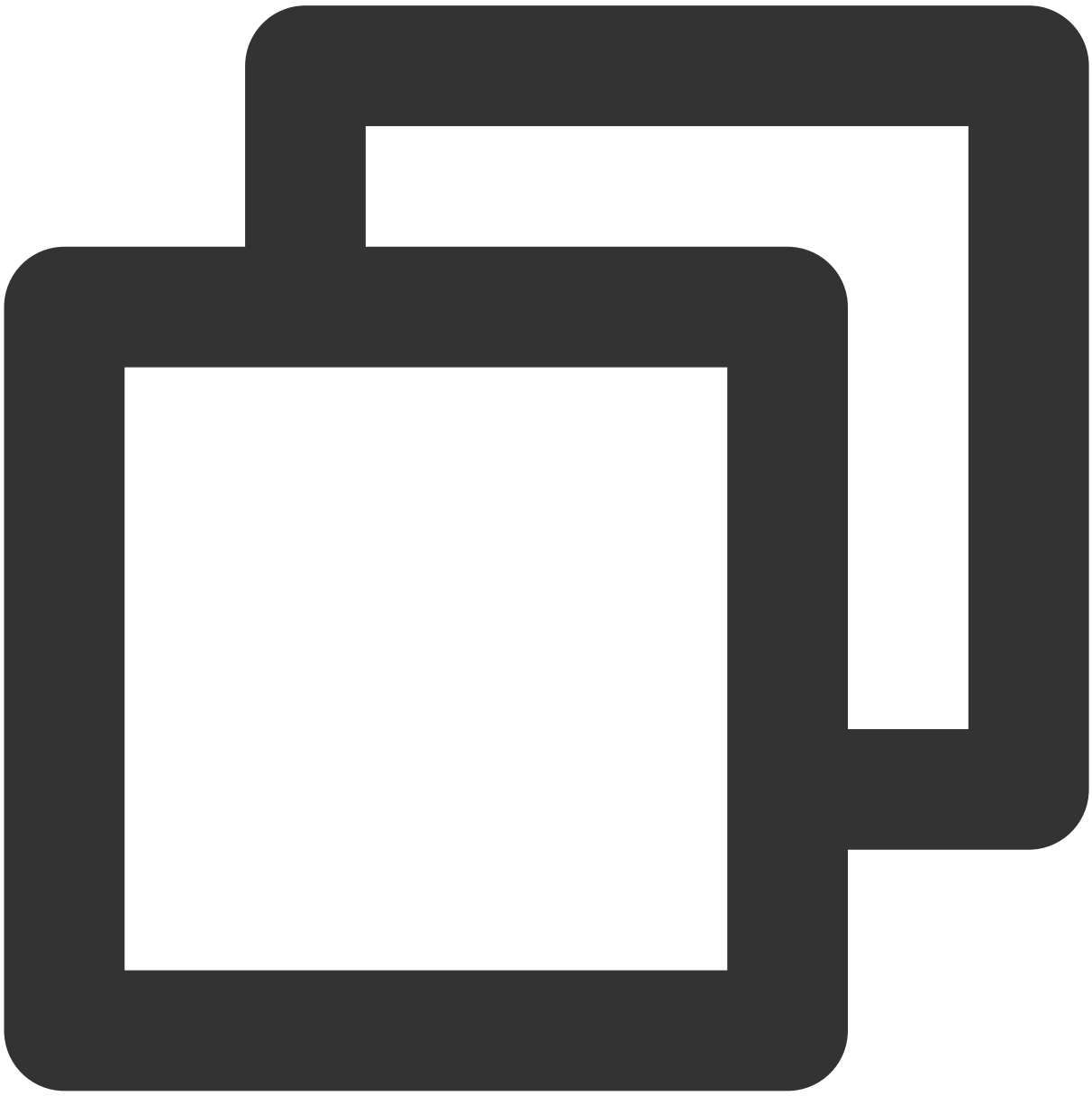
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>StreamExtract</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <StreamExtract>
                <Index>0</Index>
                <Object>output/out0.mp4</Object>
            </StreamExtract>
            <StreamExtract>
                <Index>1</Index>
                <Object>output/out1.mp4</Object>
            </StreamExtract>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Output>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: StreamExtract	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or	String	No

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		`XML` (default value). It has a higher priority than that of the queue.		
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes

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StreamExtract	Request.Operation.Output	Result file configuration. Up to ten streams can be configured.	Container	Yes

`StreamExtract` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Index	Request.Operation.Output.StreamExtract	Stream number, which corresponds to `Response.MediaInfo.Stream.Video.Index` and `Response.MediaInfo.Stream.Audio.Index` in the media information. For more information, see Getting Media File Information. If the input media format is `mxf`, only video streams can be extracted.
Object	Request.Operation.Output.StreamExtract	Result output filename

Response

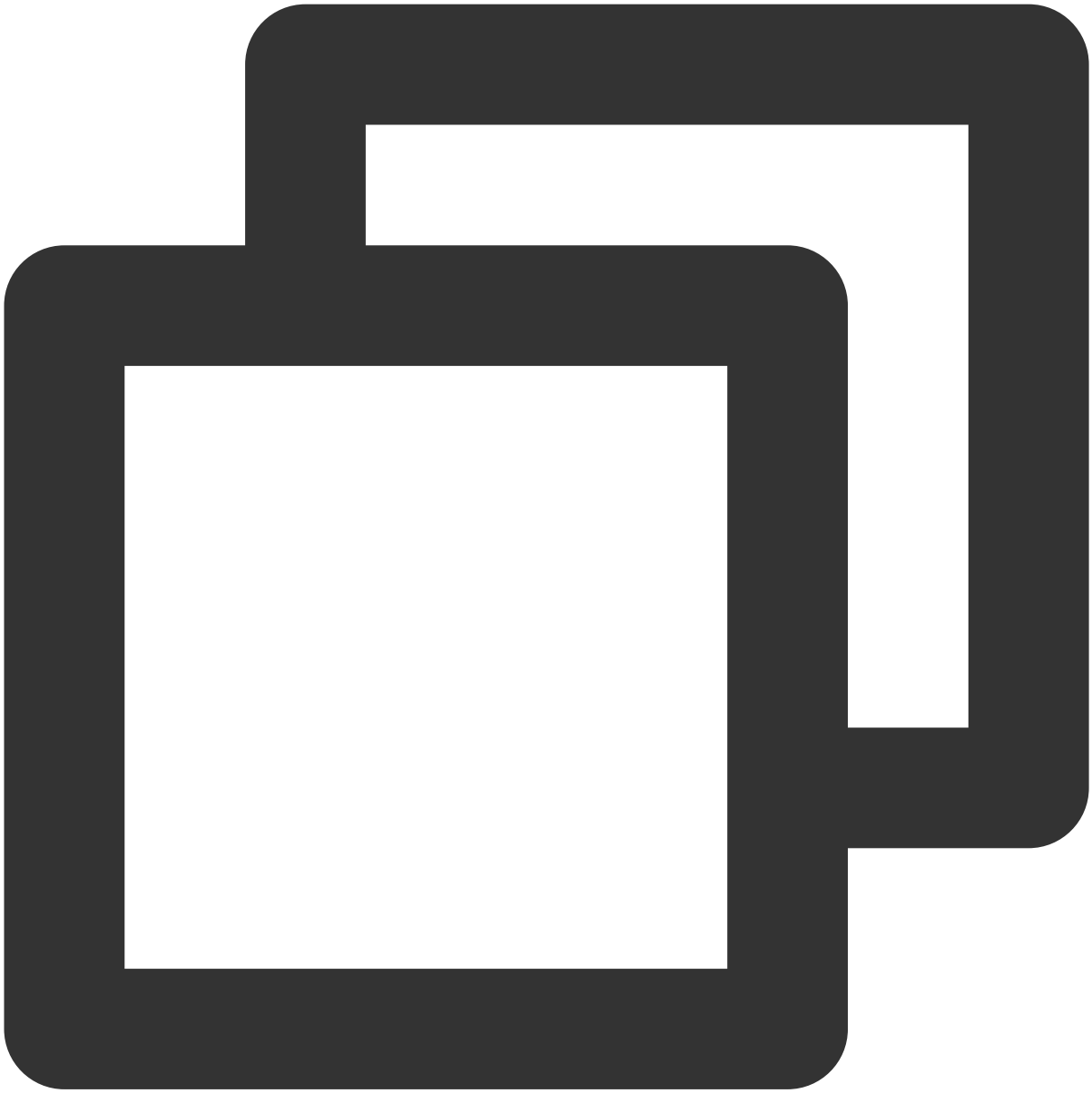
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:11+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>StreamExtract</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Region>ap-chongqing</Region>
                <StreamExtract>
                    <Index>0</Index>
                    <Output>output/out0.mp4</Output>
                </StreamExtract>
                <StreamExtract>
                    <Index>1</Index>
                    <Output>output/out1.mp4</Output>
                </StreamExtract>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String

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JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: StreamExtract	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

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`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

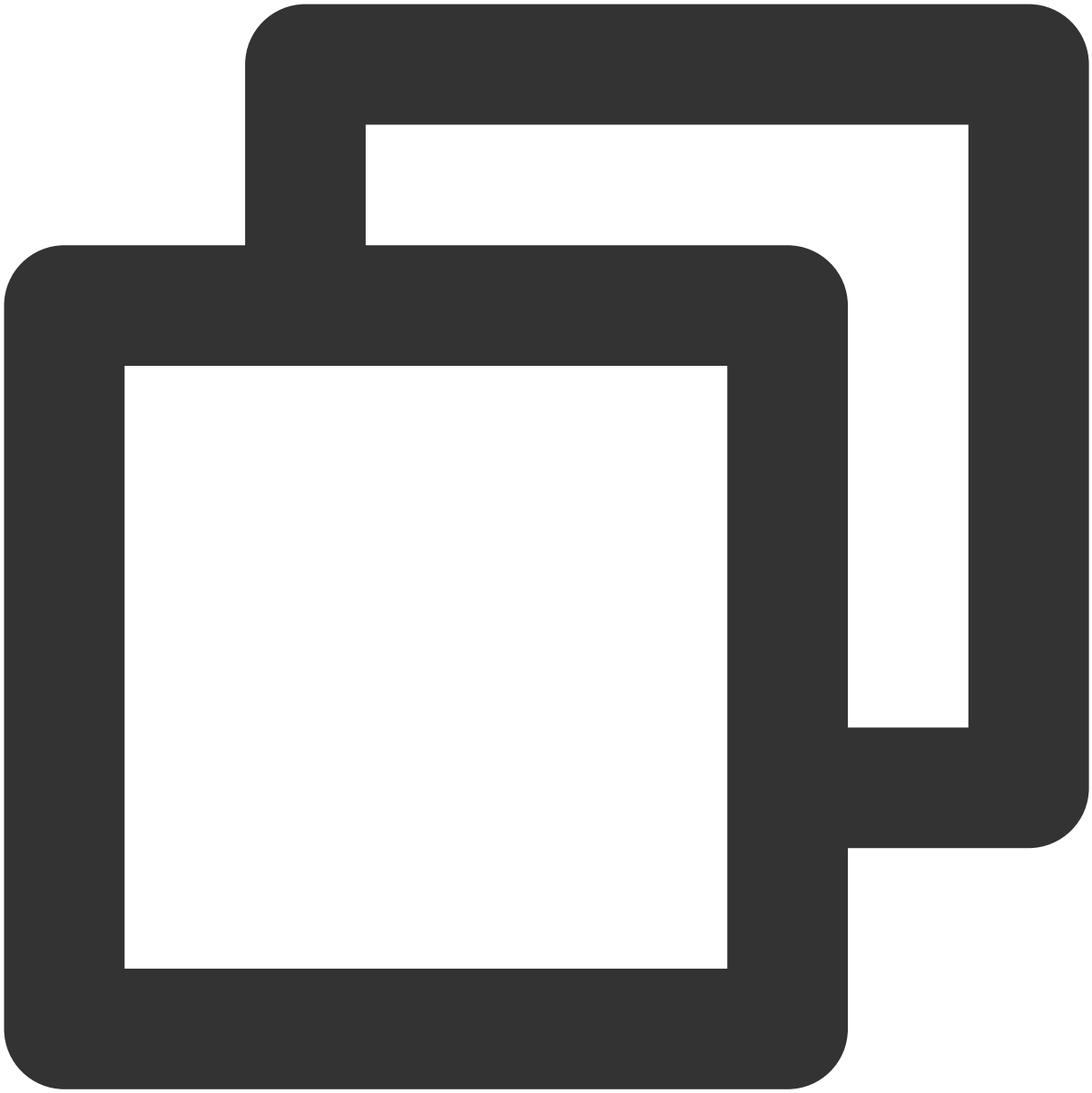
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

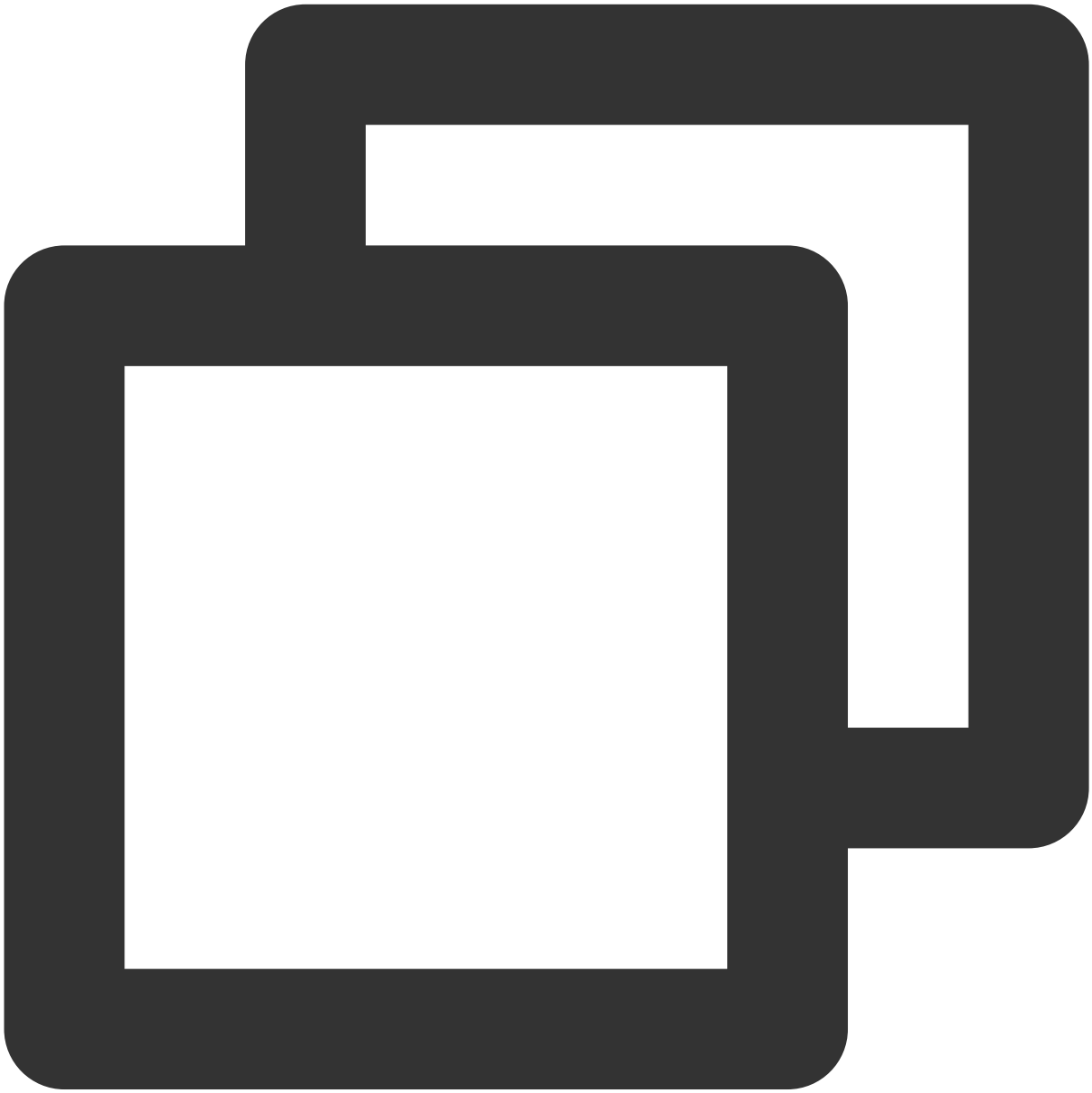
<Request>
    <Tag>StreamExtract</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <StreamExtract>
                <Index>0</Index>
                <Object>output/out0.mp4</Object>
            </StreamExtract>
            <StreamExtract>
                <Index>1</Index>
                <Object>output/out1.mp4</Object>
            </StreamExtract>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Output>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:11+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>StreamExtract</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Region>ap-chongqing</Region>
                <StreamExtract>
                    <Index>0</Index>
                    <Output>output/out0.mp4</Output>
                </StreamExtract>
                <StreamExtract>
                    <Index>1</Index>
                    <Output>output/out1.mp4</Output>
                </StreamExtract>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Super Resolution Job

Last updated：2024-02-27 15:42:23

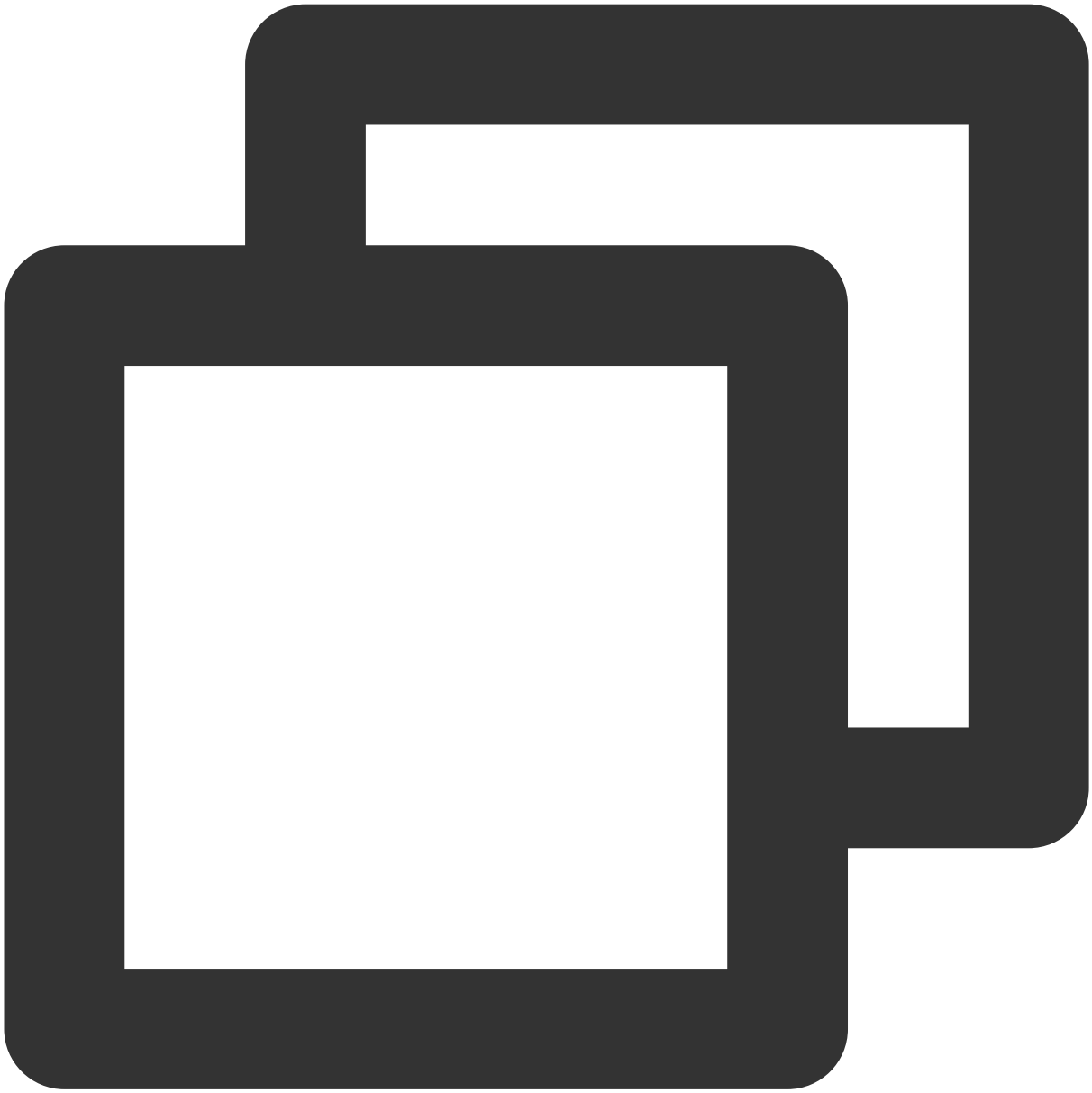
Feature Description

This API is used to submit a super resolution job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

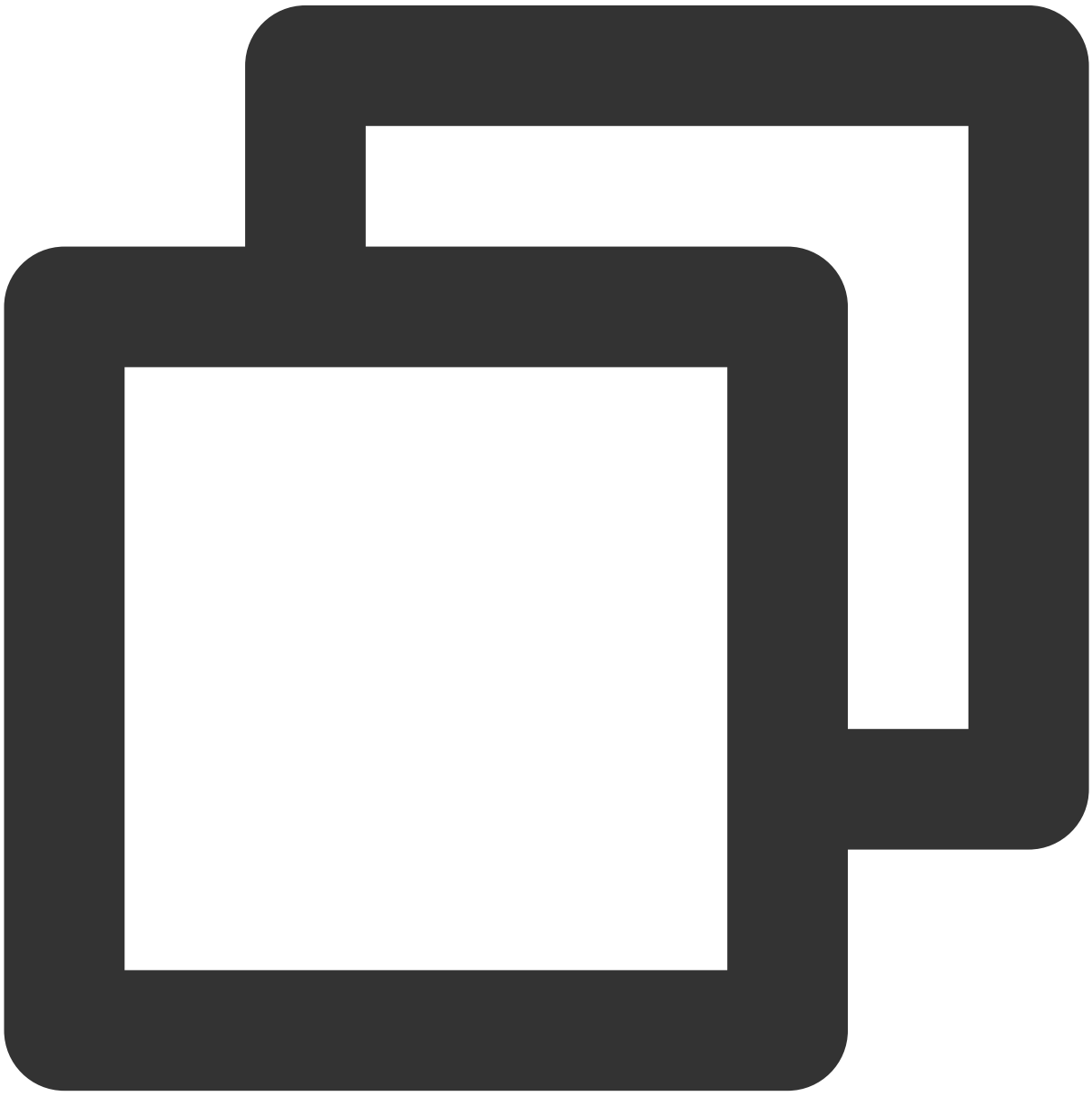
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SuperResolution</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <TranscodeTemplateId>t160606b9752148c4absdfaf2f55163b1f</TranscodeTemplateI
        <WatermarkTemplateId>t146d70eb241c44c63b6efc1cc93ccfc5d</WatermarkTemplateI
        <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTemplateI
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: SuperResolution	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes

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CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ` . It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no` , no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ` .	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
SuperResolution	Request.Operation	Super resolution template parameter. This node and `TemplateId` cannot be empty at the same time.	Container	No
TemplateId	Request.Operation	Super resolution template ID, which is used first. This node and `SuperResolution` cannot be empty at the same time.	String	No
Transcode	Request.Operation	Transcoding template parameter. This node and `TranscodeTemplateId` cannot be empty at the same time.	Container	No
TranscodeTemplateId	Request.Operation	Transcoding template ID. This	String	No

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		node and `Transcode` cannot be empty at the same time. Use this node first.		
Watermark	Request.Operation	Watermark template parameter. Same as `Request.Watermark` in the watermark template creation API CreateMediaTemplate. Up to three watermarks can be passed in.	Container array	No
WatermarkTemplateId	Request.Operation	Watermark template ID. Up to three watermark template IDs can be passed in. If `Watermark` and `WatermarkTemplateId` exist at the same time, use `WatermarkTemplateId` first.	String array	No
DigitalWatermark	Request.Operation	Specifies the digital watermark parameter	Container	No
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` , `1` , `2` . Default value: `0` .	String	No

Note:

To submit a super resolution job, you must pass in the transcoding parameter. For the super resolution parameter, `TemplateId` is used first, and if `TemplateId` is unavailable, `SuperResolution` is used. For the transcoding parameter, `TranscodeTemplateId` is used first, and if `TranscodeTemplateId` is unavailable, `Transcode` is used. For the watermark parameter, `WatermarkTemplateId` or `Watermark` can be used for configuration, and `WatermarkTemplateId` is used first.

`SuperResolution` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Resolution	Request.Operation.SuperResolution	Same as	String	Yes

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		Request.Resolution in the super resolution template creation API CreateMediaTemplate.		
EnableScaleUp	Request.Operation.SuperResolution	Same as Request.EnableScaleUp in the super resolution template creation API CreateMediaTemplate.	String	No
Version	Request.Operation.SuperResolution	Same as Request.Version in the super resolution template creation API CreateMediaTemplate.	String	No

`Transcode` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TimeInterval	Request.Operation.Transcode	Same as Request.TimeInterval in the transcoding template creation API CreateMediaTemplate.	Container	No
Container	Request.Operation.Transcode	Same as Request.Container in the transcoding template creation API CreateMediaTemplate.	Container	No
Video	Request.Operation.Transcode	Same as Request.Video in the transcoding template creation API CreateMediaTemplate.	Container	No
Audio	Request.Operation.Transcode	Same as Request.Audio in the transcoding template creation API CreateMediaTemplate.	Container	No
TransConfig	Request.Operation.Transcode	Same as Request.TransConfig in the transcoding template creation API CreateMediaTemplate.	Container	No
AudioMix	Request.Operation.Transcode	Audio mix parameter as described in Structure.	Container array	No

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`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Message	Request.Operation.DigitalWatermark	The string embedded by the digital watermark, which can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes
Type	Request.Operation.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String	Yes
Version	Request.Operation.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String	Yes
IgnoreError	Request.Operation.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true`, `false` (default value).	string	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

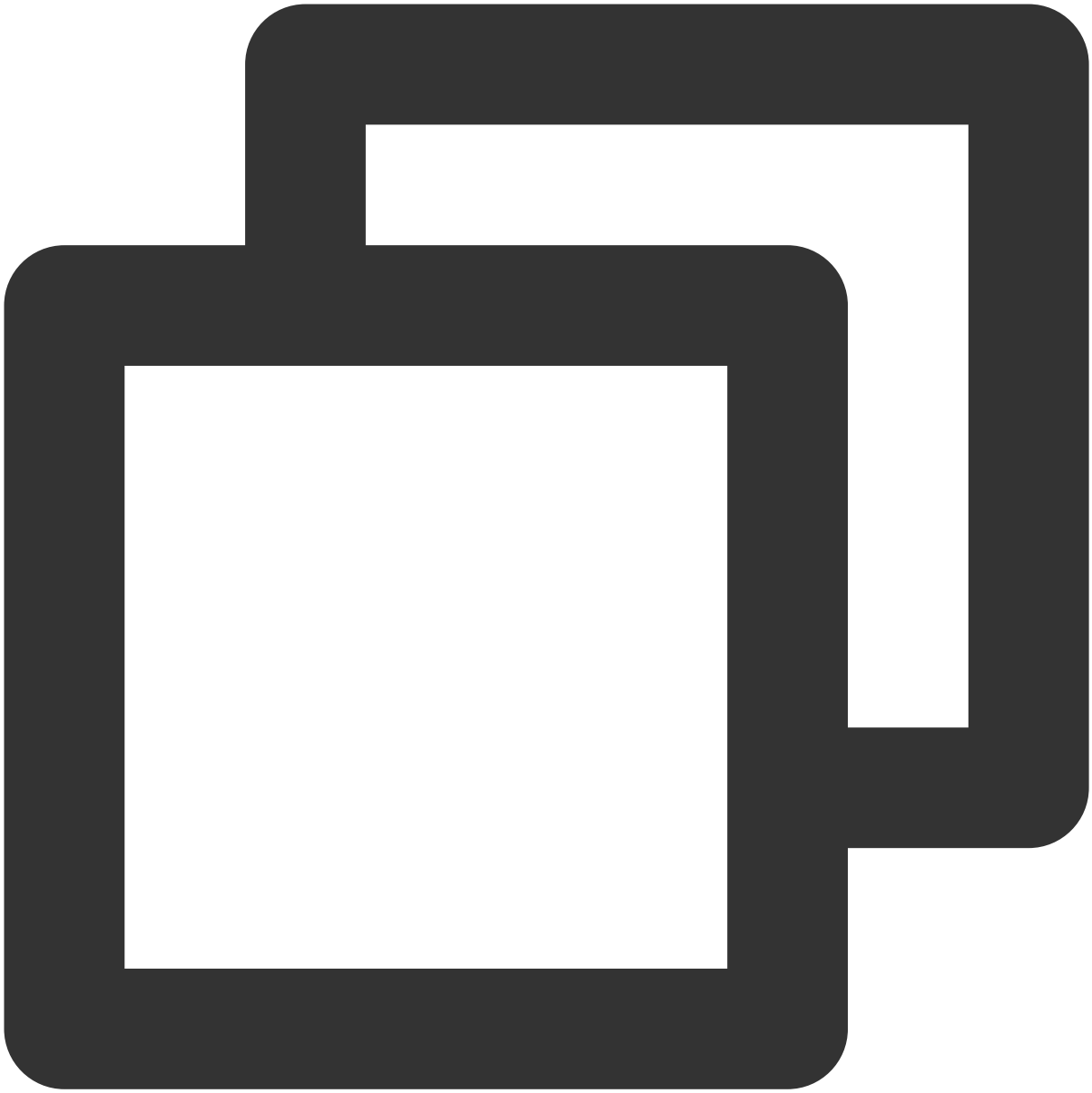
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>SuperResolution</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
              <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
              <TemplateName>superresolution_demo</TemplateName>
              <TranscodeTemplateId>t160606b9752148c4absdfaf2f55163b1f</TranscodeTem
              <WatermarkTemplateId>t146d70eb241c44c63b6efc1cc93ccfc5d</WatermarkTem
              <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTem
              <DigitalWatermark>
                  <Type>Text</Type>
                  <Message>123456789ab</Message>
                  <State>Running</State>
                  <Version>V1</Version>
                  <IgnoreError>false</IgnoreError>
              </DigitalWatermark>
              <Output>
                  <Region>ap-chongqing</Region>
                  <Bucket>test-123456789</Bucket>
                  <Object>output/out.mp4</Object>
              </Output>
              <UserData>This is my data.</UserData>
              <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is	String

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		`Failed`	
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: SuperResolution	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
SuperResolution	Response.JobsDetail.Operation	Same as `Request.Operation.SuperResolution` in the request.
TemplateId	Response.JobsDetail.Operation	Job template ID
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if

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		`TemplateId` exists.
Transcode	Response.JobsDetail.Operation	Same as `Request.Operation.Transcode` in the request.
TranscodeTemplateId	Response.JobsDetail.Operation	Transcoding template ID.
Watermark	Response.JobsDetail.Operation	Same as `Request.Operation.Watermark` in the request.
WatermarkTemplateId	Response.JobsDetail.Operation	Watermark template ID.
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.
DigitalWatermark	Response.JobsDetail.Operation	Digital watermark parameter.
UserData	Response.JobsDetail.Operation	The user information passed through.
JobLevel	Response.JobsDetail.Operation	Job priority

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String

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Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Message	Response.Operation.DigitalWatermark	The string in the digital watermark successfully embedded in the video, which can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).	string
Type	Response.Operation.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String
Version	Response.Operation.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String
IgnoreError	Response.Operation.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true`, `false` (default value).	string
State	Response.Operation.DigitalWatermark	Whether the watermark is added successfully. Valid values: `Running`, `Success`, `Failed`.	string

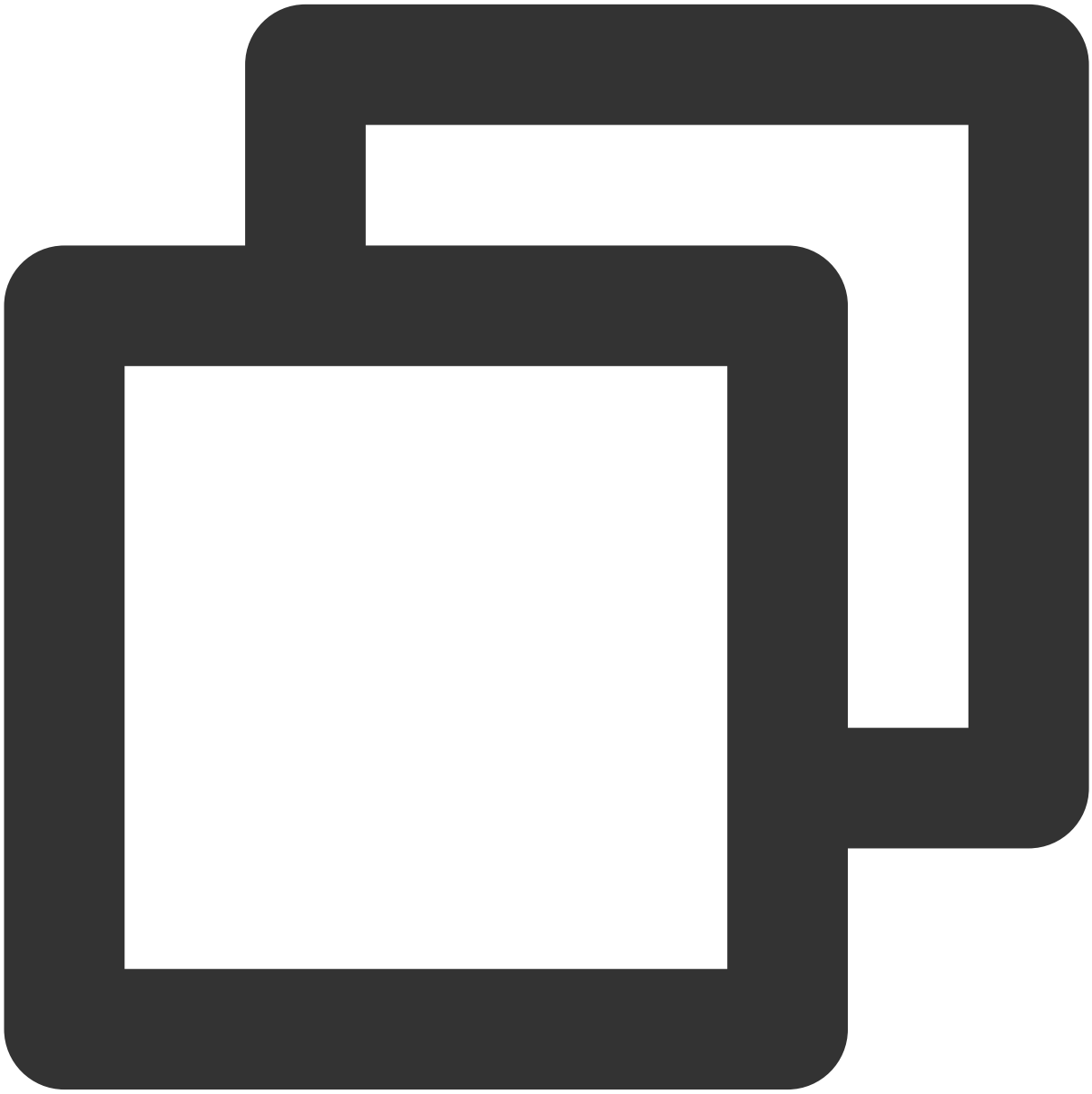
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1. Using the super resolution template ID



```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
```

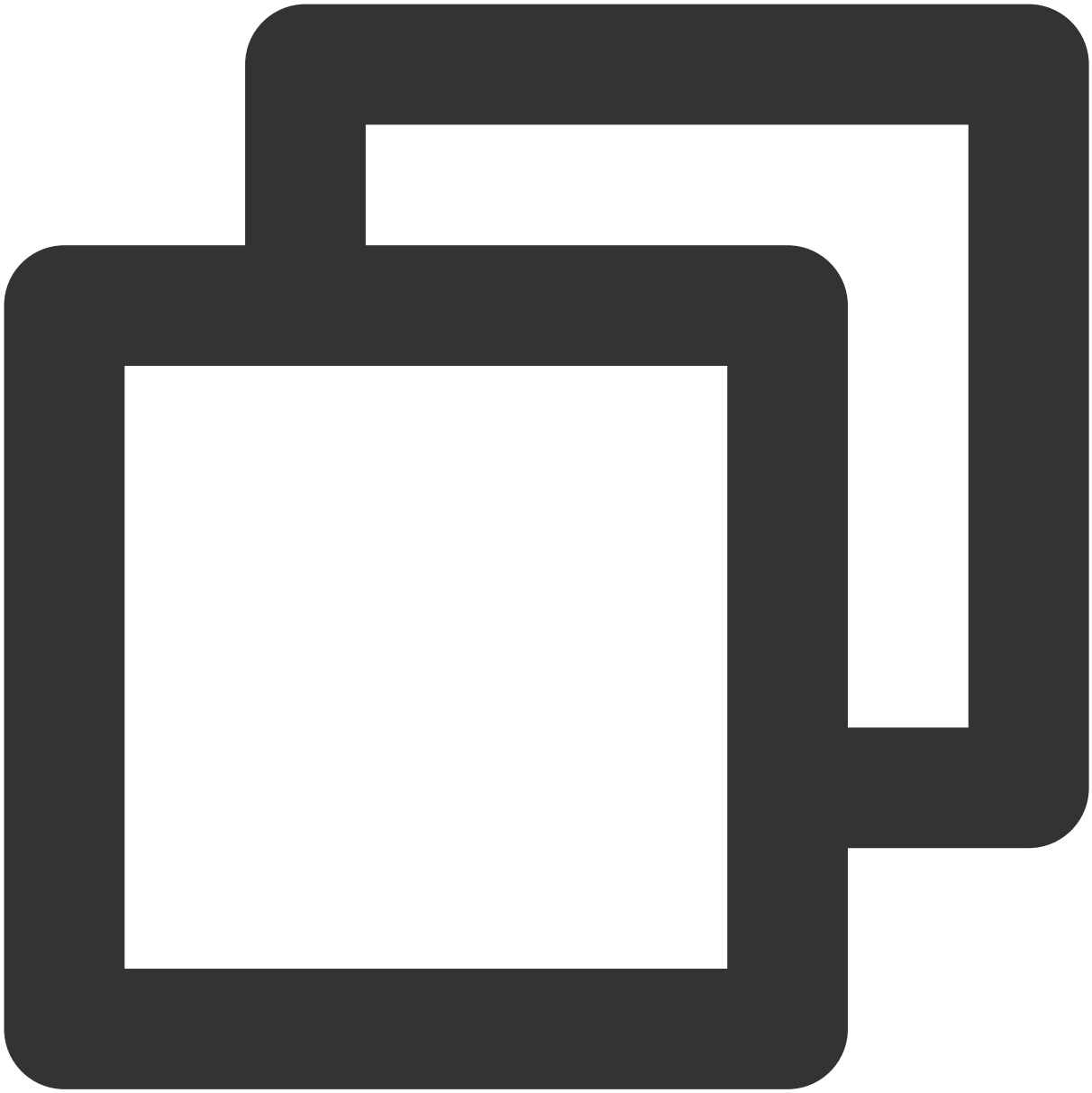
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```
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>SuperResolution</Tag>
    <Input>
        <Object>test.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <TranscodeTemplateId>t160606b9752148c4absdfaf2f55163b1f</TranscodeTemplateI
        <WatermarkTemplateId>t146d70eb241c44c63b6efc1cc93ccfc5d</WatermarkTemplateI
        <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTemplateI
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/sr.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response 1

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

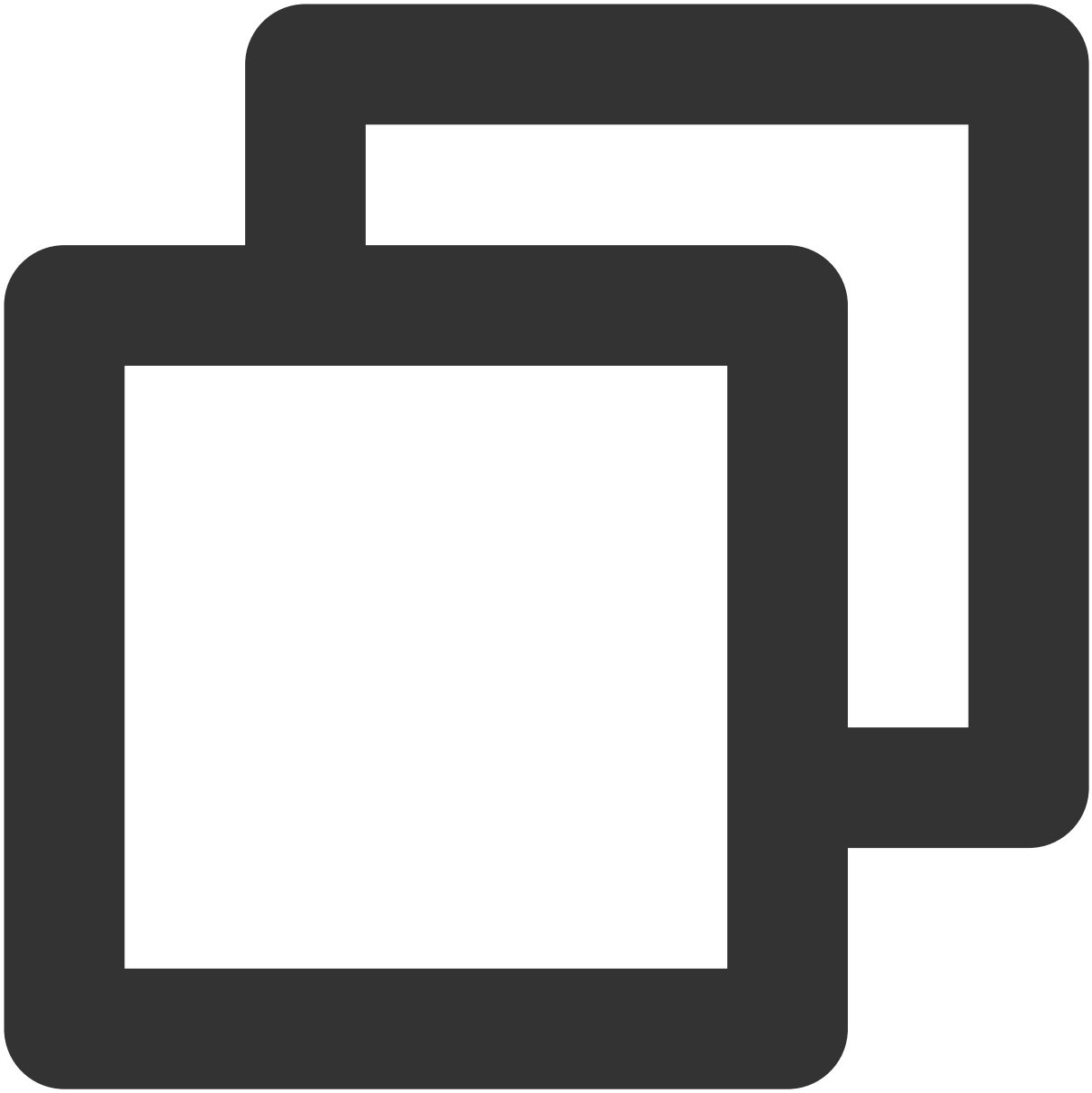
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>je8f65004eb8511eaaed4f377124a303c</JobId>
        <State>Submitted</State>
        <CreationTime>2019-07-07T12:12:12+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>SuperResolution</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>superresolution_demo</TemplateName>
            <TranscodeTemplateId>t160606b9752148c4absdfaf2f55163b1f</TranscodeTempl
            <WatermarkTemplateId>t146d70eb241c44c63b6efc1cc93ccfc5d</WatermarkTempl
            <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTempl
            <DigitalWatermark>
                <State>Running</State>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/sr.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2. Using the super resolution processing parameter

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>SuperResolution</Tag>
    <Input>
        <Object>test.mp4</Object>
    </Input>
```

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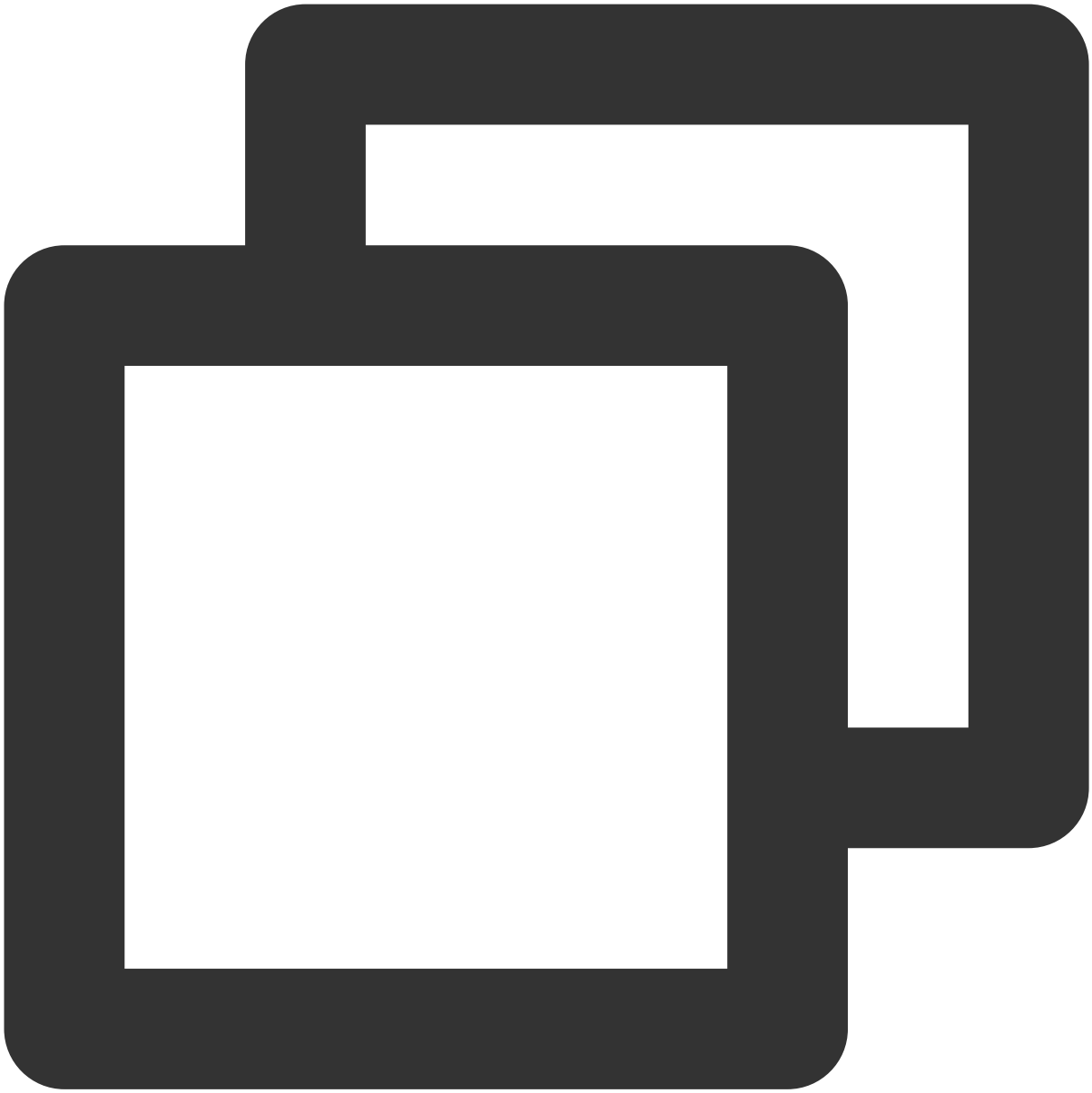
```
    <Operation>
        <SuperResolution>
            <Resolution>sdtohd</Resolution>
            <EnableScaleUp>true</EnableScaleUp>
            <Version>Enhance</Version>
        </SuperResolution>
        <Transcode>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Profile>high</Profile>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Preset>medium</Preset>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <AdjDarMethod>scale</AdjDarMethod>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </Transcode>
        <Watermark>
            <Type>Text</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
            <Pos>TopRight</Pos>
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Text>
                <Text>Watermark content</Text>
                <FontSize>30</FontSize>
                <FontType>simfang.ttf</FontType>
                <FontColor>0xRRGGBB</FontColor>
```

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```
                <Transparency>30</Transparency>
            </Text>
        </Watermark>
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/sr.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response 2

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>je8f65004eb8511eaaed4f377124a303c</JobId>
        <State>Submitted</State>
        <CreationTime>2019-07-07T12:12:12+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>SuperResolution</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <SuperResolution>
                <Resolution>sdtohd</Resolution>
                <EnableScaleUp>true</EnableScaleUp>
                <Version>Enhance</Version>
            </SuperResolution>
            <Transcode>
                <Container>
                    <Format>mp4</Format>
                </Container>
                <Video>
                    <Codec>H.264</Codec>
                    <Profile>high</Profile>
                    <Bitrate>1000</Bitrate>
                    <Width>1280</Width>
                    <Fps>30</Fps>
                    <Preset>medium</Preset>
                </Video>
                <Audio>
                    <Codec>aac</Codec>
                    <Samplerate>44100</Samplerate>
                    <Bitrate>128</Bitrate>
                    <Channels>4</Channels>
                </Audio>
                <TransConfig>
                    <AdjDarMethod>scale</AdjDarMethod>
                    <IsCheckReso>false</IsCheckReso>
                    <ResoAdjMethod>1</ResoAdjMethod>
                </TransConfig>
                <TimeInterval>
                    <Start>0</Start>
                    <Duration>60</Duration>
                </TimeInterval>
            </Transcode>
```

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```
            <Watermark>
                <Type>Text</Type>
                <LocMode>Absolute</LocMode>
                <Dx>128</Dx>
                <Dy>128</Dy>
                <Pos>TopRight</Pos>
                <StartTime>0</StartTime>
                <EndTime>100.5</EndTime>
                <Text>
                    <Text>Watermark content</Text>
                    <FontSize>30</FontSize>
                    <FontType>simfang.ttf</FontType>
                    <FontColor>0xRRGGBB</FontColor>
                    <Transparency>30</Transparency>
                </Text>
            </Watermark>
            <DigitalWatermark>
                <State>Running</State>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/sr.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Audio/Video Transcoding Job

Last updated：2024-02-27 15:42:23

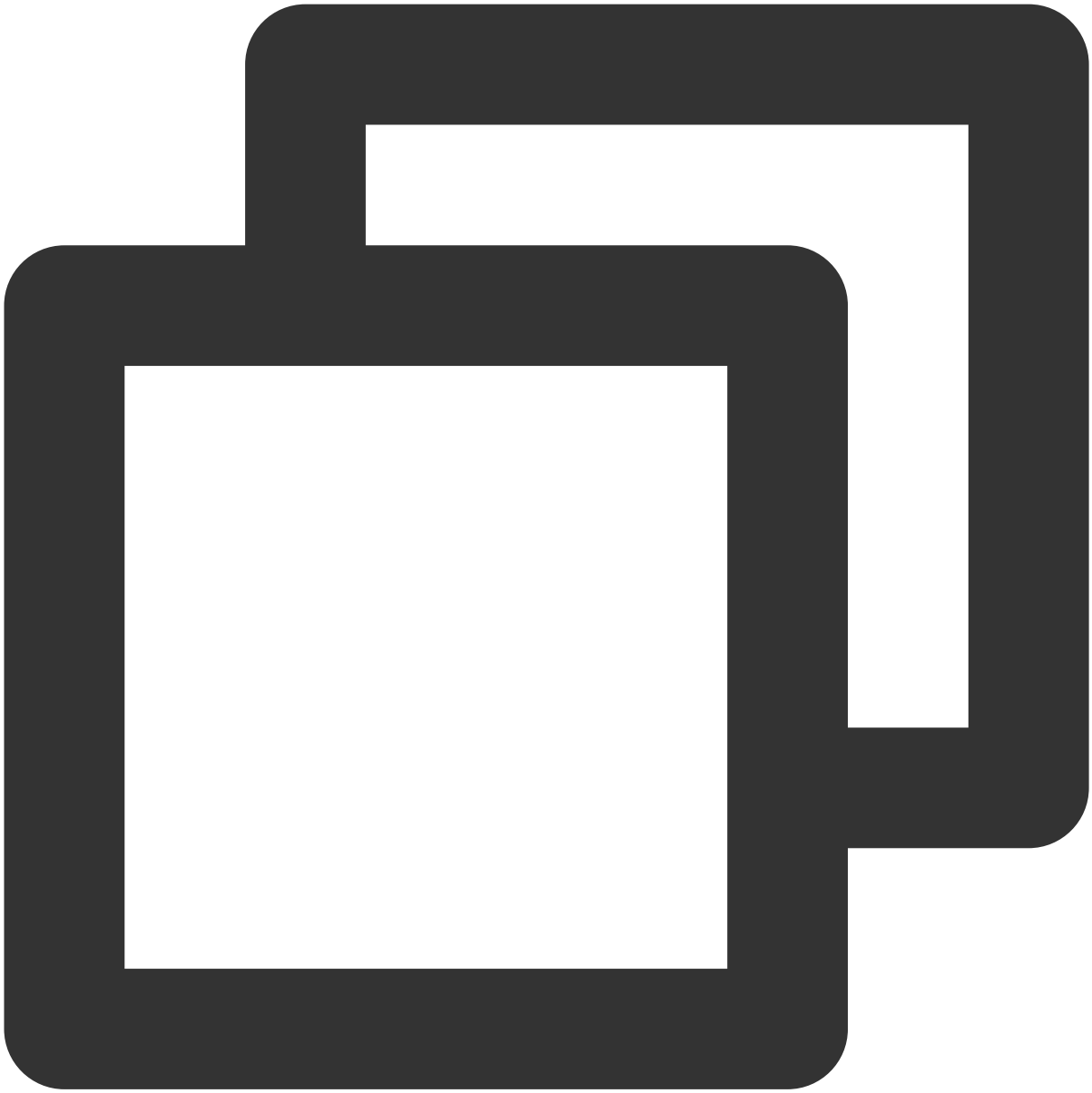
Feature Description

This API is used to submit a transcoding job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

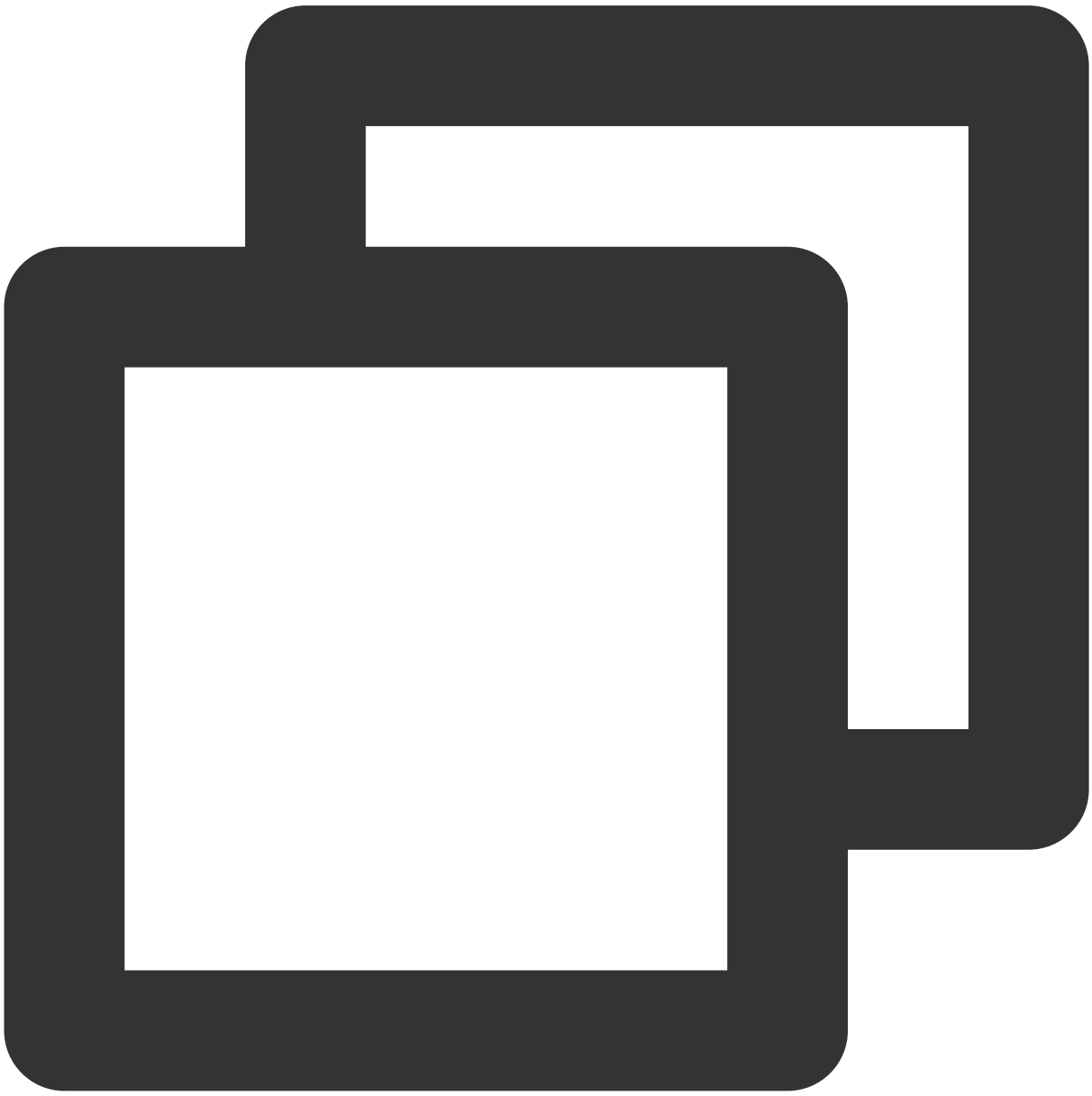
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Transcode</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTemplateI
        <RemoveWatermark>
            <Dx>150</Dx>
            <Dy>150</Dy>
            <Width>75</Width>
            <Height>75</Height>
        </RemoveWatermark>
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required

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Tag	Request	Job tag: Transcode	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TemplateId	Request.Operation	Template ID	String	No
Transcode	Request.Operation	Transcoding template parameter	Container	No
WatermarkTemplateId	Request.Operation	Watermark template ID. Multiple watermark template IDs can be passed in.	String	No
Watermark	Request.Operation	Watermark template parameter. Same as	Container	No

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		`Request.Watermark` in the watermark template creation API CreateMediaTemplate.		
RemoveWatermark	Request.Operation	Whether to remove the watermark. This parameter is not supported for H.265 currently.	Container	No
DigitalWatermark	Request.Operation	Specifies the digital watermark parameter	Container	No
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` , `1` , `2` . Default value: `0` .	String	No

Note:

For the transcoding parameter, `TemplateId` is used first, and if `TemplateId` is unavailable, `Transcode` is used. For the watermark parameter, `WatermarkTemplateId` or `Watermark` can be used for configuration, and `WatermarkTemplateId` is used first.

`Transcode` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TimeInterval	Request.Operation.Transcode	Same as Request.TimeInterval in the transcoding template creation API CreateMediaTemplate.	Container	No
Container	Request.Operation.Transcode	Same as Request.Container in the transcoding template creation API CreateMediaTemplate.	Container	No
Video	Request.Operation.Transcode	Same as Request.Video in the transcoding template creation API CreateMediaTemplate.	Container	No
Audio	Request.Operation.Transcode	Same as Request.Audio in the	Container	No

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		transcoding template creation API CreateMediaTemplate.		
TransConfig	Request.Operation.Transcode	Same as Request.TransConfig in the transcoding template creation API CreateMediaTemplate.	Container	No
AudioMix	Request.Operation.Transcode	Audio mix parameter as described in Structure.	Container array	No

`RemoveWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Dx	Request.Operation.RemoveWatermark	x-axis offset of the origin in the top-left corner. Value range: [1, 4096]	string	Yes
Dy	Request.Operation.RemoveWatermark	y-axis offset of the origin in the top-left corner. Value range: [1, 4096]	string	Yes
Width	Request.Operation.RemoveWatermark	Width. Value range: [1, 4096]	string	Yes
Height	Request.Operation.RemoveWatermark	Height. Value range: [1, 4096]	string	Yes

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Message	Request.Operation.DigitalWatermark	The string embedded by the digital watermark, which can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).	string	Yes
Type	Request.Operation.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String	Yes

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Version	Request.Operation.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String	Yes
IgnoreError	Request.Operation.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true`, `false` (default value).	string	Yes

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

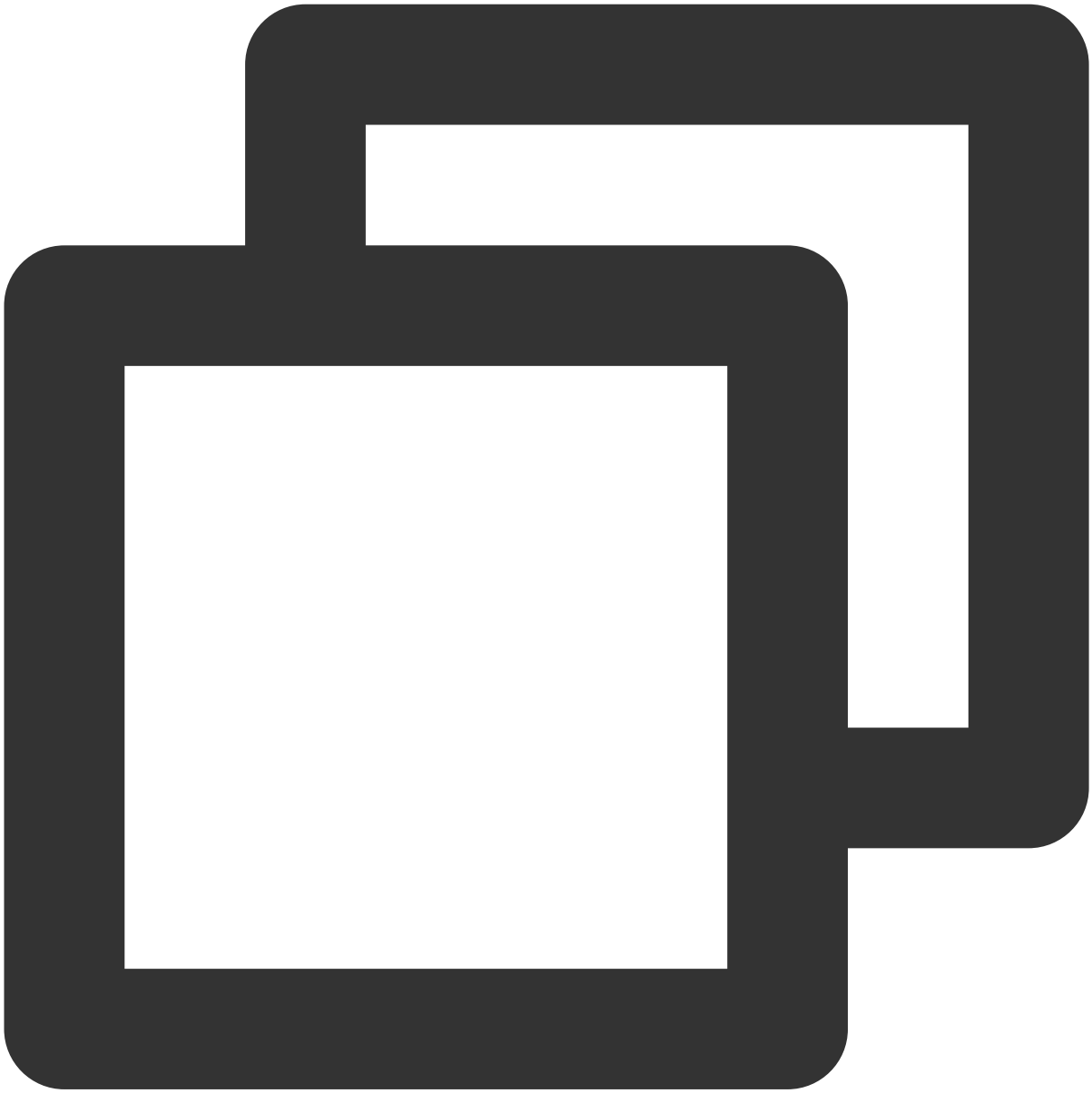
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <Progress>0</Progress>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
```

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```
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>trans_993874</TemplateName>
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <RemoveWatermark>
                <Dx>150</Dx>
                <Dy>150</Dy>
                <Width>75</Width>
                <Height>75</Height>
            </RemoveWatermark>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

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`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: Transcode	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
Progress	Response.JobsDetail	Task progress in percentage, which is returned only if `State` is `Submitted`, `Running`, `Success`, or `Pause`. Value range: [0, 100].	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description

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TemplateId	Response.JobsDetail.Operation	Job template ID
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if `TemplateId` exists.
Transcode	Response.JobsDetail.Operation	Same as `Request.Operation.Transcode` in the request.
Watermark	Response.JobsDetail.Operation	Same as `Request.Operation.Watermark` in the request.
RemoveWatermark	Response.JobsDetail.Operation	Same as `Request.Operation.RemoveWatermark` in the request.
WatermarkTemplateId	Response.JobsDetail.Operation	Watermark template ID.
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.
DigitalWatermark	Response.JobsDetail.Operation	Digital watermark parameter.
UserData	Response.JobsDetail.Operation	The user information passed through.
JobLevel	Response.JobsDetail.Operation	Job priority

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

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`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Message	Response.Operation.DigitalWatermark	The string in the digital watermark successfully embedded in the video, which can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).	string
Type	Response.Operation.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String
Version	Response.Operation.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String
IgnoreError	Response.Operation.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true`, `false` (default value).	string

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State	Response.Operation.DigitalWatermark	Whether the watermark is added successfully. Valid values: `Running`, `Success`, `Failed`.	string

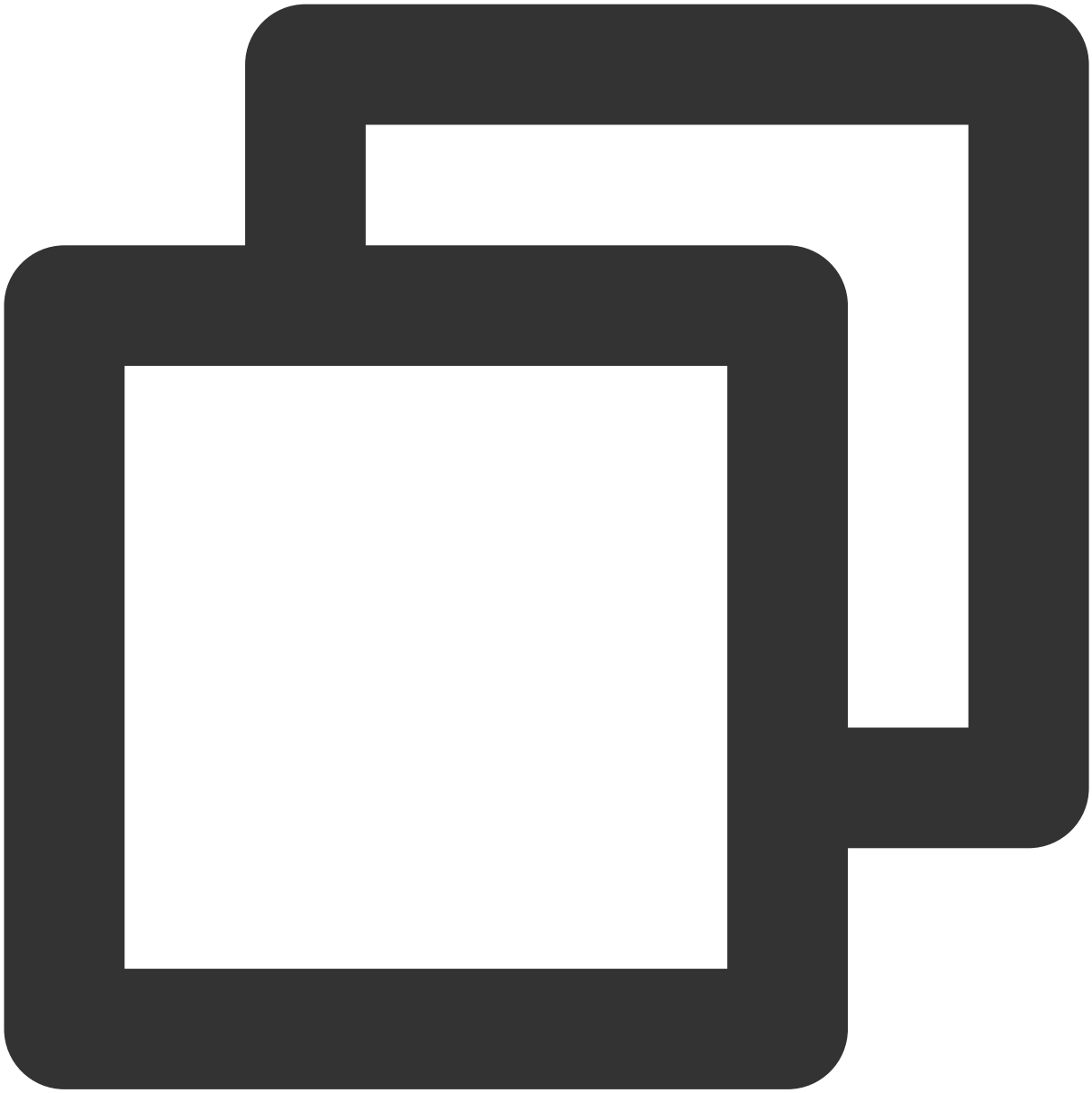
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1. Using the transcoding template ID

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```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

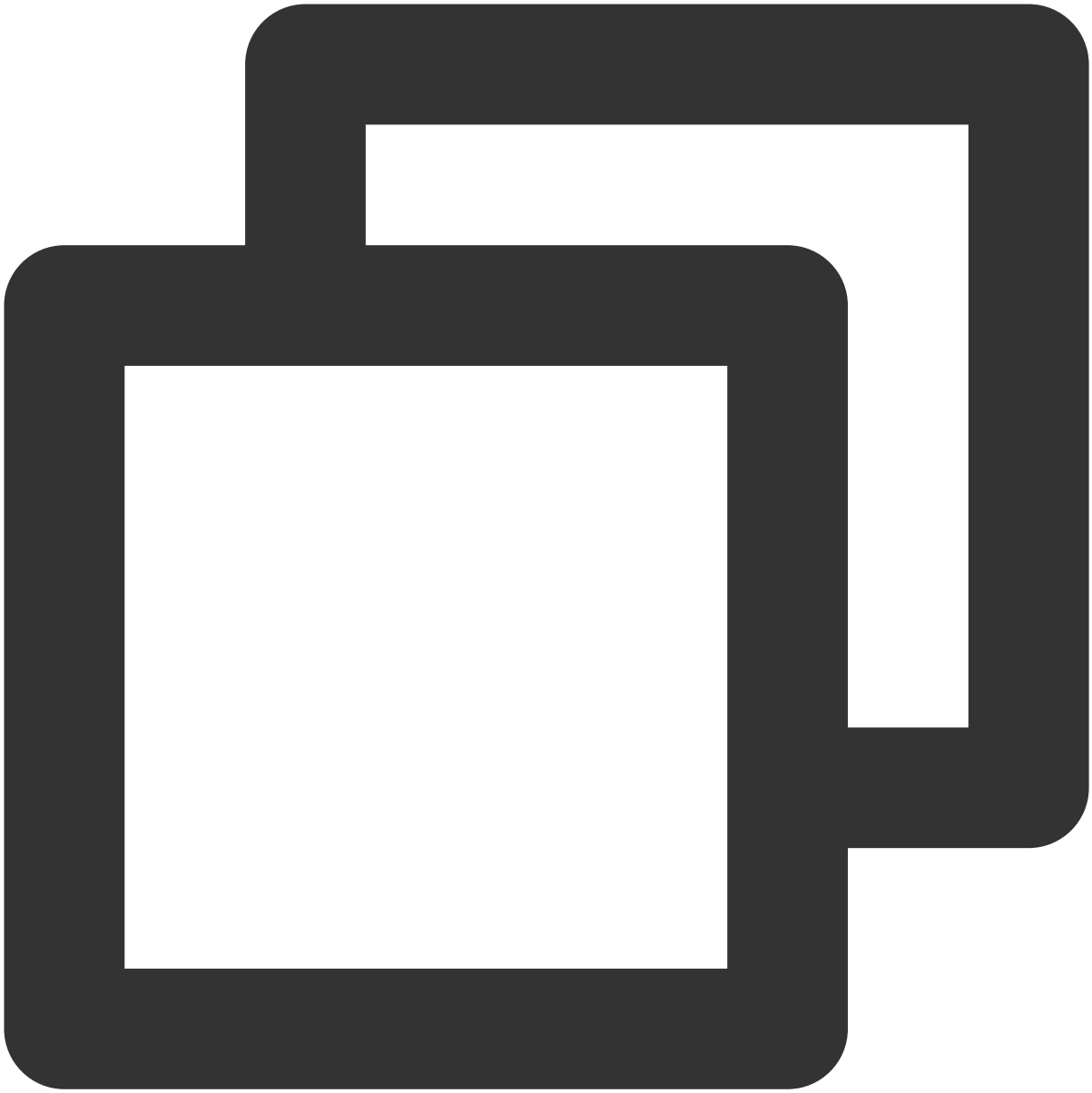
<Request>
    <Tag>Transcode</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTemplateI
        <RemoveWatermark>
            <Dx>150</Dx>
            <Dy>150</Dy>
            <Width>75</Width>
            <Height>75</Height>
        </RemoveWatermark>
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response 1

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

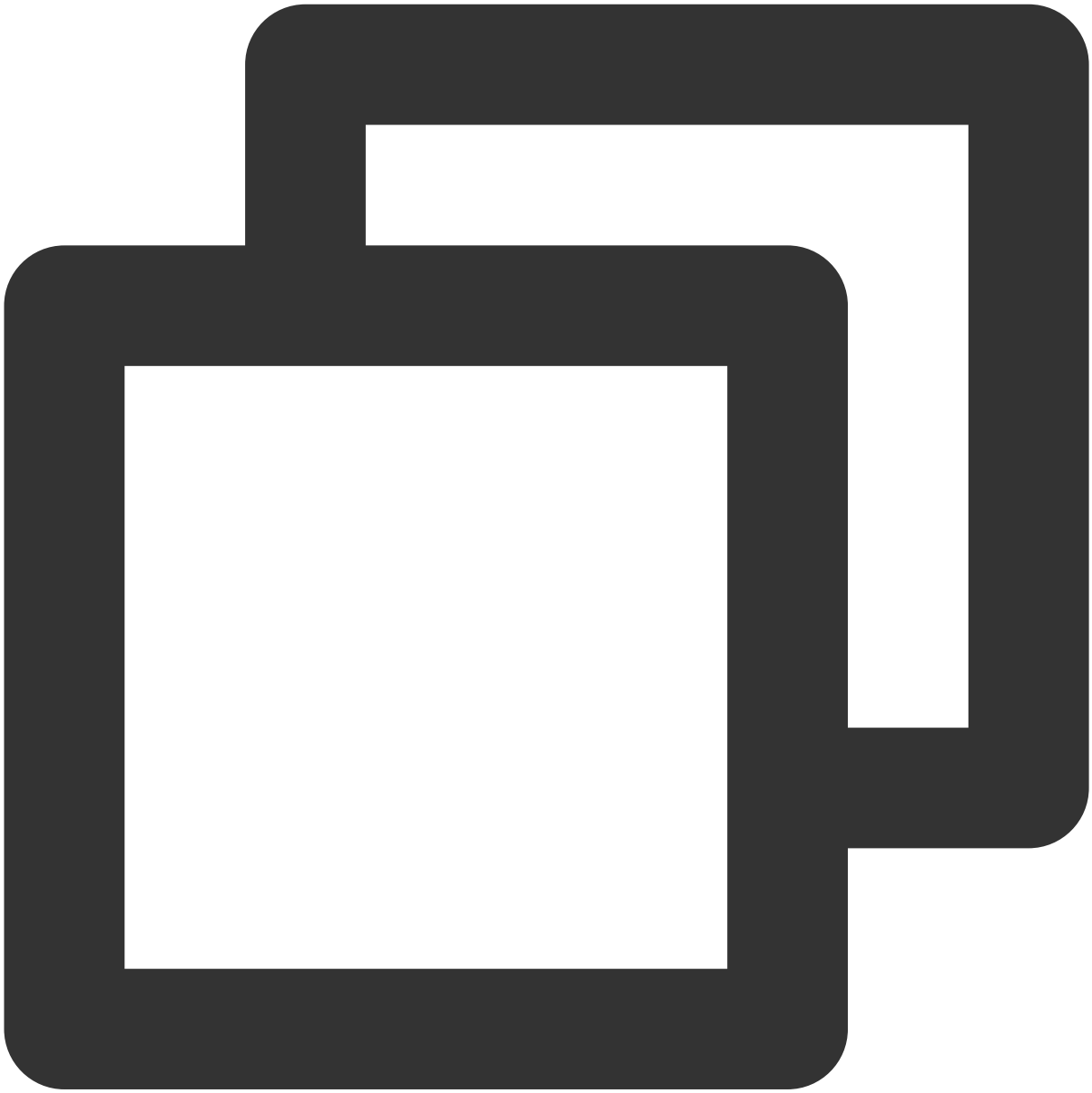
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <Progress>0</Progress>
        <CreationTime>2022-06-27T15:23:11+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>trans_993874</TemplateName>
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <RemoveWatermark>
                <Dx>150</Dx>
                <Dy>150</Dy>
                <Width>75</Width>
                <Height>75</Height>
            </RemoveWatermark>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2. Using the transcoding processing parameter

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>Transcode</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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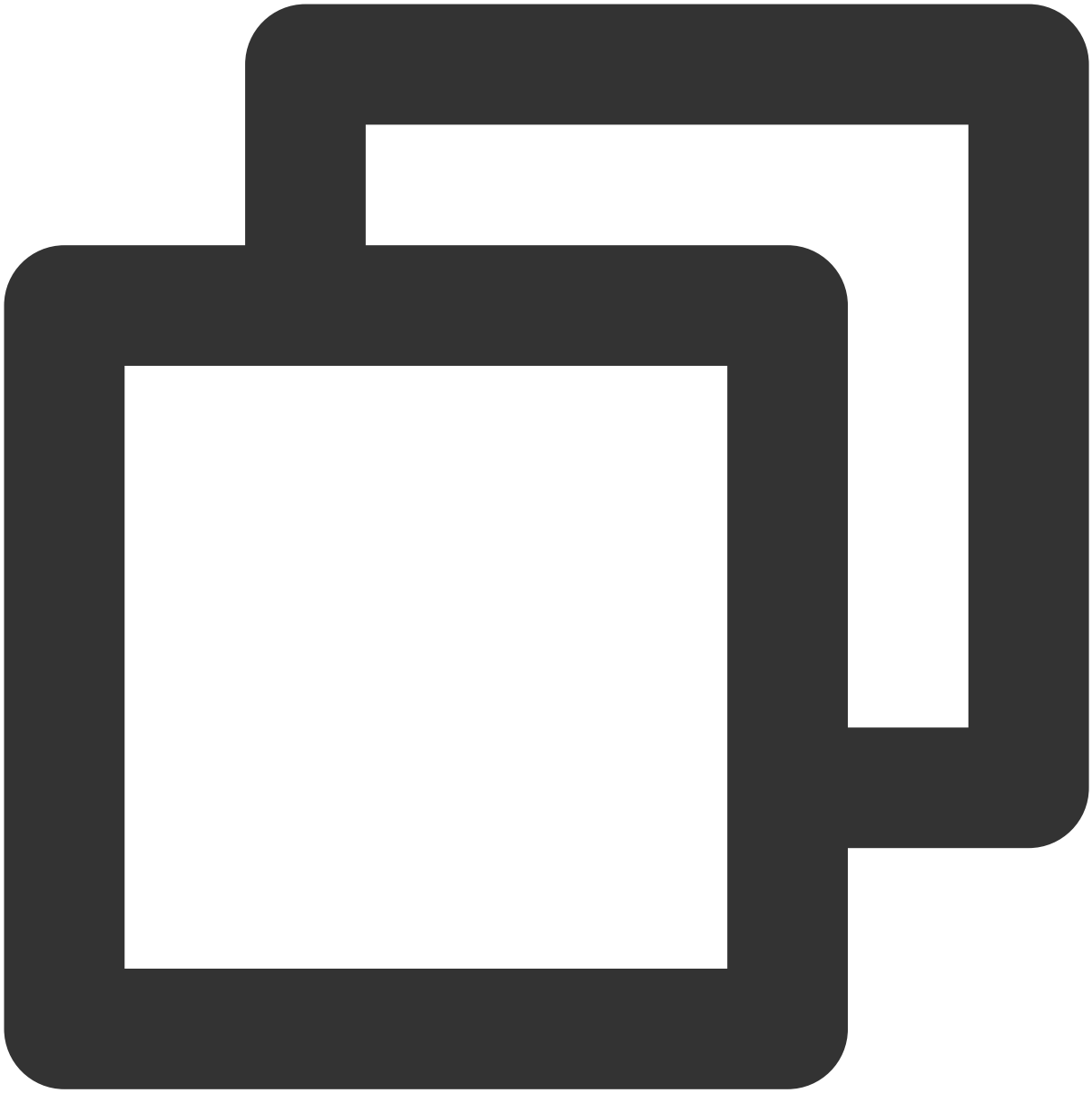
```
    <Operation>
        <Transcode>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Profile>high</Profile>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Preset>medium</Preset>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <AdjDarMethod>scale</AdjDarMethod>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
                <EffectConfig>
                    <EnableStartFadein>true</EnableStartFadein>
                    <StartFadeinTime>3</StartFadeinTime>
                    <EnableEndFadeout>false</EnableEndFadeout>
                    <EndFadeoutTime>0</EndFadeoutTime>
                    <EnableBgmFade>true</EnableBgmFade>
                    <BgmFadeTime>1.7</BgmFadeTime>
                </EffectConfig>
            </AudioMix>
        </Transcode>
        <Watermark>
            <Type>Text</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
```

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```
            <Pos>TopRight</Pos>
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Text>
                <Text>Watermark content</Text>
                <FontSize>30</FontSize>
                <FontType>simfang.ttf</FontType>
                <FontColor>0xRRGGBB</FontColor>
                <Transparency>30</Transparency>
            </Text>
        </Watermark>
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response 2

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <Progress>0</Progress>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Transcode>
                <Container>
                    <Format>mp4</Format>
                </Container>
                <Video>
                    <Codec>H.264</Codec>
                    <Profile>high</Profile>
                    <Bitrate>1000</Bitrate>
                    <Width>1280</Width>
                    <Fps>30</Fps>
                    <Preset>medium</Preset>
                </Video>
                <Audio>
                    <Codec>aac</Codec>
                    <Samplerate>44100</Samplerate>
                    <Bitrate>128</Bitrate>
                    <Channels>4</Channels>
                </Audio>
                <TransConfig>
                    <AdjDarMethod>scale</AdjDarMethod>
                    <IsCheckReso>false</IsCheckReso>
                    <ResoAdjMethod>1</ResoAdjMethod>
                </TransConfig>
                <TimeInterval>
                    <Start>0</Start>
                    <Duration>60</Duration>
                </TimeInterval>
                <AudioMix>
                    <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix
                    <MixMode>Once</MixMode>
                    <Replace>true</Replace>
                    <EffectConfig>
```

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```
                    <EnableStartFadein>true</EnableStartFadein>
                    <StartFadeinTime>3</StartFadeinTime>
                    <EnableEndFadeout>false</EnableEndFadeout>
                    <EndFadeoutTime>0</EndFadeoutTime>
                    <EnableBgmFade>true</EnableBgmFade>
                    <BgmFadeTime>1.7</BgmFadeTime>
                </EffectConfig>
            </AudioMix>
        </Transcode>
        <Watermark>
            <Type>Text</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
            <Pos>TopRight</Pos>
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Text>
                <Text>Watermark content</Text>
                <FontSize>30</FontSize>
                <FontType></FontType>
                <FontColor>0xRRGGBB</FontColor>
                <Transparency>30</Transparency>
            </Text>
        </Watermark>
        <RemoveWatermark>
            <Dx>150</Dx>
            <Dy>150</Dy>
            <Width>75</Width>
            <Height>75</Height>
        </RemoveWatermark>
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
            <State>Running</State>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
</JobsDetail>
```

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```
</Response>
```

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Submitting Text-to-Speech Job

Last updated：2024-02-27 15:42:23

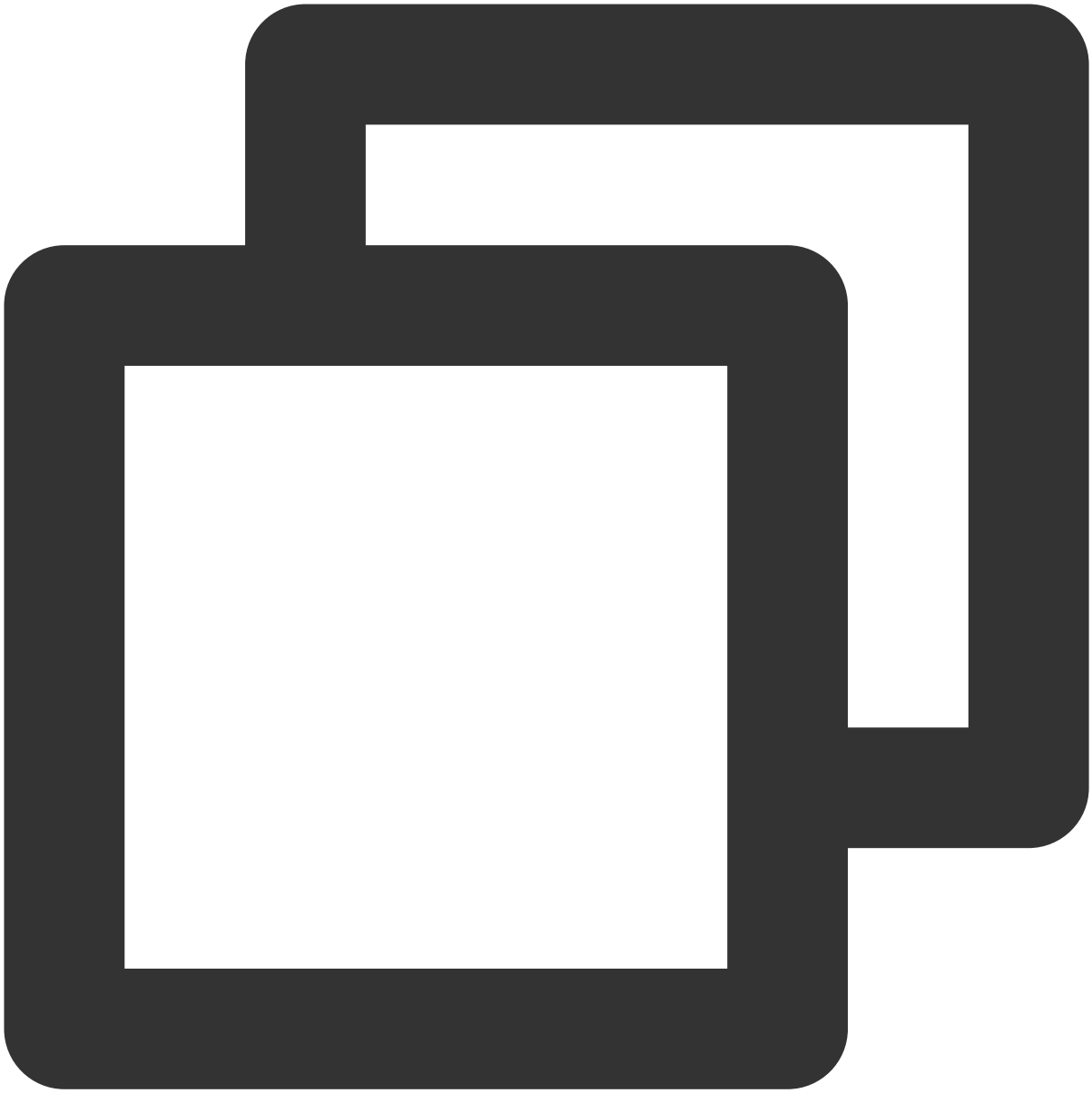
Feature Description

This API is used to submit a text-to-speech job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

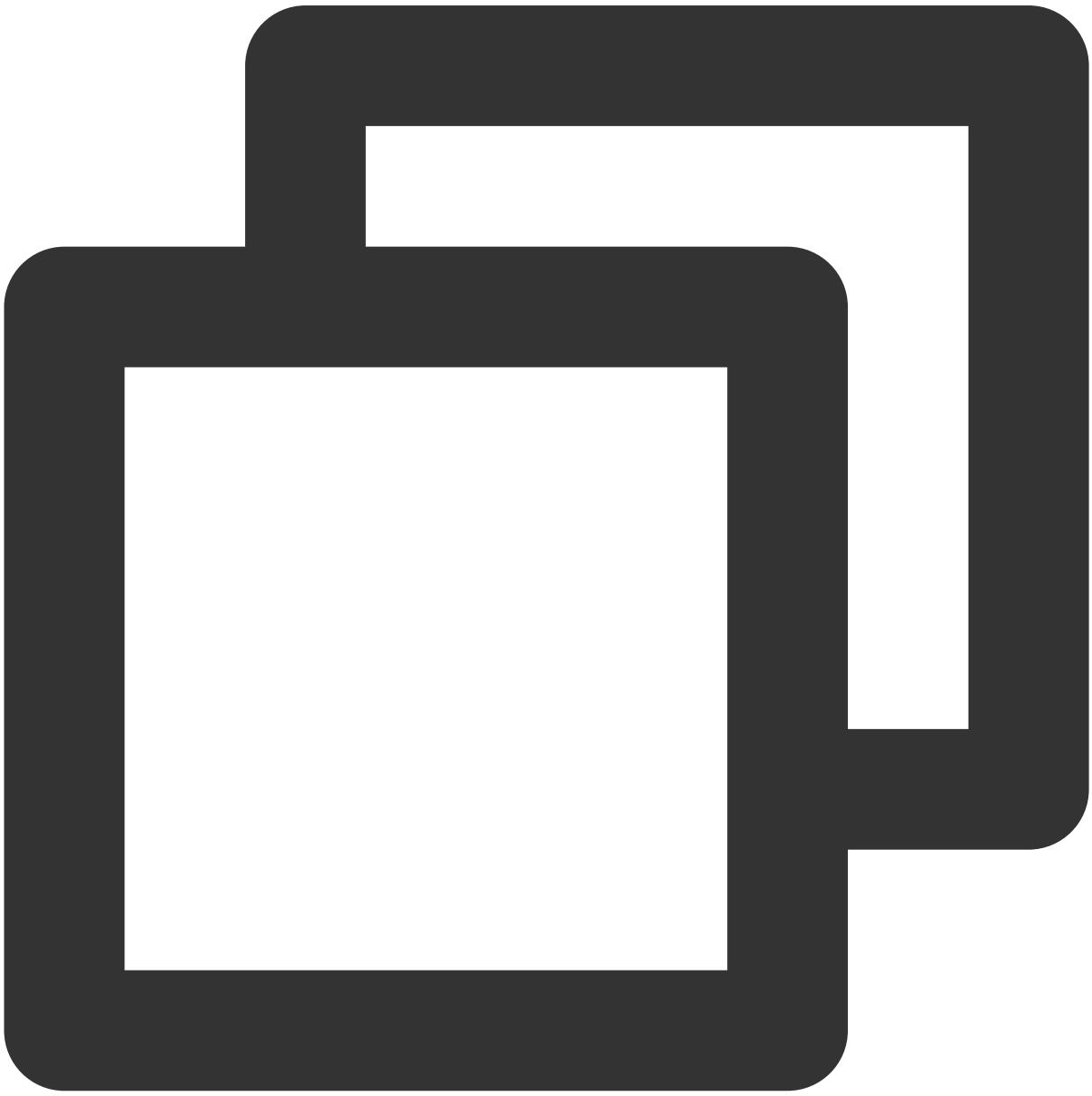
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Tts</Tag>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <TtsConfig>
            <Input>Abed, I see a silver light. I wonder if it's frost around.</Inpu
            <InputType>Text</InputType>
        </TtsConfig>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>demo.mp3</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type: Tts	String	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TtsTpl	Request.Operation	Text-to-speech job parameter	Container	No
TemplateId	Request.Operation	Template ID	String	No
TtsConfig	Request.Operation	Text-to-speech job parameter	Container	Yes
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

Note:

`TemplateId` is used first. If `TemplateId` is unavailable, `TtsTpl` is used.

`TtsTpl` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Mode	Request.Operation.TtsTpl	Same as Request.Mode in the text-to-speech template creation API CreateMediaTemplate.	String	No
Codec	Request.Operation.TtsTpl	Same as Request.Codec in the text-to-speech template creation API CreateMediaTemplate.	String	No
VoiceType	Request.Operation.TtsTpl	Same as Request.VoiceType in the	String	No

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		text-to-speech template creation API CreateMediaTemplate.		
Volume	Request.Operation.TtsTpl	Same as Request.Volume in the text-to-speech template creation API CreateMediaTemplate.	String	No
Speed	Request.Operation.TtsTpl	Same as Request.Speed in the text-to-speech template creation API CreateMediaTemplate.	String	No

`TtsConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
InputType	Request.Operation.TtsConfig	Input type. Valid values: `Url`, `Text`.	String	Yes
Input	Request.Operation.TtsConfig	1. When InputType is URL, the value must be a valid COS address, and the file must be UTF-8 encoded and no more than 10 MB in size. If the synthesis method specified in the template is sync processing, the file can contain up to 300 UTF-8 characters; if the method is async processing, the file can contain up to 10,000 UTF-8 characters. 2. When InputType is Text, the input can be up to 300 UTF-8 characters.	String	Yes

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Result filename.	String	Yes

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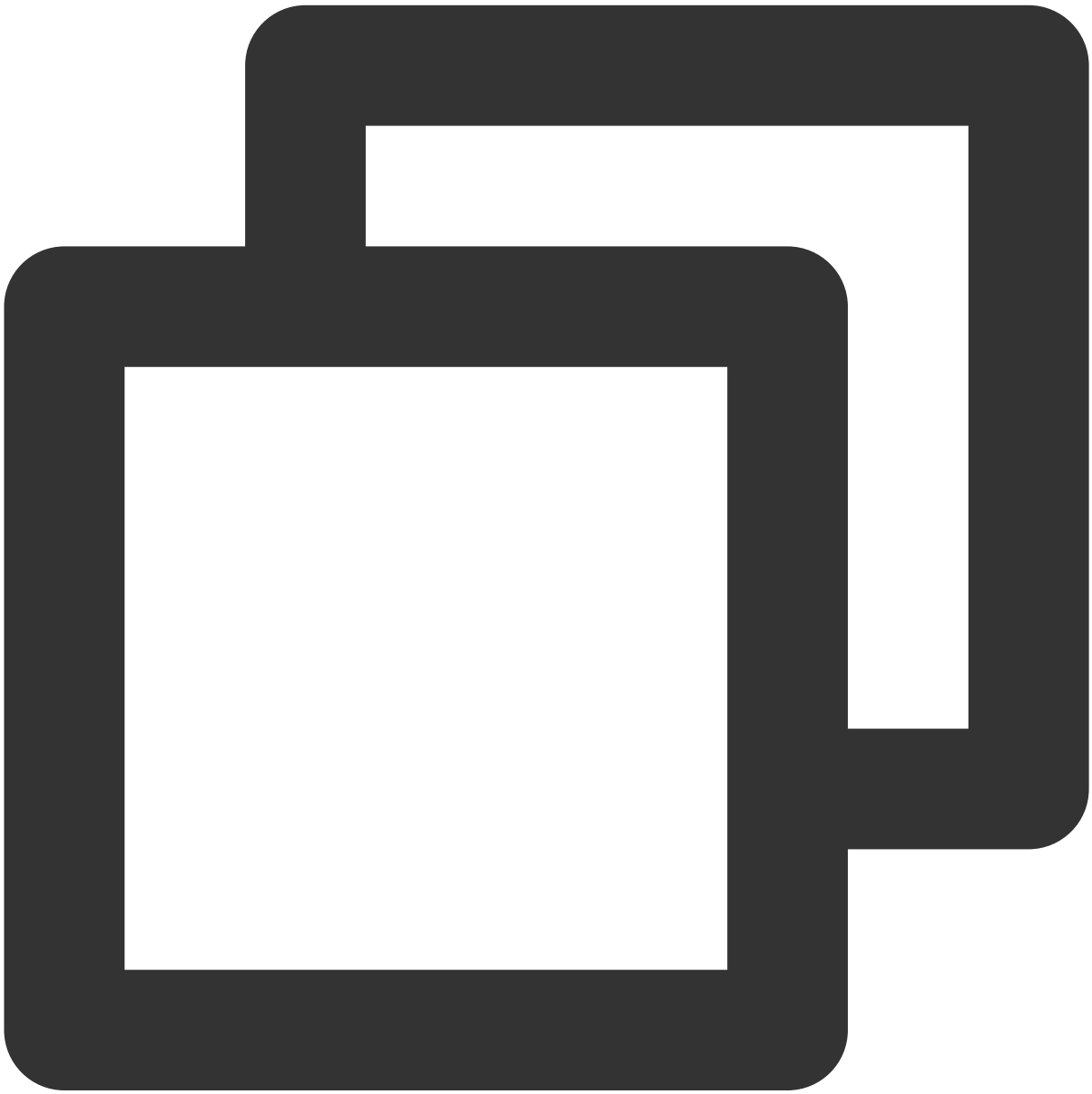
Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <JobsDetail>
```

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```
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Tts</Tag>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>tts_demo</TemplateName>
            <TtsConfig>
                <Input>Abed, I see a silver light. I wonder if it's frost around.</
                <InputType>Text</InputType>
            </TtsConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/tts.mp3</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String

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Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: Tts	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Operation	Response.JobsDetail	Operation rule	Container

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if `TemplateId` exists.	String
TtsTpl	Response.JobsDetail.Operation	Same as `Request.Operation.TtsTpl` in the request.	Container
TtsConfig	Response.JobsDetail.Operation	Same as `Request.Operation.TtsConfig` in the request.	Container
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.	Container

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MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

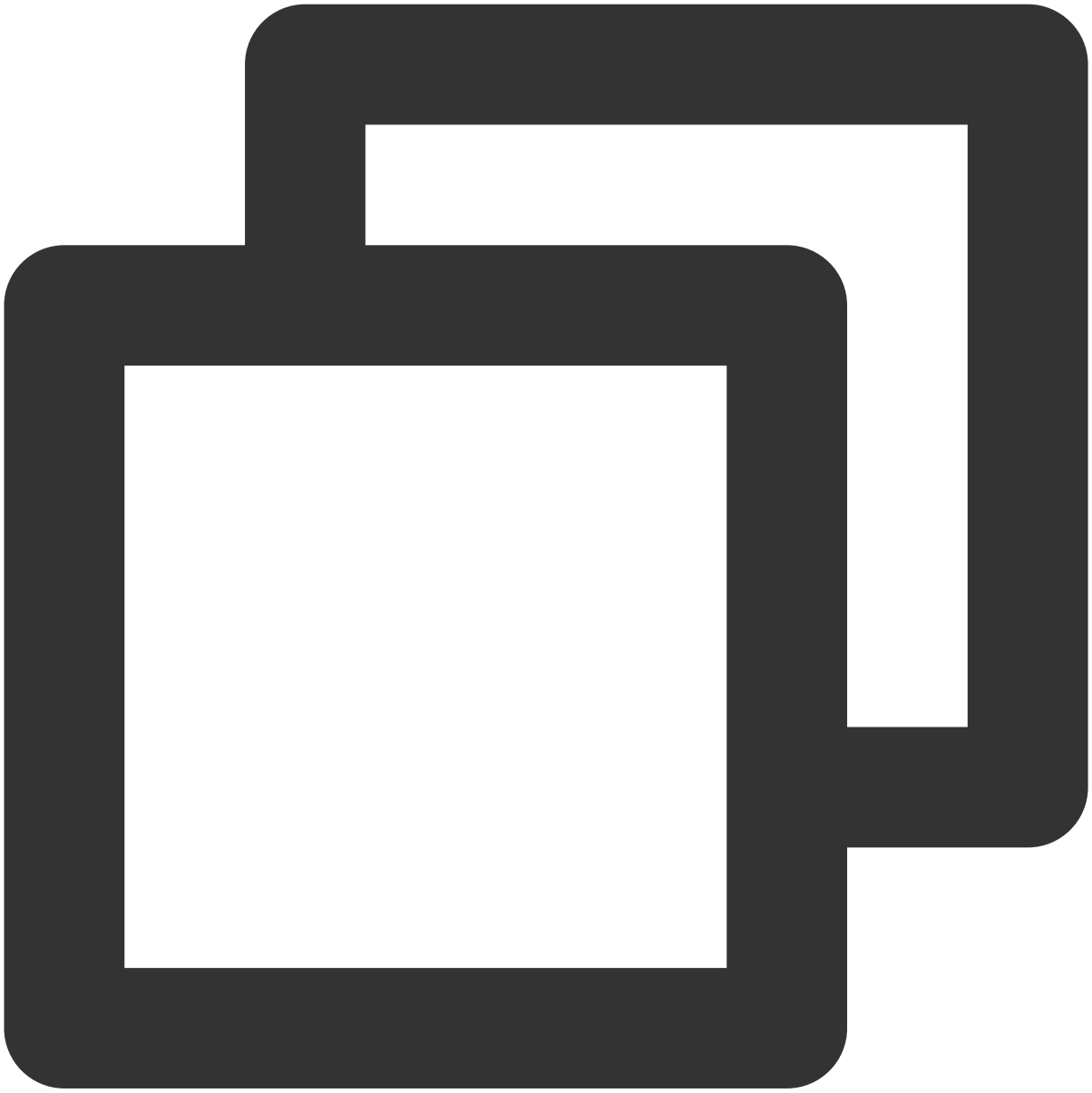
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Samples

Request 1. Using the text-to-speech template ID



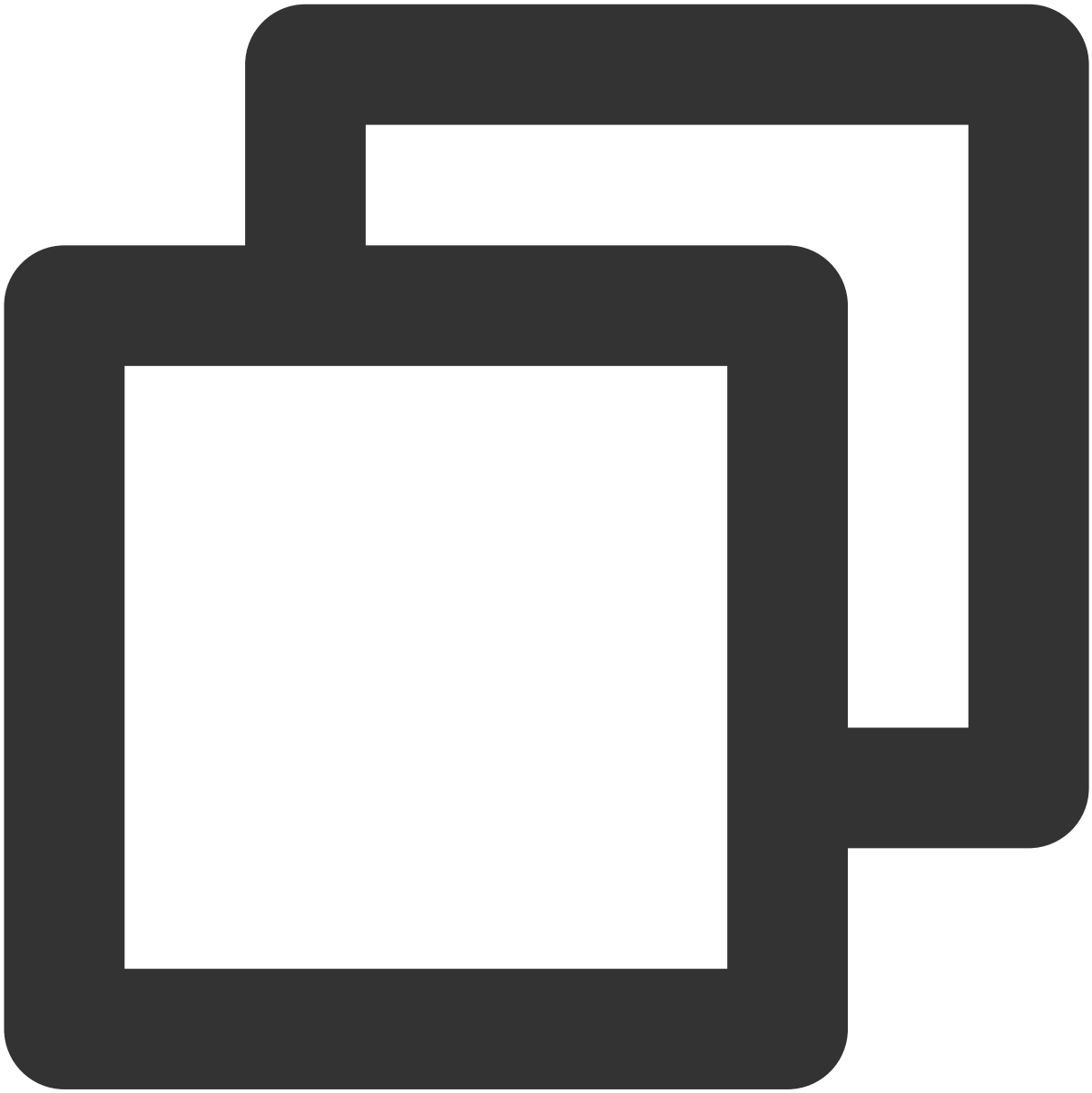
```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml
```

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```
<Request>
    <Tag>Tts</Tag>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <TtsConfig>
            <Input>Abed, I see a silver light. I wonder if it's frost around.</Inpu
            <InputType>Text</InputType>
        </TtsConfig>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>demo.mp3</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

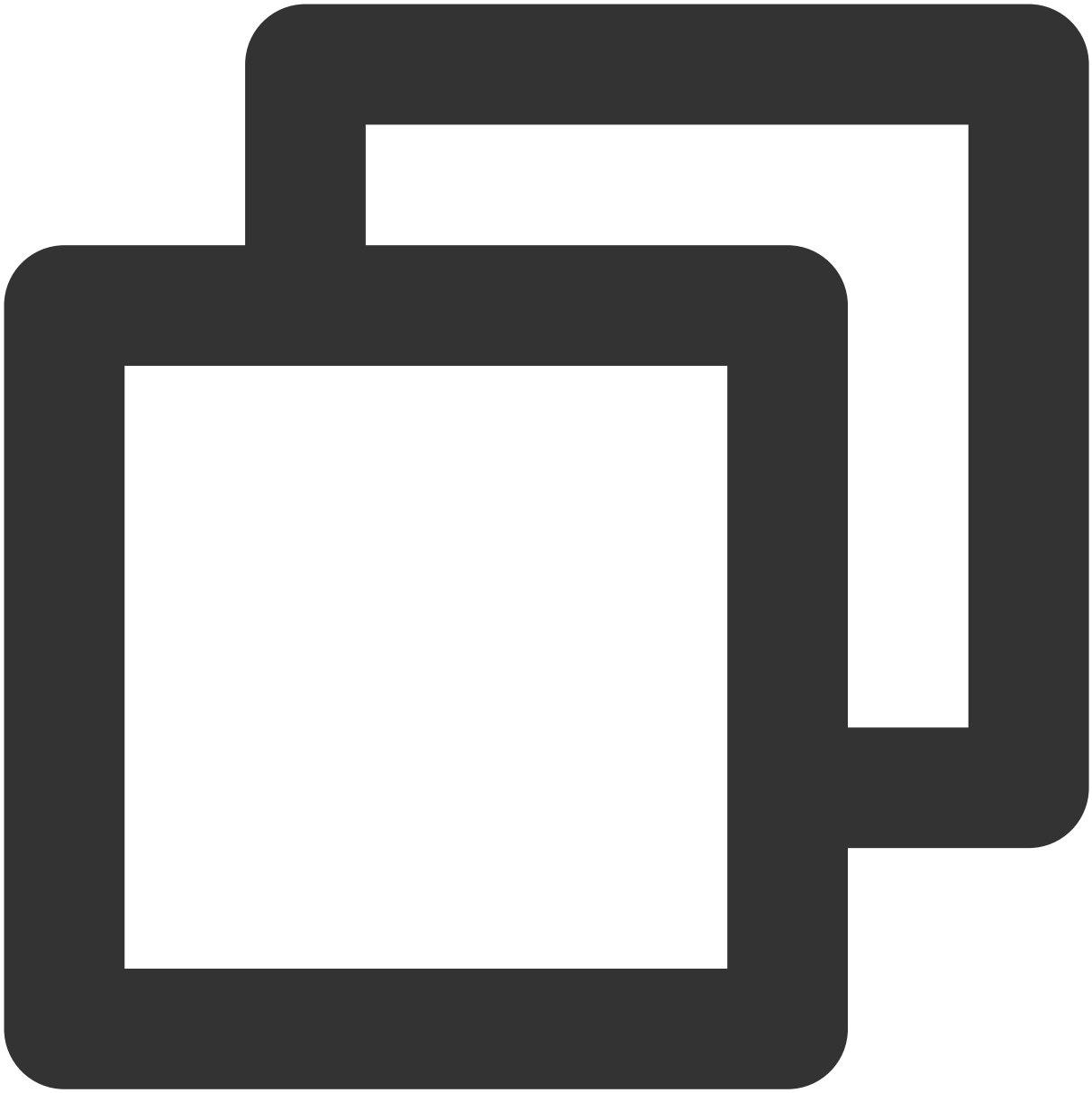
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Tts</Tag>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>tts_demo</TemplateName>
            <TtsConfig>
                <Input>Abed, I see a silver light. I wonder if it's frost around.</
                <InputType>Text</InputType>
            </TtsConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/tts.mp3</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 1. Using the text-to-speech parameter

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```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

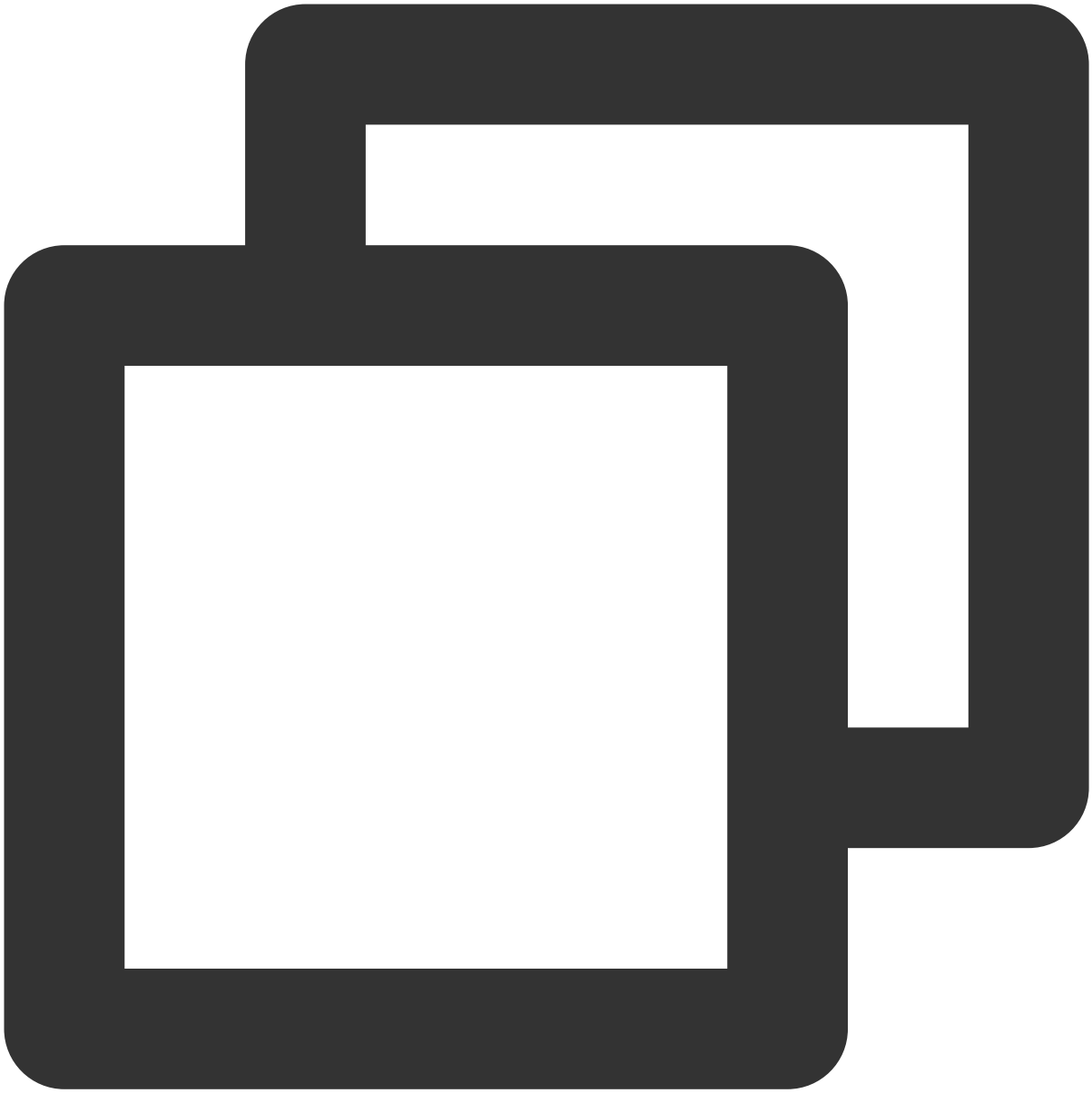
<Request>
    <Tag>Tts</Tag>
    <Operation>
        <TtsTpl>
            <Codec>mp3</Codec>
```

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```
            <Mode>Sync</Mode>
            <Speed>100</Speed>
            <VoiceType>aixiaonan</VoiceType>
            <Volume>0</Volume>
        </TtsTpl>
        <TtsConfig>
            <Input>Abed, I see a silver light. I wonder if it's frost around.</Inpu
            <InputType>Text</InputType>
        </TtsConfig>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>demo.mp3</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Tts</Tag>
        <Operation>
            <TtsTpl>
                <Codec>mp3</Codec>
                <Mode>Sync</Mode>
                <Speed>100</Speed>
                <VoiceType>aixiaonan</VoiceType>
                <Volume>0</Volume>
            </TtsTpl>
            <TtsConfig>
                <Input>Abed, I see a silver light. I wonder if it's frost around.</
                <InputType>Text</InputType>
            </TtsConfig>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/tts.mp3</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Video Montage Job

Last updated：2024-02-27 15:42:23

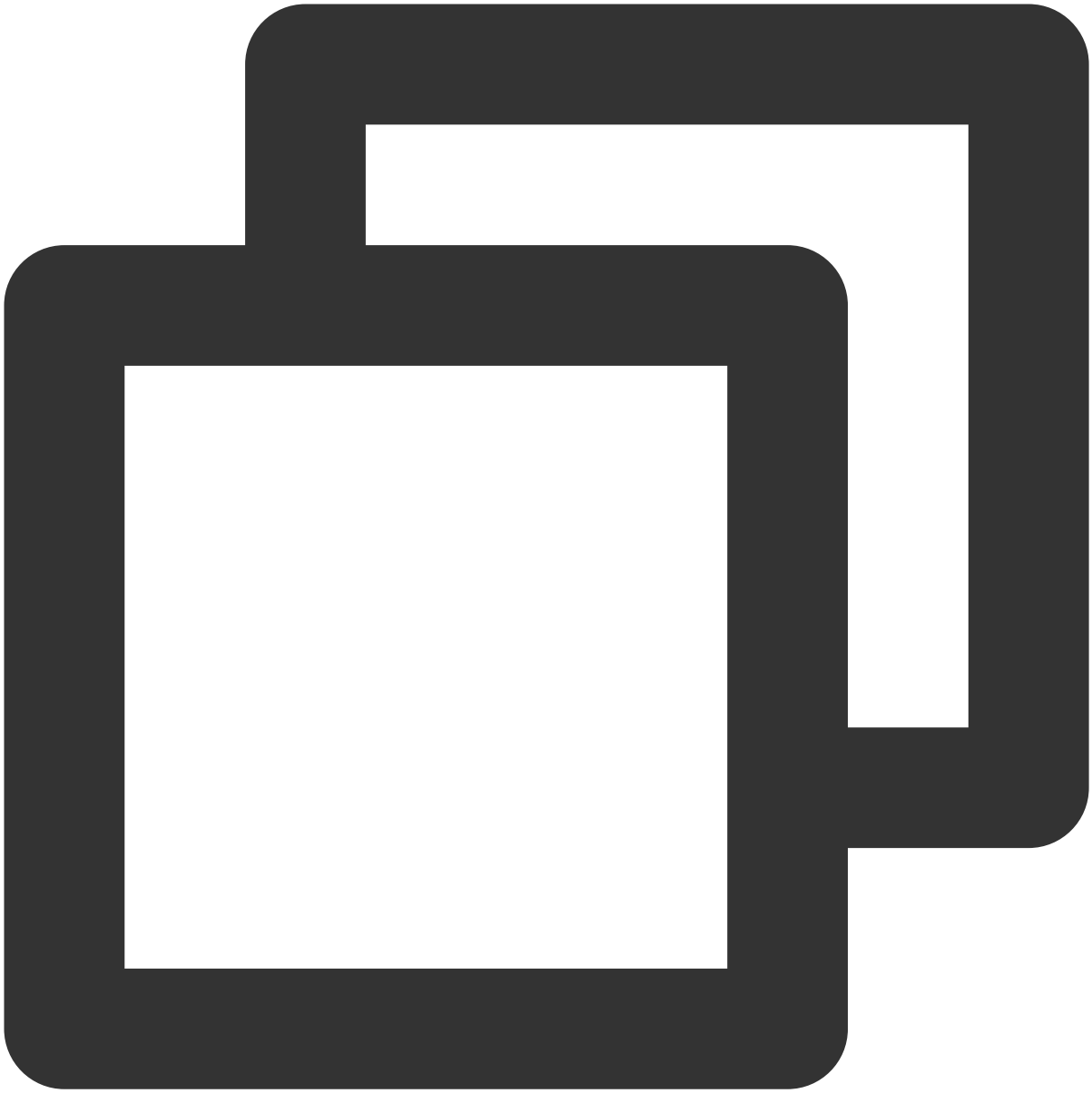
Feature Description

This API is used to submit a video montage job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

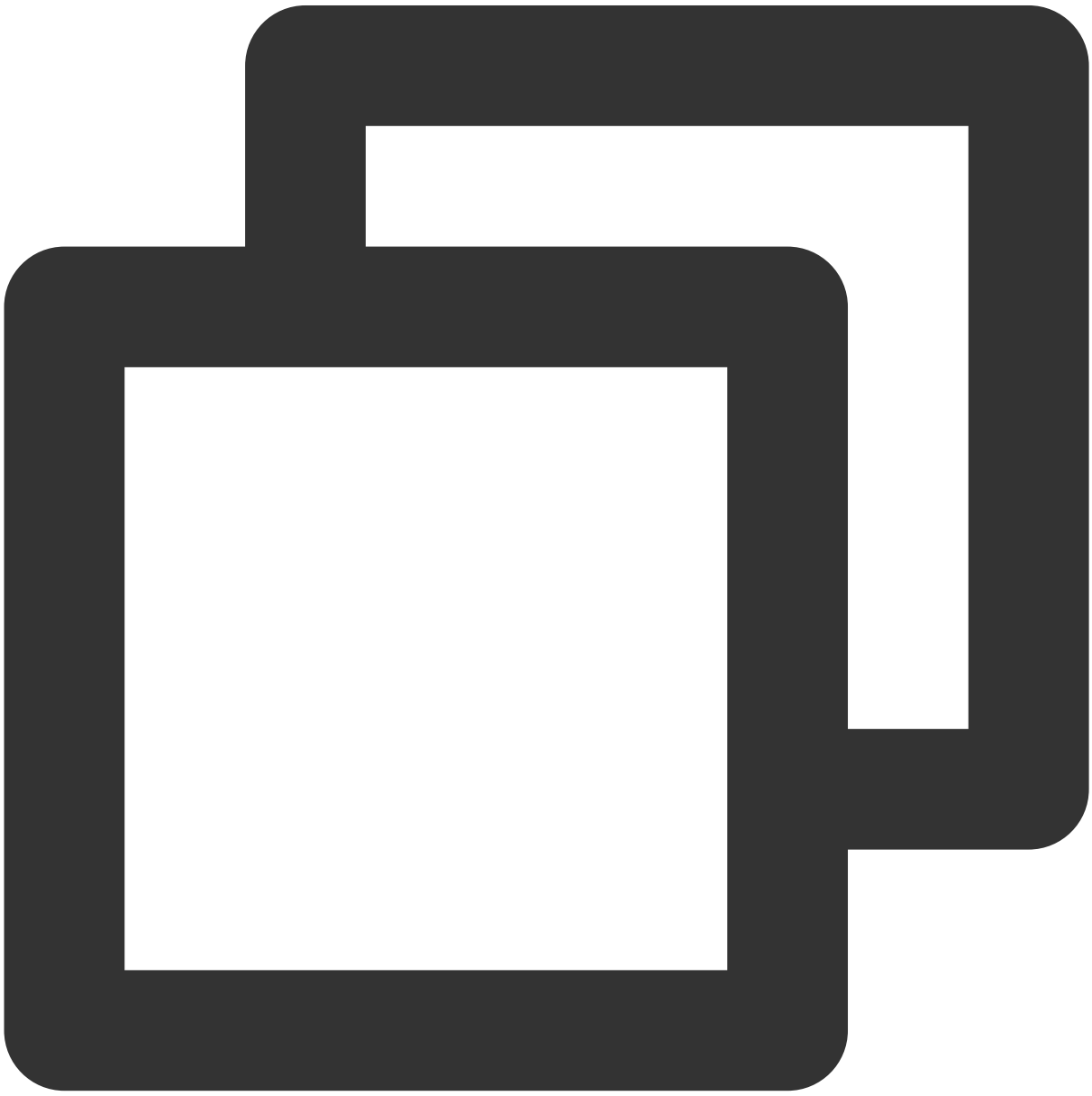
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VideoMontage</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: VideoMontage	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
VideoMontage	Request.Operation	Video montage template parameter	Container	No
TemplateId	Request.Operation	Template ID	String	No
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

Note:

`TemplateId` is used first. If `TemplateId` is unavailable, `VideoMontage` is used.

`VideoMontage` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TimeInterval	Request.Operation.Transcode	Same as Request.TimeInterval in the transcoding template	Container	No

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		creation API CreateMediaTemplate.		
Container	Request.Operation.Transcode	Same as Request.Container in the transcoding template creation API CreateMediaTemplate.	Container	No
Video	Request.Operation.Transcode	Same as Request.Video in the transcoding template creation API CreateMediaTemplate.	Container	No
Audio	Request.Operation.Transcode	Same as Request.Audio in the transcoding template creation API CreateMediaTemplate.	Container	No
TransConfig	Request.Operation.Transcode	Same as Request.TransConfig in the transcoding template creation API CreateMediaTemplate.	Container	No
AudioMix	Request.Operation.Transcode	Audio mix parameter as described in Structure.	Container array	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

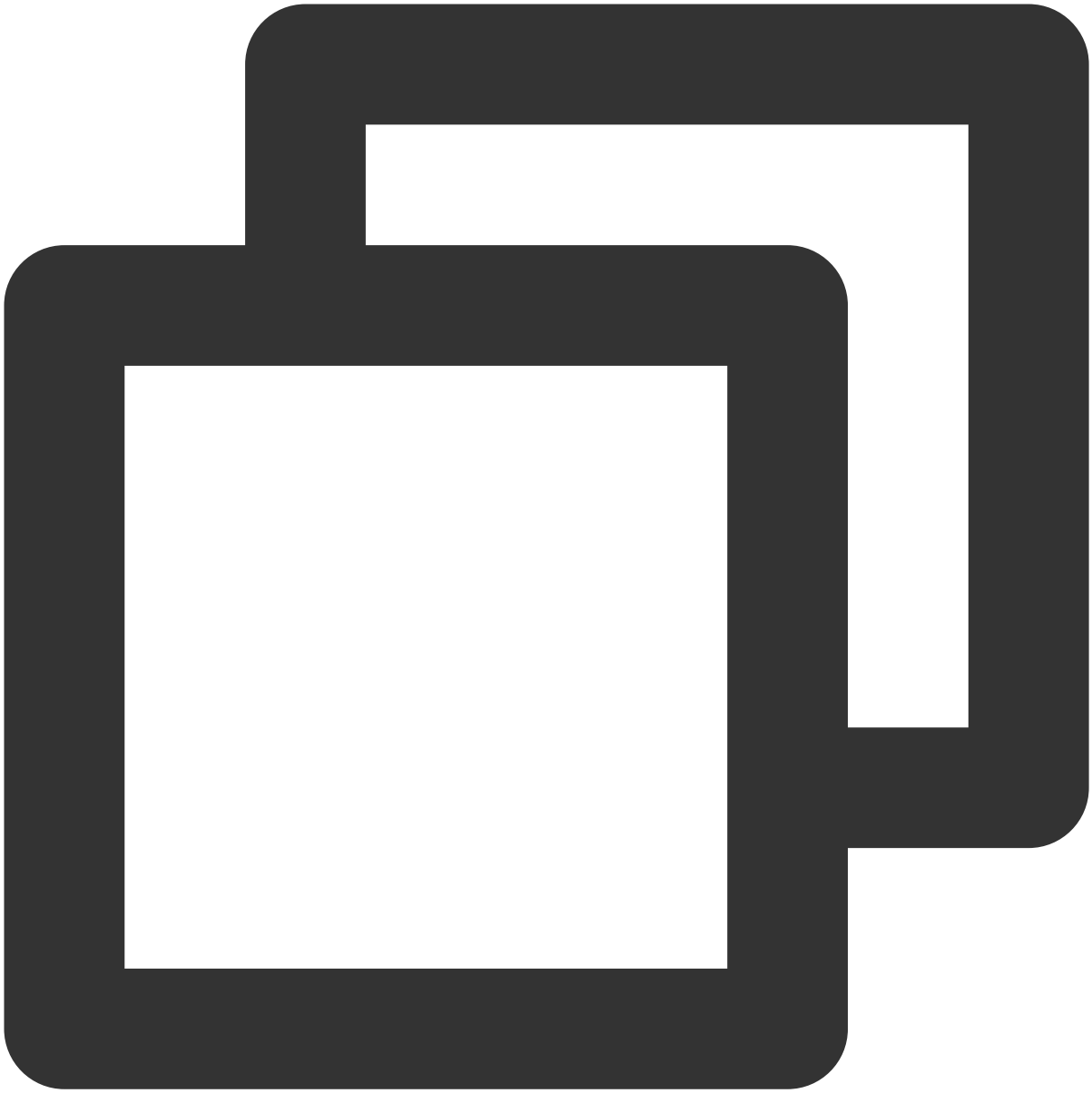
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VideoMontage</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>videomontage_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: VideoMontage	String
State	Response.JobsDetail	Job status. Valid values: `Submitted` ,	String

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		`Running` , `Success` , `Failed` , `Pause` , `Cancel` .	
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
VideoMontage	Response.JobsDetail.Operation	Same as `Request.Operation.VideoMontage` in the request.	Container
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if `TemplateId` exists.	String
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
MediaInfo	Response.JobsDetail.Operation	Output video information, which will not be returned when the job is not completed.	Container
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will	Container

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		not be returned when the job is not completed.	
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

Error codes

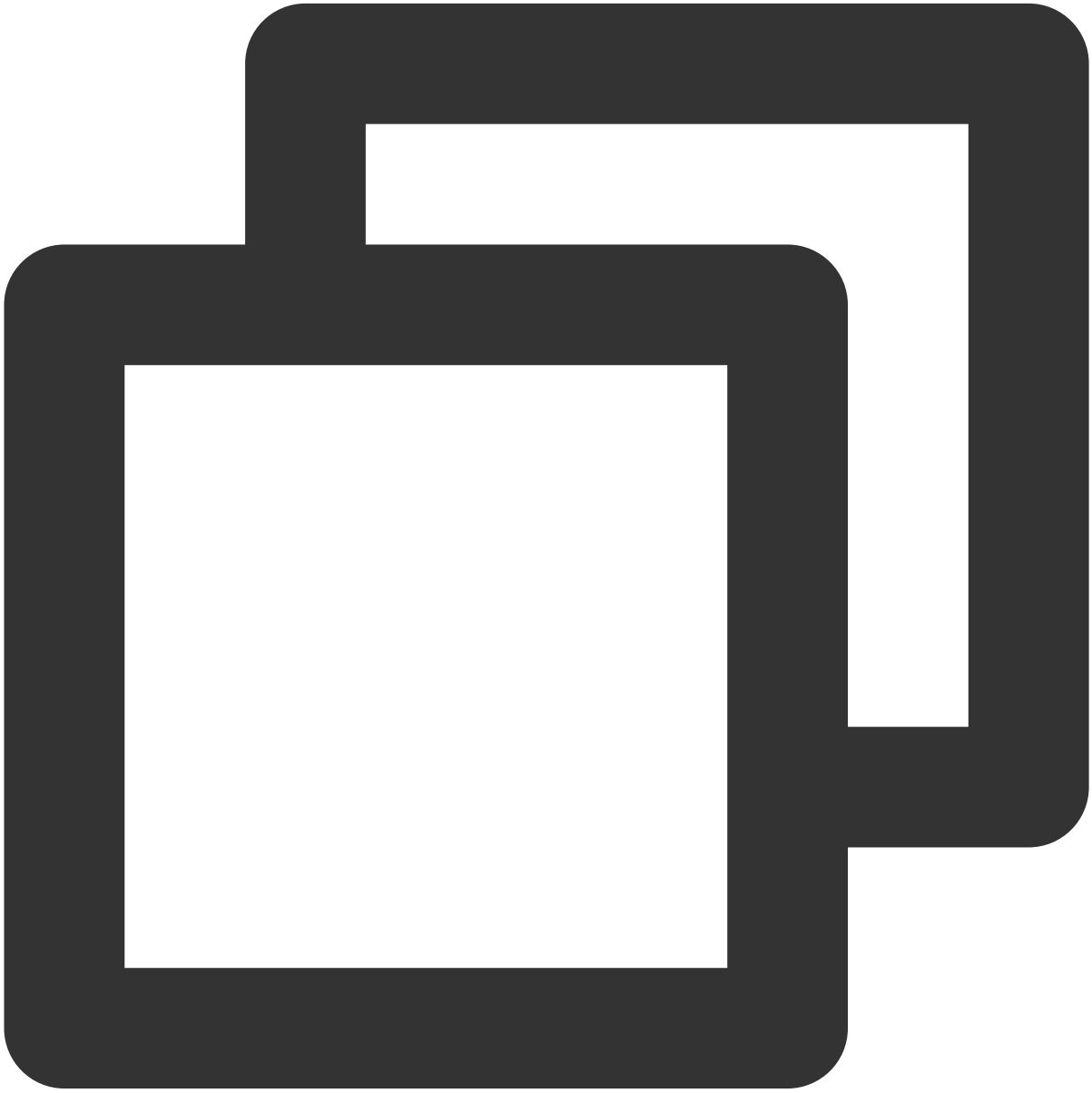
There are no special error messages for this request. For common error messages, see Error Codes.

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Samples

Sample 1. Using the video montage template ID

Request



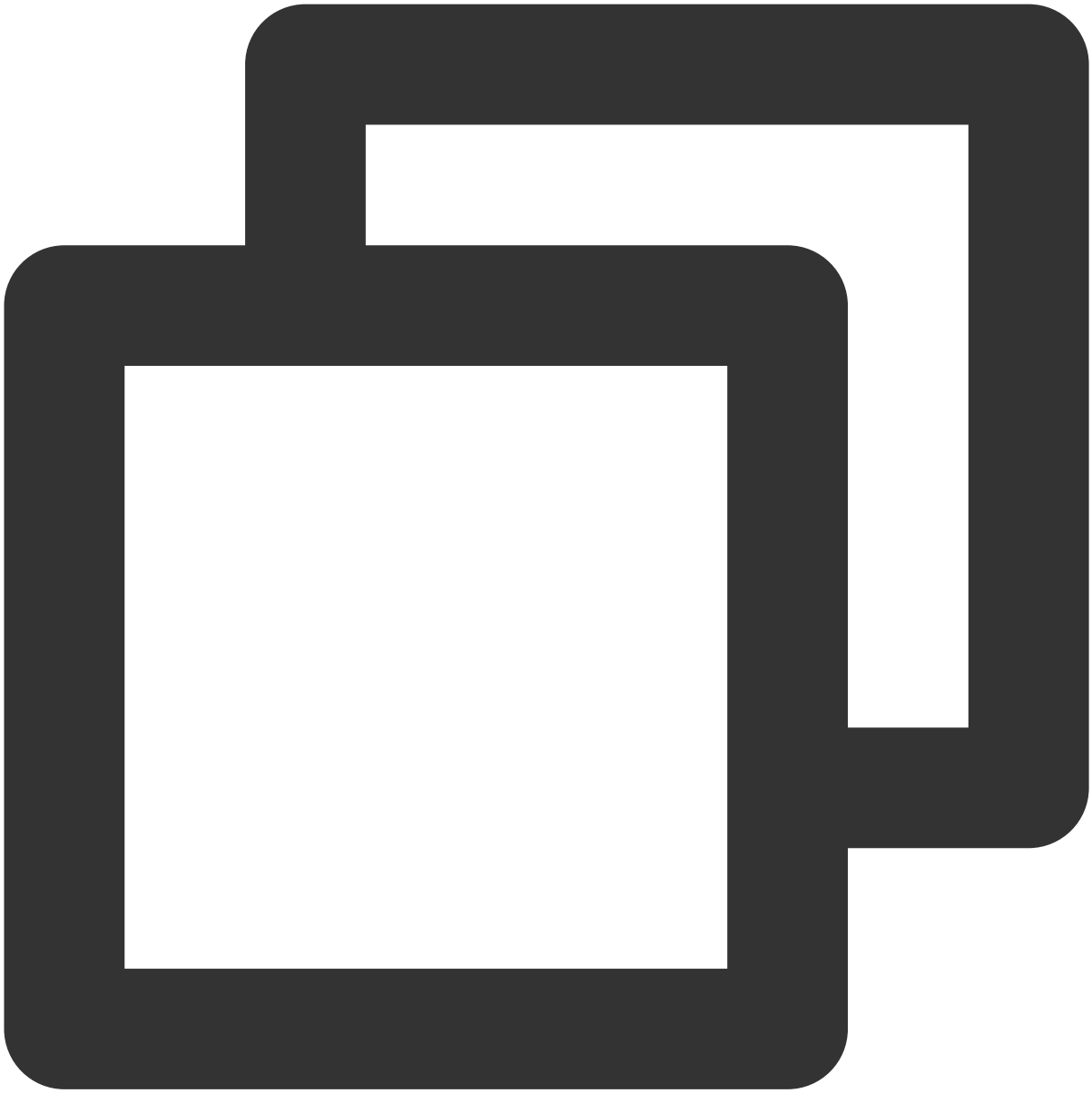
```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml
```

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```
<Request>
    <Tag>VideoMontage</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

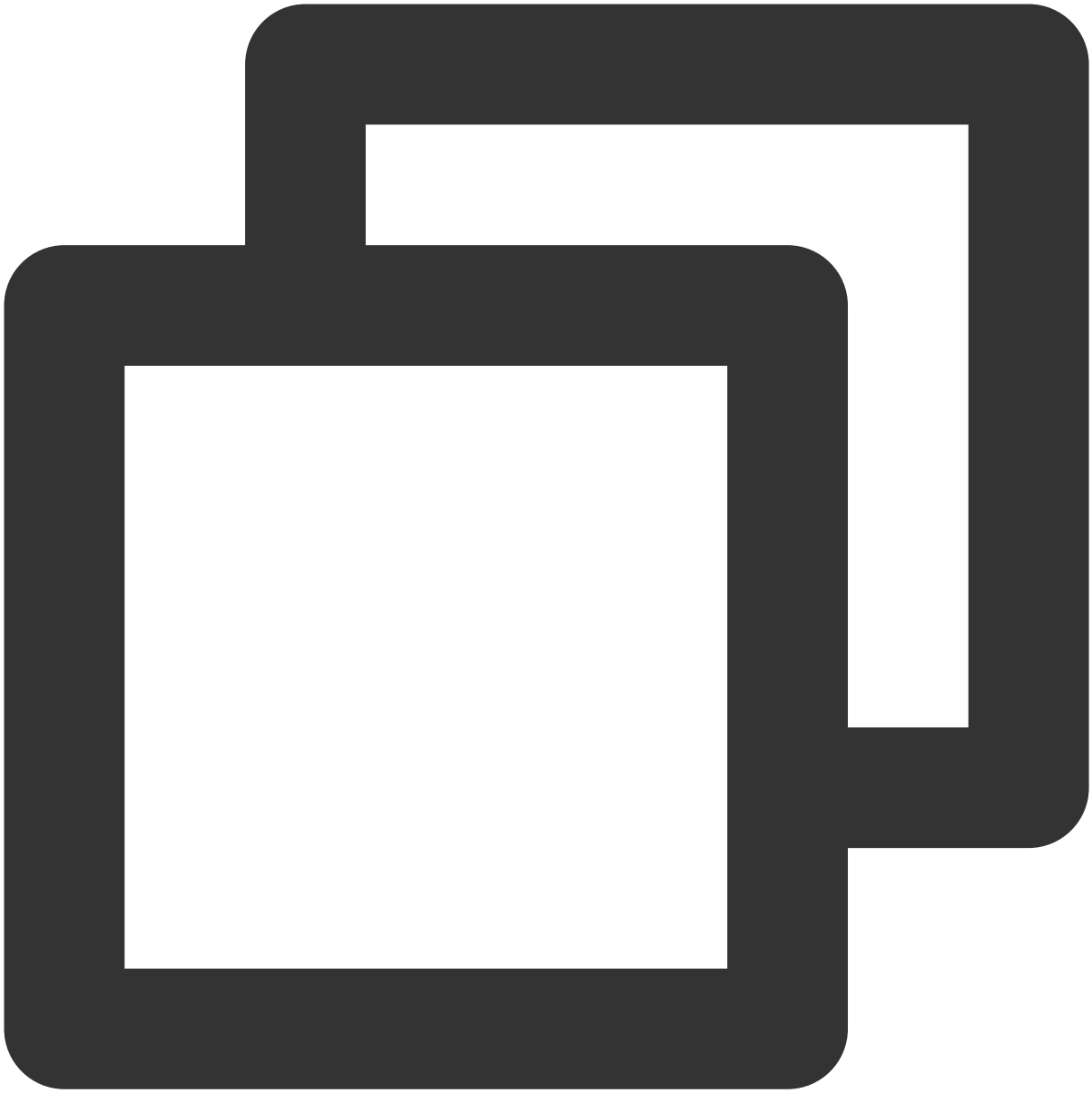
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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VideoMontage</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>videomontage_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Sample 2. Using the video montage processing parameter

Request

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```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

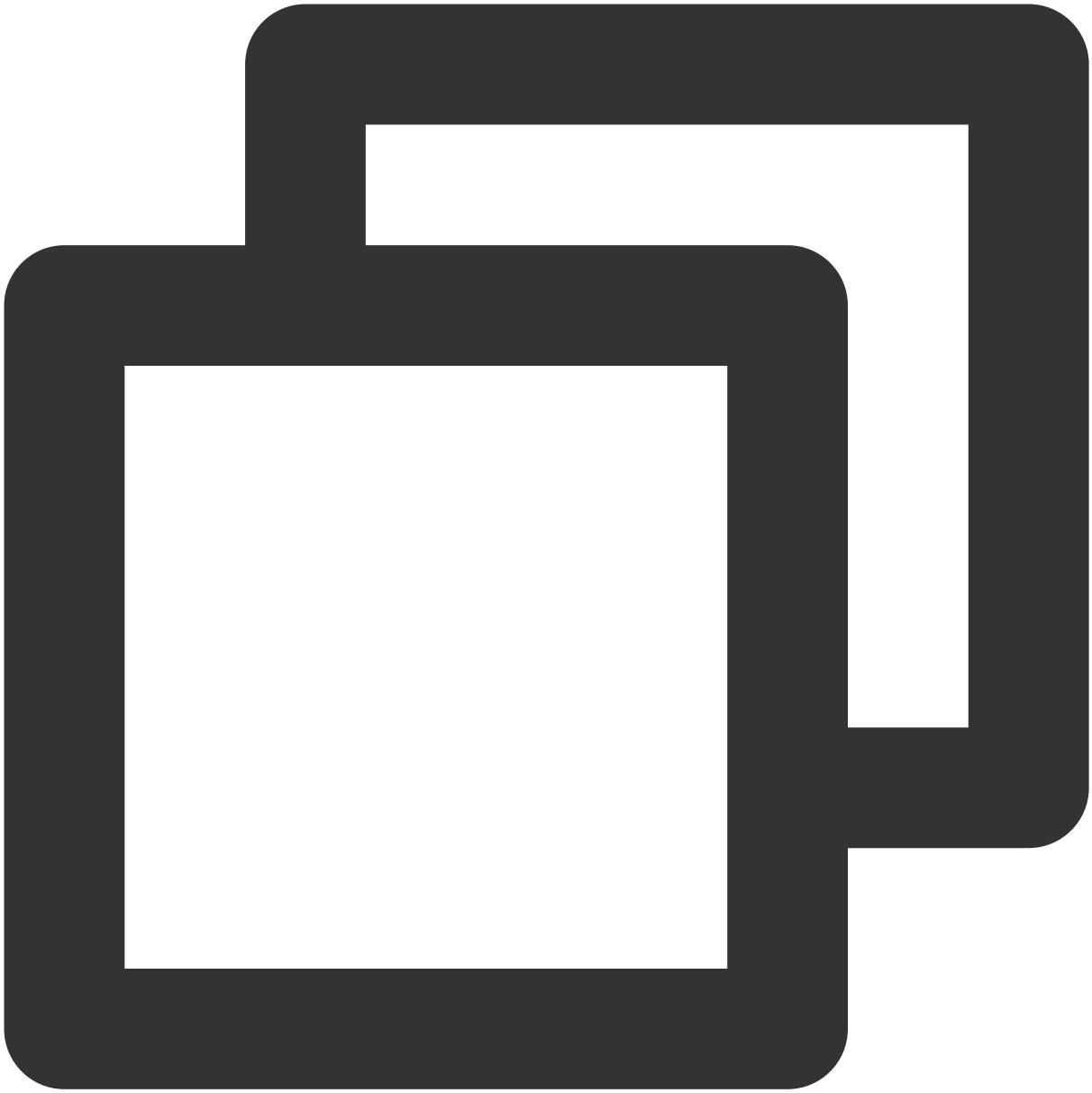
<Request>
    <Tag>VideoMontage</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <VideoMontage>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Height></Height>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
            </AudioMix>
            <Duration>15</Duration>
        </VideoMontage>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VideoMontage</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <VideoMontage>
                <Container>
                    <Format>mp4</Format>
                </Container>
                <Video>
                    <Codec>H.264</Codec>
                    <Bitrate>1000</Bitrate>
                    <Width>1280</Width>
                    <Height></Height>
                </Video>
                <Audio>
                    <Codec>aac</Codec>
                    <Samplerate>44100</Samplerate>
                    <Bitrate>128</Bitrate>
                    <Channels>4</Channels>
                </Audio>
                <AudioMix>
                    <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix
                    <MixMode>Once</MixMode>
                    <Replace>true</Replace>
                </AudioMix>
                <Duration>15</Duration>
            </VideoMontage>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Video Enhancement Job

Last updated：2024-02-27 15:42:23

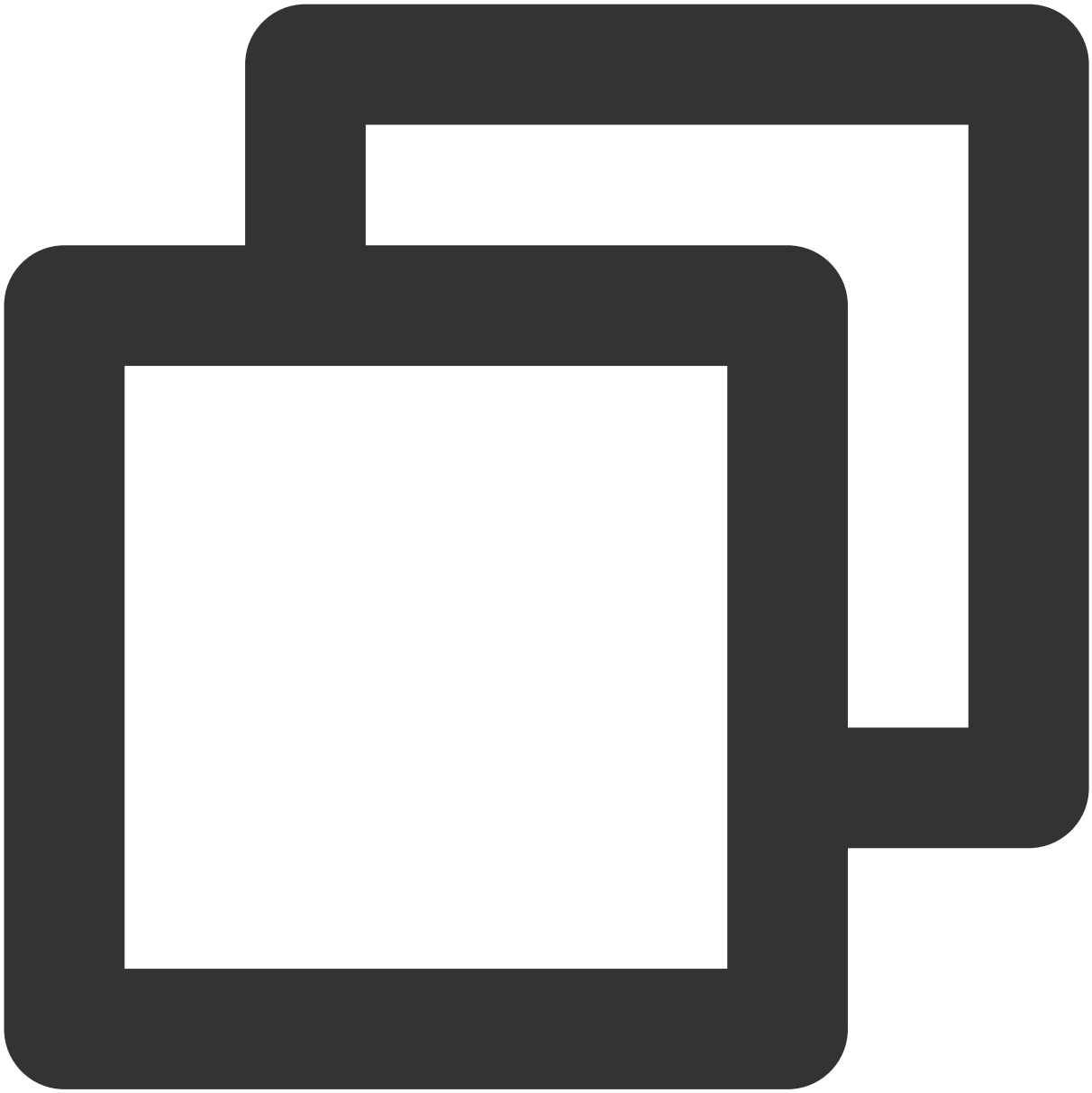
Feature Description

This API is used to submit a video enhancement job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

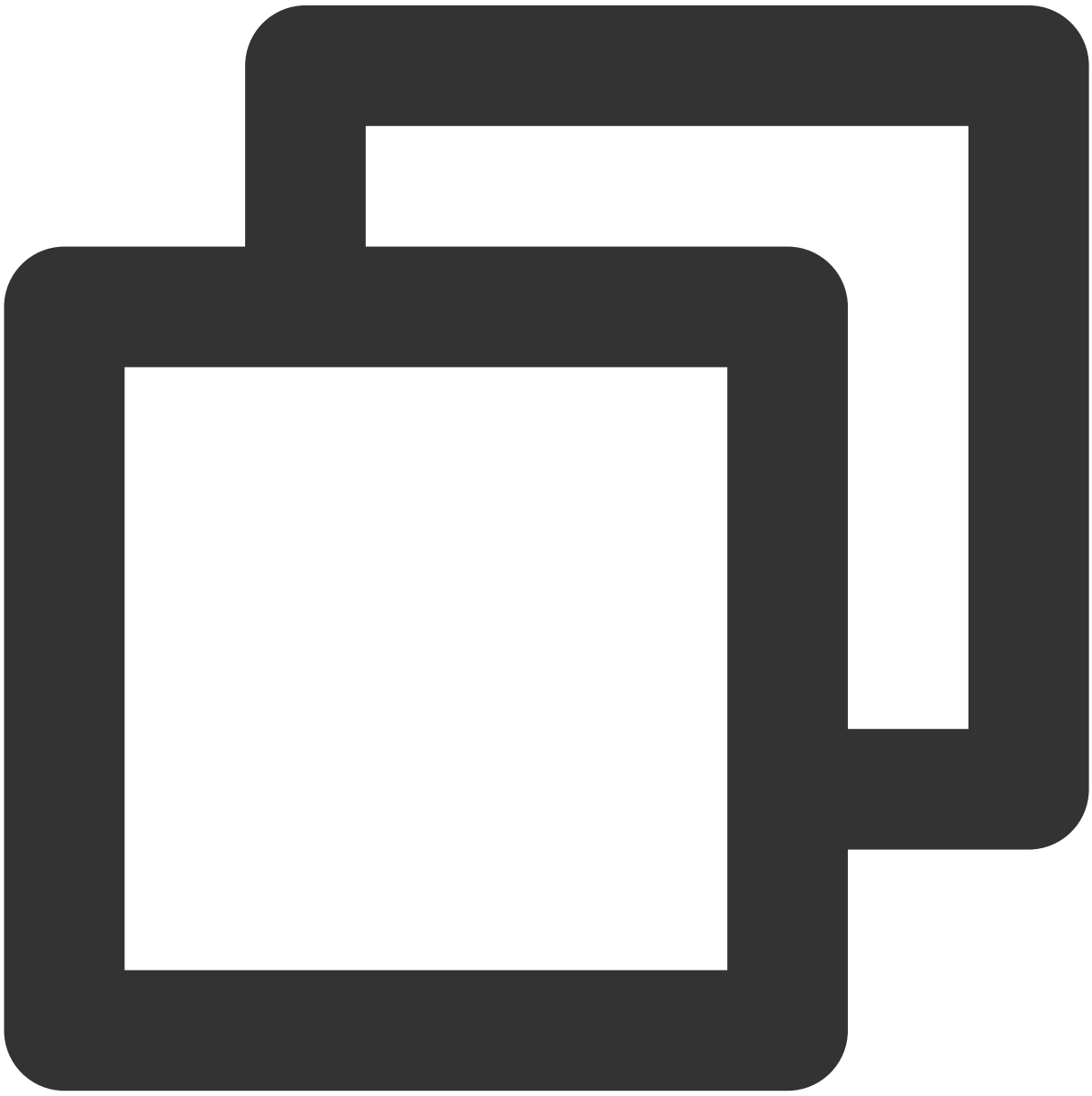
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VideoProcess</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t156c107210e7243c5817354565d81b578</TemplateId>
        <TranscodeTemplateId>t1460606b9752148c4ab182f55163ba7cd</TranscodeTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTemplateI
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: VideoProcess	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes

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CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
VideoProcess	Request.Operation	Video enhancement template parameter. This node and `TemplateId` cannot be empty at the same time.	Container	No
TemplateId	Request.Operation	Template ID. This node and `VideoProcess` cannot be empty at the same time.	String	No
Transcode	Request.Operation	Transcoding template parameter. This node and `TranscodeTemplateId` cannot be empty at the same time.	Container	No
TranscodeTemplateId	Request.Operation	Transcoding template ID. This	String	No

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		node and `Transcode` cannot be empty at the same time. Use this node first.	array	
Watermark	Request.Operation	Watermark template parameter. Same as `Request.Watermark` in the watermark template creation API CreateMediaTemplate. Up to three watermarks can be passed in.	Container array	No
WatermarkTemplateId	Request.Operation	Watermark template ID. Up to three watermark template IDs can be passed in. If `Watermark` and `WatermarkTemplateId` exist at the same time, use `WatermarkTemplateId` first.	String	No
DigitalWatermark	Request.Operation	Specifies the digital watermark parameter	Container	No
Output	Request.Operation	Result output address	Container	Yes
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

Note:

To submit a video enhancement job, you must pass in the transcoding parameter. For the video enhancement parameter, `TemplateId` is used first, and if `TemplateId` is unavailable, `VideoProcess` is used. For the transcoding parameter, `TranscodeTemplateId` is used first, and if `TranscodeTemplateId` is unavailable, `Transcode` is used. For the watermark parameter, `WatermarkTemplateId` or `Watermark` can be used for configuration, and `WatermarkTemplateId` is used first.

`VideoProcess` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
ColorEnhance	Request.Operation.VideoProcess	Same as Request.ColorEnhance in the video enhancement template creation API

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		CreateMediaTemplate.
MsSharpen	Request.Operation.VideoProcess	Same as Request.MsSharpen in the video enhancement template creation API CreateMediaTemplate.

`Transcode` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TimeInterval	Request.Operation.Transcode	Same as Request.TimeInterval in the transcoding template creation API CreateMediaTemplate.	Container	No
Container	Request.Operation.Transcode	Same as Request.Container in the transcoding template creation API CreateMediaTemplate.	Container	No
Video	Request.Operation.Transcode	Same as Request.Video in the transcoding template creation API CreateMediaTemplate.	Container	No
Audio	Request.Operation.Transcode	Same as Request.Audio in the transcoding template creation API CreateMediaTemplate.	Container	No
TransConfig	Request.Operation.Transcode	Same as Request.TransConfig in the transcoding template creation API CreateMediaTemplate.	Container	No
AudioMix	Request.Operation.Transcode	Audio mix parameter as described in Structure.	Container array	No

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Message	Request.Operation.DigitalWatermark	The string embedded by the digital watermark, which can contain up to 64 letters, digits,	string	Yes

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		underscores (_), hyphens (-), and asterisks (*).		
Type	Request.Operation.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String	Yes
Version	Request.Operation.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String	Yes
IgnoreError	Request.Operation.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true`, `false` (default value).	string	Yes

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

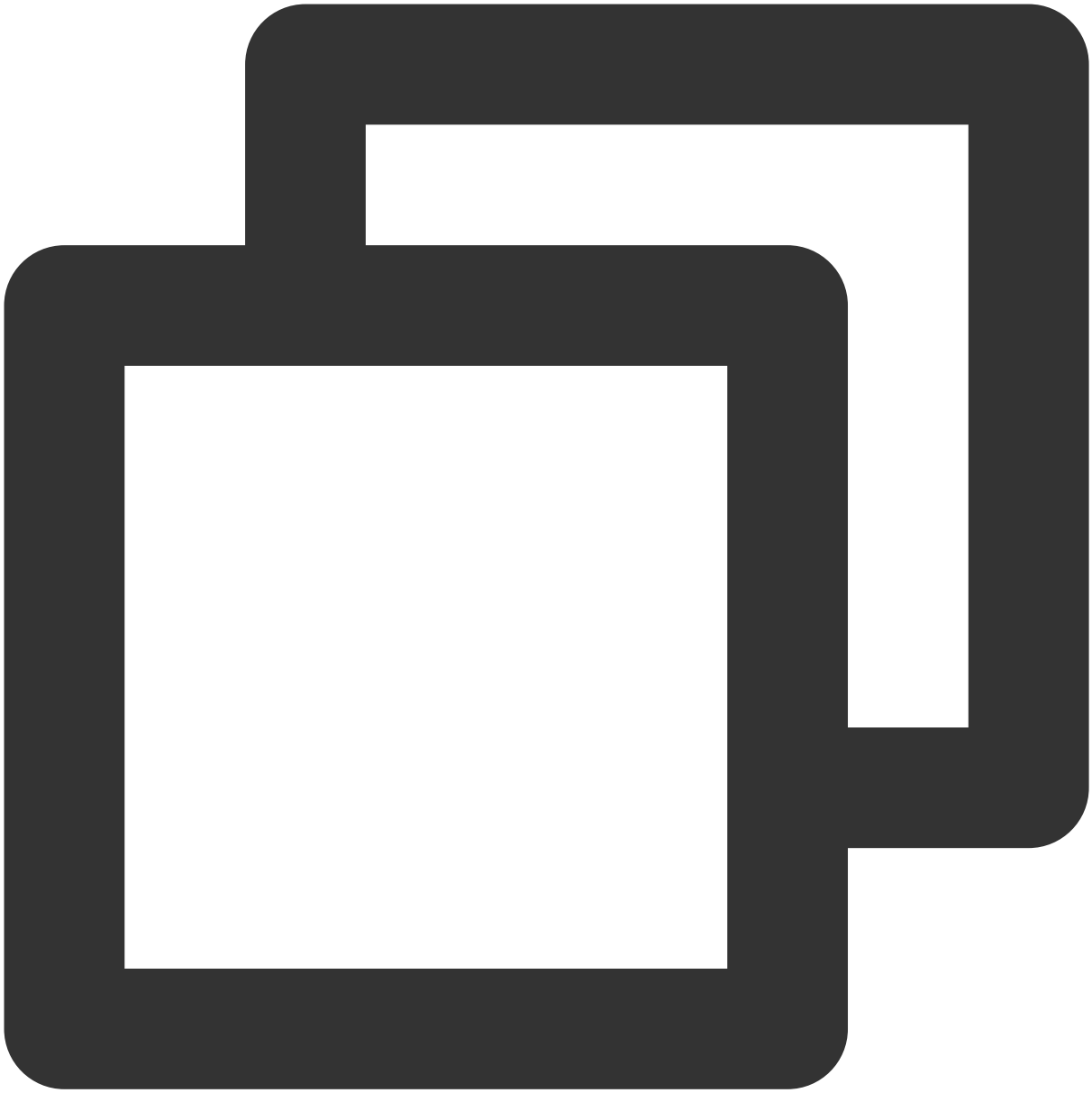
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VideoProcess</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t156c107210e7243c5817354565d81b578</TemplateId>
            <TemplateName>videoprocess_demo</TemplateName>
            <TranscodeTemplateId>t1460606b9752148c4ab182f55163ba7cd</TranscodeTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is	String

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		`Failed`	
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: VideoProcess	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
VideoProcess	Response.JobsDetail.Operation	Same as `Request.Operation.VideoProcess` in the request.	Contain
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if	String

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		`TemplateId` exists.	
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Contain
DigitalWatermark	Response.JobsDetail.Operation	Digital watermark parameter.	Contain
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.	Contain
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Contain
DigitalWatermark	Response.JobsDetail.Operation	Digital watermark parameter.	Contain
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

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`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Message	Response.Operation.DigitalWatermark	The string in the digital watermark successfully embedded in the video, which can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).	string
Type	Response.Operation.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String
Version	Response.Operation.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String
IgnoreError	Response.Operation.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true`, `false` (default value).	string
State	Response.Operation.DigitalWatermark	Whether the watermark is added successfully. Valid values: `Running`, `Success`, `Failed`.	string

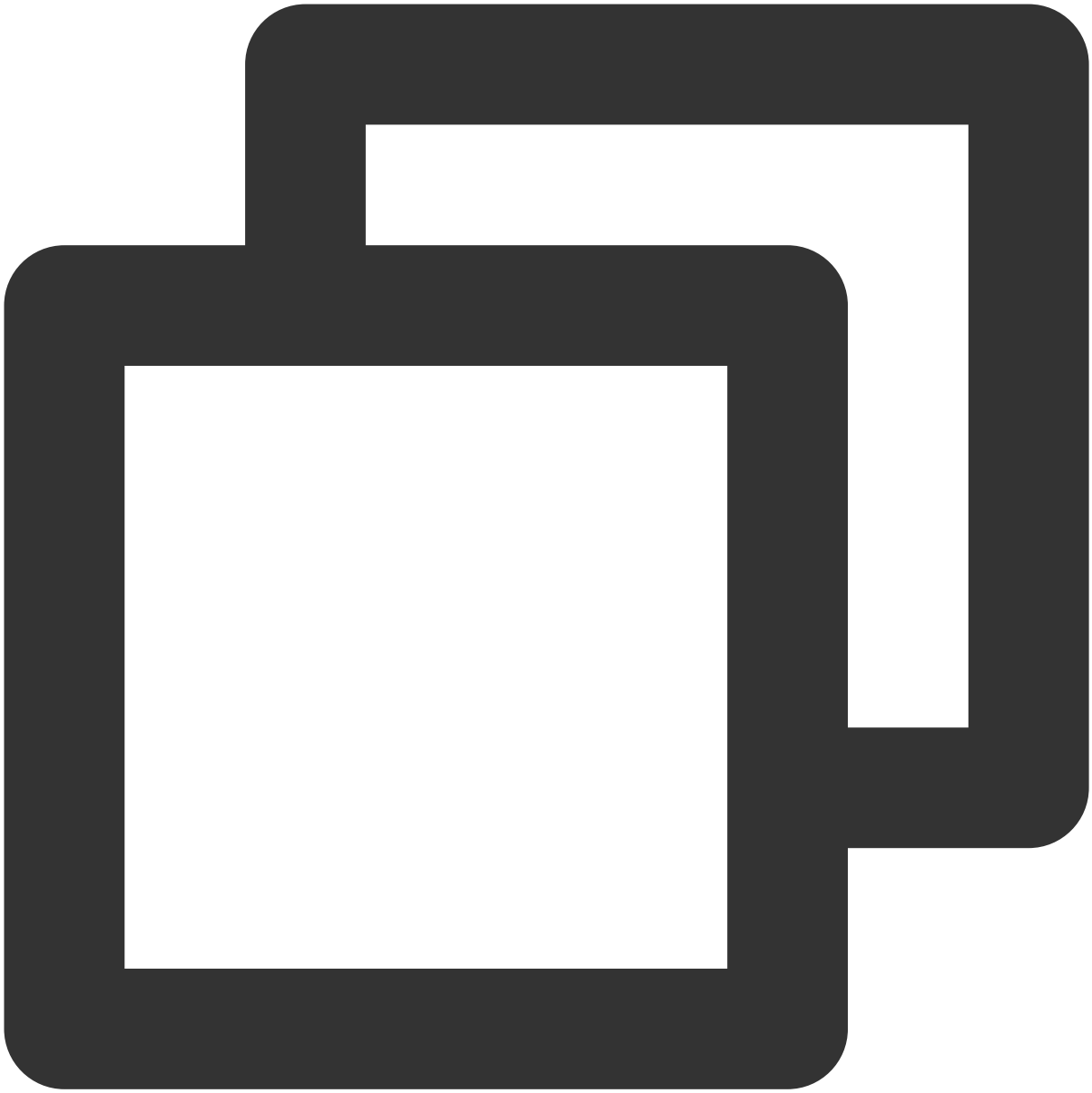
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1. Using the video enhancement template ID

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```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

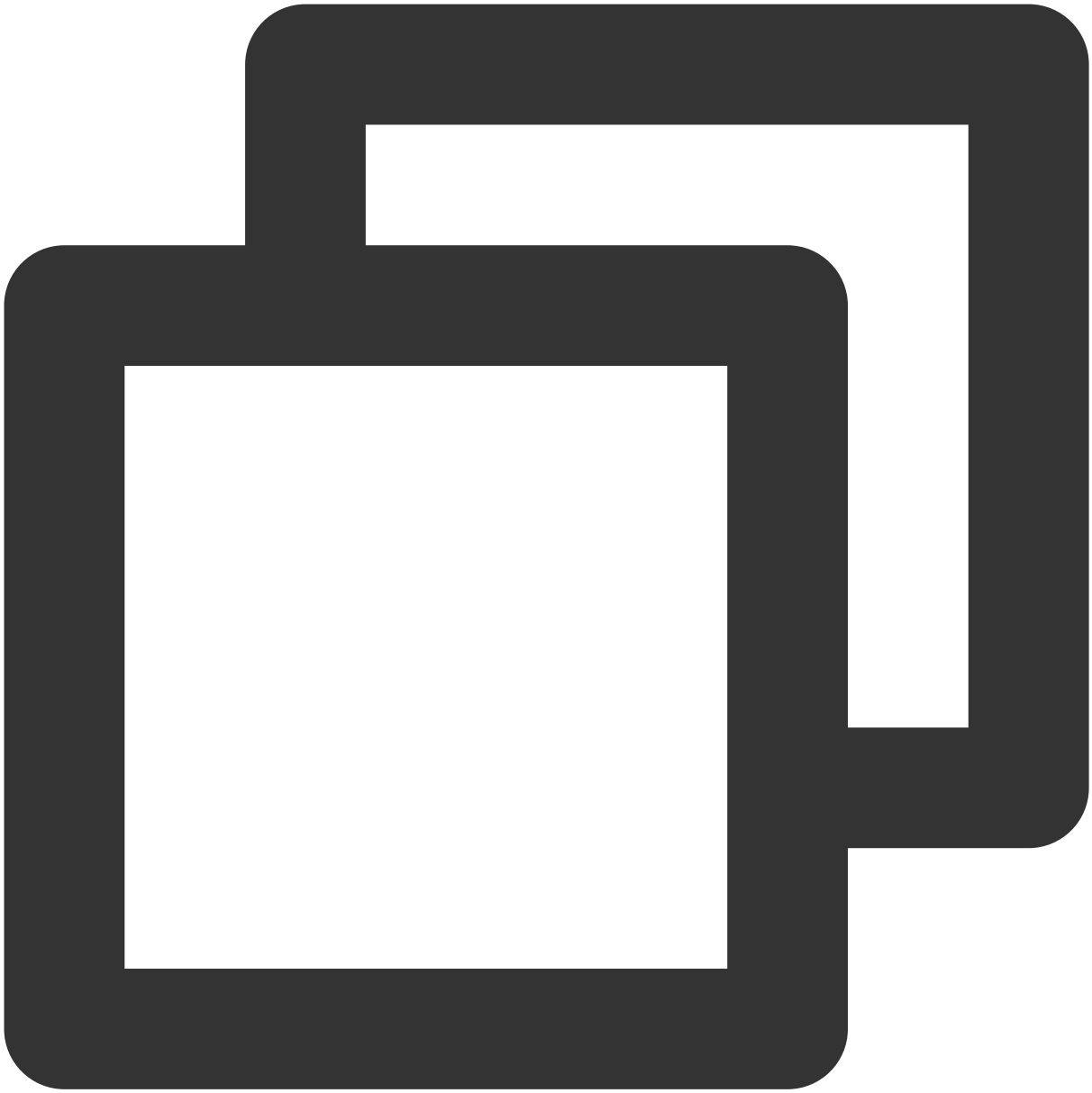
<Request>
    <Tag>VideoProcess</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <TemplateId>t156c107210e7243c5817354565d81b578</TemplateId>
        <TranscodeTemplateId>t1460606b9752148c4ab182f55163ba7cd</TranscodeTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTemplateI
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

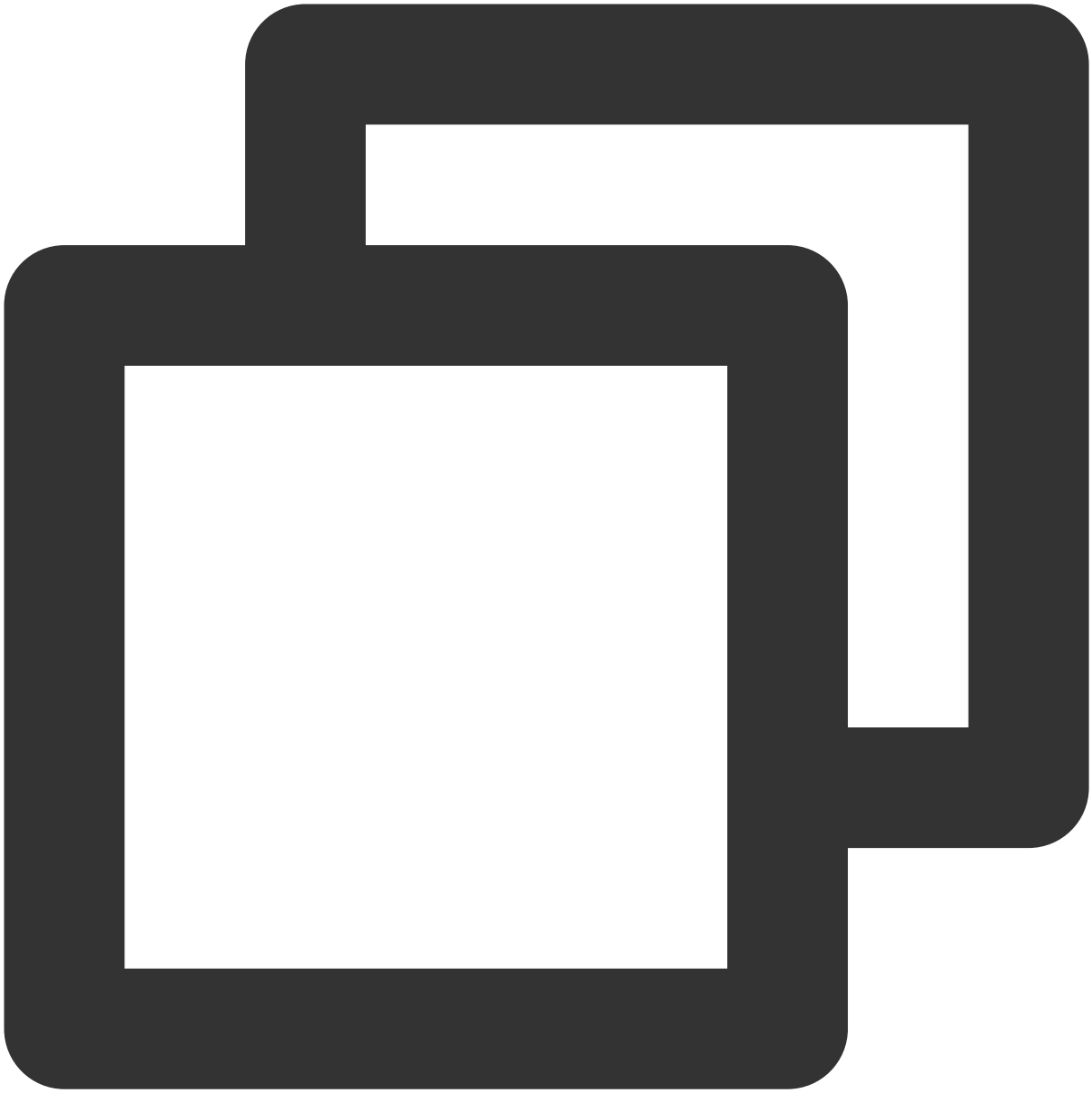
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VideoProcess</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t156c107210e7243c5817354565d81b578</TemplateId>
            <TemplateName>videoprocess_demo</TemplateName>
            <TranscodeTemplateId>t1460606b9752148c4ab182f55163ba7cd</TranscodeTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2. Using the video enhancement processing parameter

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```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-sig
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>VideoProcess</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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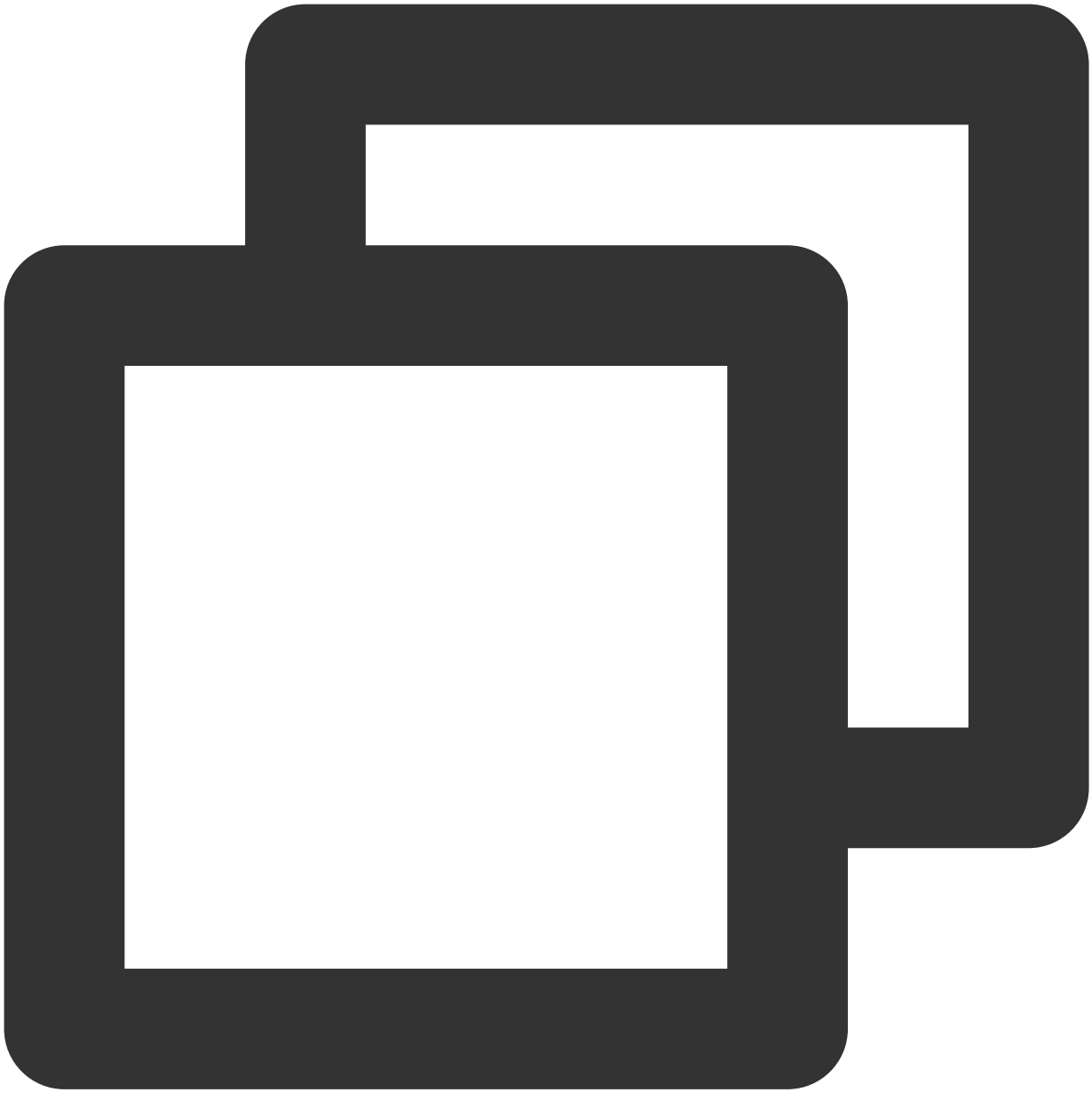
```
    <Operation>
        <VideoProcess>
            <ColorEnhance>
                <Contrast>50</Contrast>
                <Correction>100</Correction>
                <Enable>true</Enable>
                <Saturation>100</Saturation>
            </ColorEnhance>
            <MsSharpen>
                <Enable>true</Enable>
                <SharpenLevel>5</SharpenLevel>
            </MsSharpen>
        </VideoProcess>
        <Transcode>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Profile>high</Profile>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Preset>medium</Preset>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <AdjDarMethod>scale</AdjDarMethod>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </Transcode>
        <Watermark>
            <Type>Text</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
            <Pos>TopRight</Pos>
```

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```
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Text>
                <Text>Watermark content</Text>
                <FontSize>30</FontSize>
                <FontType>simfang.ttf</FontType>
                <FontColor>0xRRGGBB</FontColor>
                <Transparency>30</Transparency>
            </Text>
        </Watermark>
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VideoProcess</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <VideoProcess>
                <ColorEnhance>
                    <Contrast>50</Contrast>
                    <Correction>100</Correction>
                    <Enable>true</Enable>
                    <Saturation>100</Saturation>
                </ColorEnhance>
                <MsSharpen>
                    <Enable>true</Enable>
                    <SharpenLevel>5</SharpenLevel>
                </MsSharpen>
            </VideoProcess>
            <Transcode>
                <Container>
                    <Format>mp4</Format>
                </Container>
                <Video>
                    <Codec>H.264</Codec>
                    <Profile>high</Profile>
                    <Bitrate>1000</Bitrate>
                    <Width>1280</Width>
                    <Fps>30</Fps>
                    <Preset>medium</Preset>
                </Video>
                <Audio>
                    <Codec>aac</Codec>
                    <Samplerate>44100</Samplerate>
                    <Bitrate>128</Bitrate>
                    <Channels>4</Channels>
                </Audio>
                <TransConfig>
                    <AdjDarMethod>scale</AdjDarMethod>
                    <IsCheckReso>false</IsCheckReso>
```

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```
                    <ResoAdjMethod>1</ResoAdjMethod>
                </TransConfig>
                <TimeInterval>
                    <Start>0</Start>
                    <Duration>60</Duration>
                </TimeInterval>
            </Transcode>
            <Watermark>
                <Type>Text</Type>
                <LocMode>Absolute</LocMode>
                <Dx>128</Dx>
                <Dy>128</Dy>
                <Pos>TopRight</Pos>
                <StartTime>0</StartTime>
                <EndTime>100.5</EndTime>
                <Text>
                    <Text>Watermark content</Text>
                    <FontSize>30</FontSize>
                    <FontType>simfang.ttf</FontType>
                    <FontColor>0xRRGGBB</FontColor>
                    <Transparency>30</Transparency>
                </Text>
            </Watermark>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Video Tagging Job

Last updated：2024-02-27 15:42:23

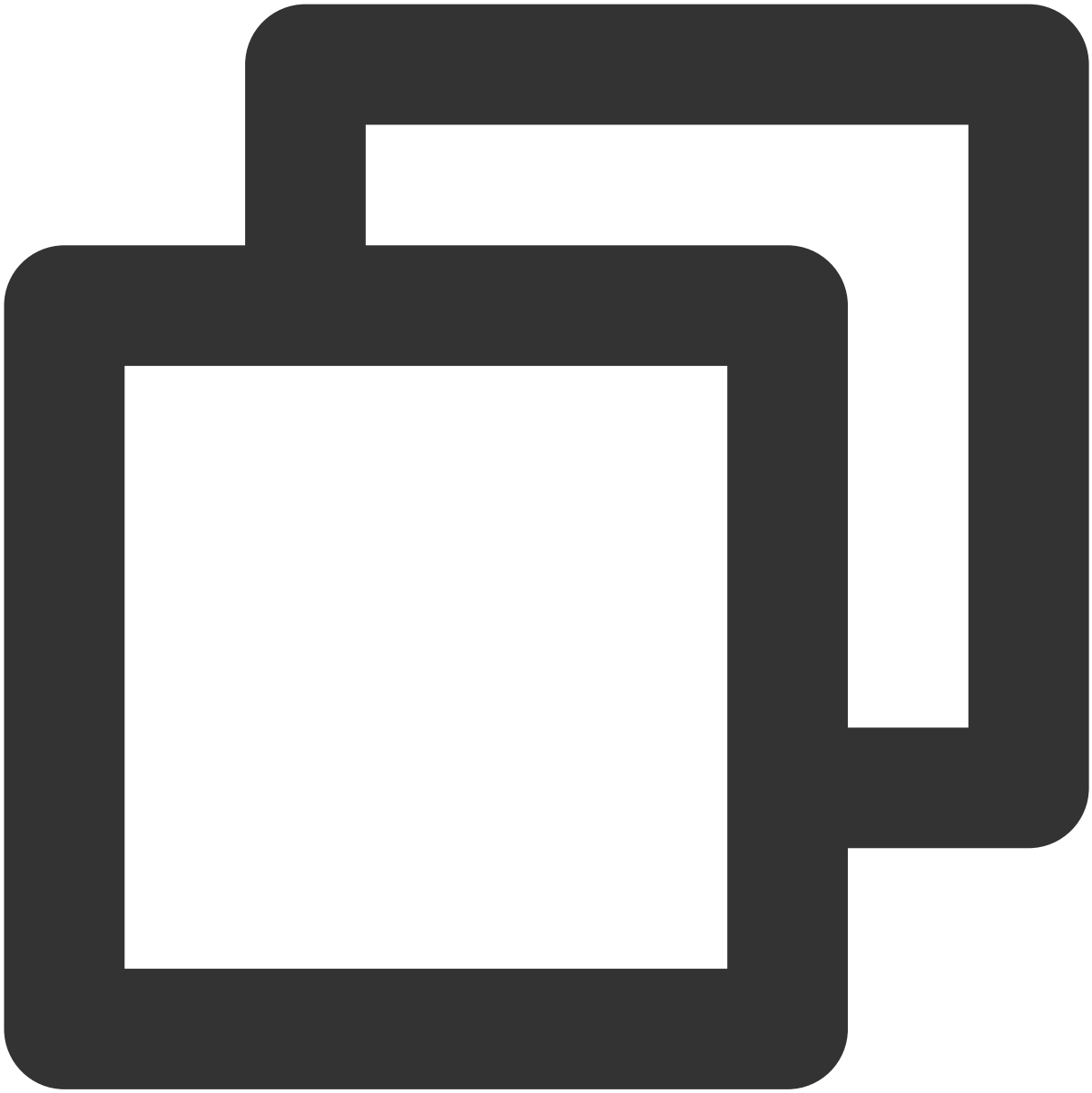
Feature Description

This API is used to submit a video tagging job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

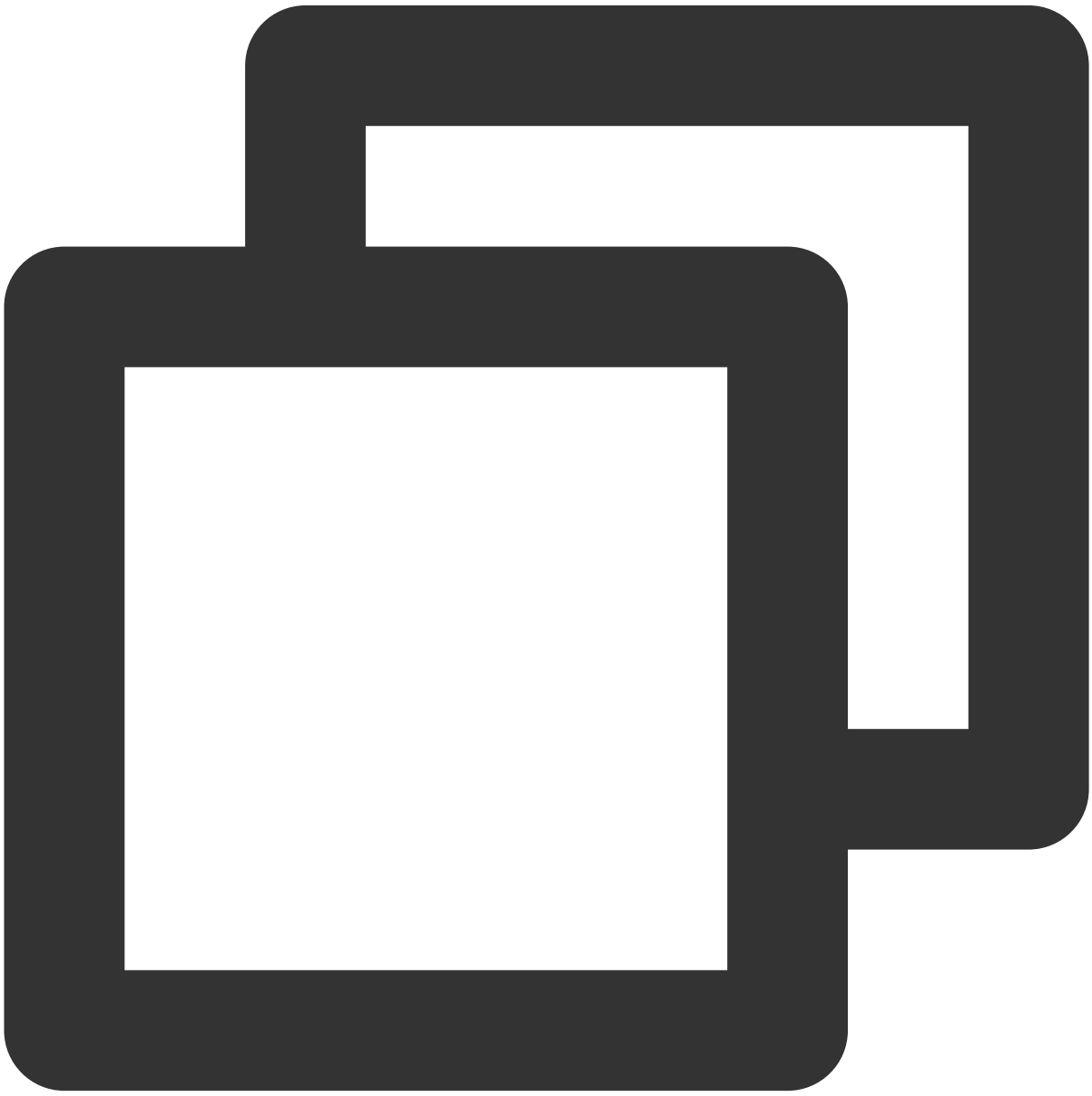
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VideoTag</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <VideoTag>
            <Scenario>Stream</Scenario>
        </VideoTag>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: VideoTag	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to	String	No

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		`no` , no callbacks will be generated at the callback address of the queue.		
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure > CallBackMqConfig, which is required if `CallBackType` is `TDMQ` .	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Name of the media file on which to perform the video tagging job. Currently, .mp4, .avi, .mkv, .wmv, .rmvb, .flv, and .mov formats are supported. For videos longer than 30 minutes, submit a ticket for assistance.	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
VideoTag	Request.Operation	`VideoTag` job parameter	Container	Yes
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` (default), `1` , `2` .	String	No
UserData	Response.JobsDetail.Operation	The user information passed through.	String	No

`VideoTag` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Scenario	Request.Operation.VideoTag	Scenario type. You can select the application scenario of the	string	Yes	The current version is only adapted to the

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		video tag. The used algorithm, input, and output vary by scenario.			`Stream` scenario

Response

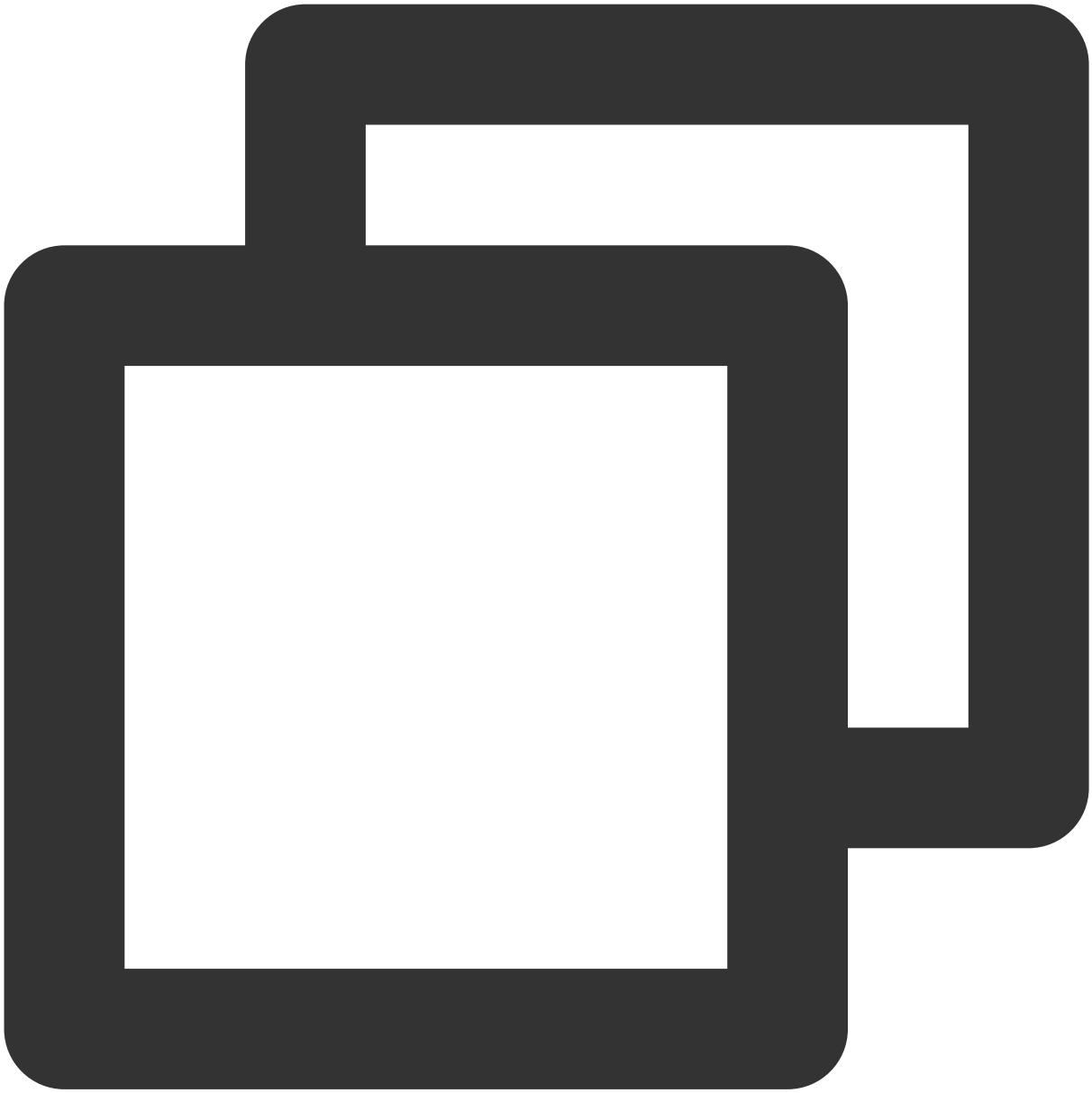
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VideoTag</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <VideoTag>
                <Scenario>Stream</Scenario>
            </VideoTag>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: VideoTag	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String

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StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
VideoTag	Response.JobsDetail.Operation	Same as `Request.Operation.VideoTag` in the request.	Container
VideoTagResult	Response.JobsDetail.Operation	Video tag analysis result, which will not be returned when the job is not completed.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`VideoTagResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
StreamData	Response.JobsDetail.Operation.VideoTagResult	Result of the video tagging job in the `Stream` scenario	Container

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`StreamData` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Data	Response.JobsDetail.Operation.VideoTagResult.StreamData	Result list of the video tagging job in the `Stream` scenario	Container
SubErrCode	Response.JobsDetail.Operation.VideoTagResult.StreamData	Algorithm status code. `0`: Success. Other values: Exception.	String
SubErrMsg	Response.JobsDetail.Operation.VideoTagResult.StreamData	Algorithm error message. `ok` indicates a success. If the request fails, the corresponding error is returned.	String

`Data` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Tags	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data	Video tag and video category information	Container
PersonTags	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data	Person tag information	Container array
PlaceTags	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data	Scene tag information	Container array
ActionTags	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data	Action tag information	Container array
ObjectTags	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data	Object tag	Container

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		information	array

`Tags` (video tag) has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Tag	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.Tags	Tag name	String
TagCls	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.Tags	Tag category	String
Confidence	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.Tags	Tag model prediction score. Value range: [0, 1].	Float

`Tags` (video category) has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Tag	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.Tags	Video category	String
Confidence	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.Tags	Tag model prediction score. Value range: [0, 1].	Float

`PersonTags` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Descriptio
Name	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags	Person name
Confidence	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags	Tag mode prediction

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		score
Count	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags	Number o person appearanc
DetailPerSecond	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags	Location a time of person appearanc

`DetailPerSecond` has the following sub-nodes:

Node Name (Keyword)	Parent Node
TimeStamp	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags.DetailPerSecond
Confidence	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags.DetailPerSecond
BBox	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags.DetailPerSecond

`BBox` has the following sub-nodes:

Node Name (Keyword)	Parent Node
X1	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags.DetailPerSecond.BB
Y1	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags.DetailPerSecond.BB

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X2	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags.DetailPerSecond.BB
Y2	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PersonTags.DetailPerSecond.BB

`PlaceTags` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Tags	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PlaceTags	Video scene `Response`
StartTime	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PlaceTags	Segment st
EndTime	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PlaceTags	Segment er
StartIndex	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PlaceTags	Segment st
EndIndex	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PlaceTags	Segment er
ClipFrameResult	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.PlaceTags	Top 1 single

`ActionTags` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Tags	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.ActionTags	Video action tag i `Response.Job`
StartTime	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.ActionTags	Segment start tim
EndTime	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.ActionTags	Segment end time

`ObjectTags` has the following sub-nodes:

Node	Parent Node	Description

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Name (Keyword)		
Objects	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.ObjectTags	Video object tag `Response.J`
TimeStamp	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.ObjectTags	Timestamp of th

`Object` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Descrip
Name	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.ObjectTags.Objects	Object
Confidence	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.ObjectTags.Objects	Tag mo
BBox	Response.JobsDetail.Operation.VideoTagResult.StreamData.Data.ObjectTags.Objects	Relative `Respo`

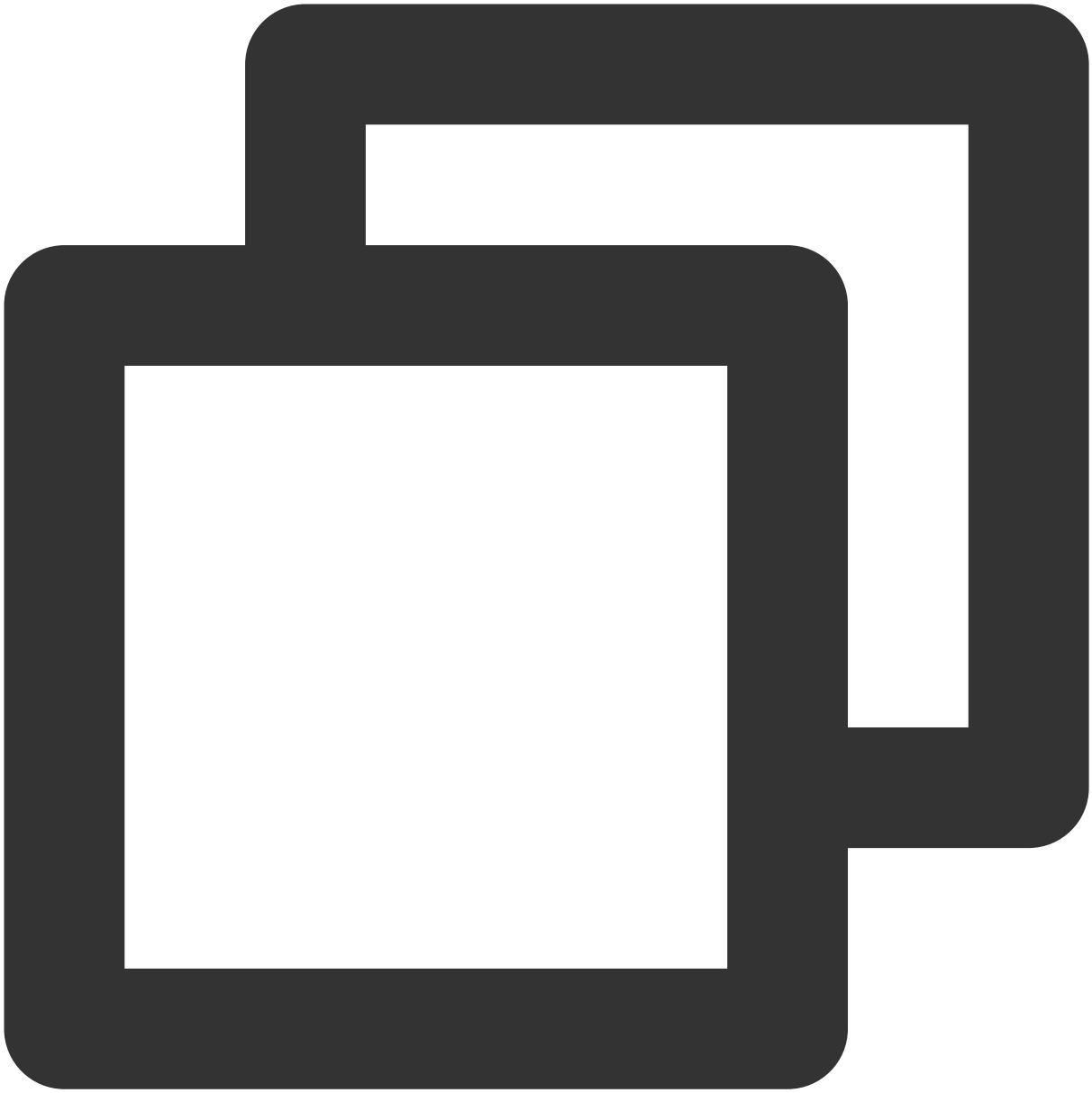
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

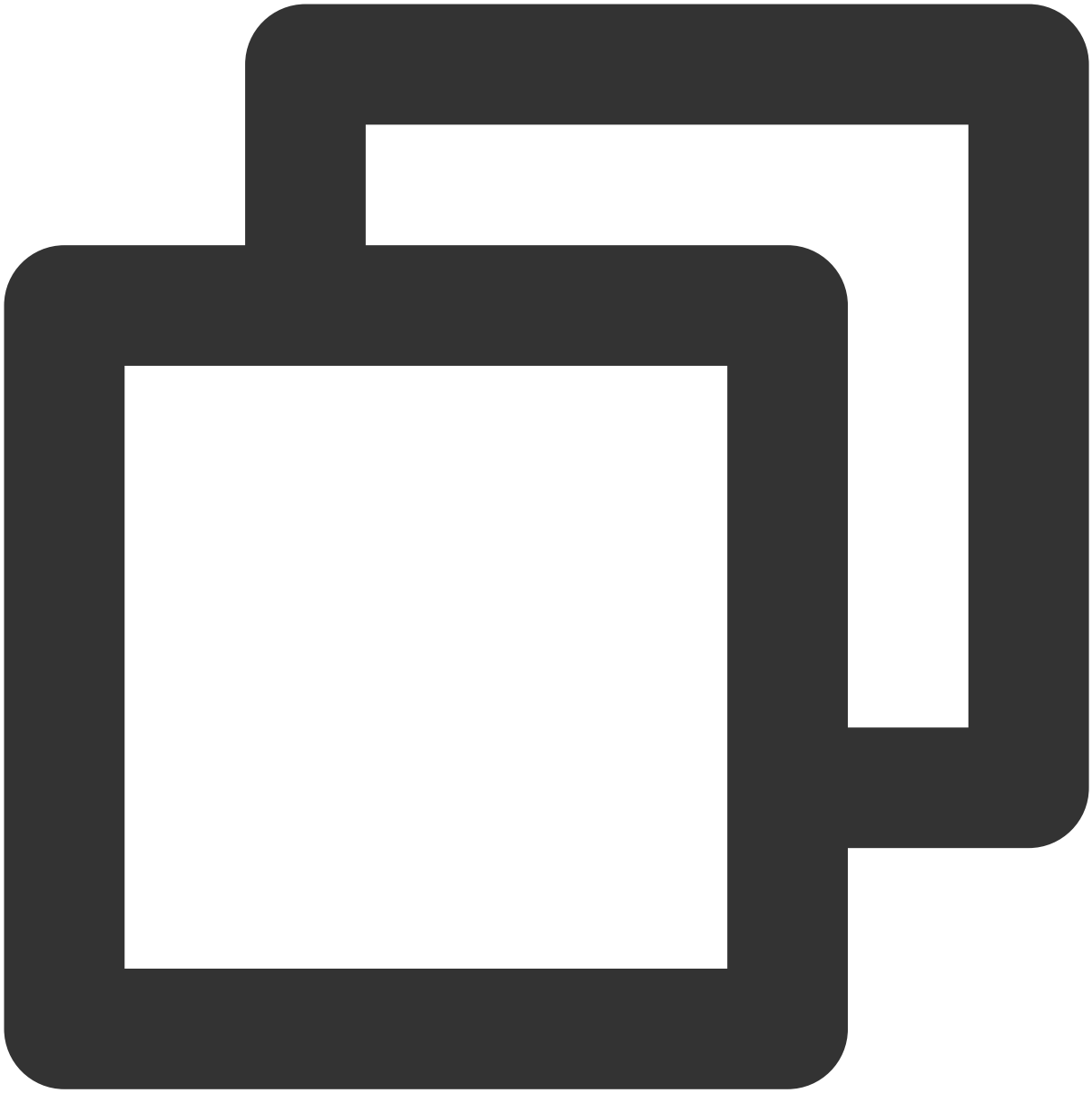
<Request>
    <Tag>VideoTag</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <VideoTag>
            <Scenario>Stream</Scenario>
        </VideoTag>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VideoTag</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <VideoTag>
                <Scenario>Stream</Scenario>
            </VideoTag>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Voice/Sound Separation Job

Last updated：2024-02-27 15:42:23

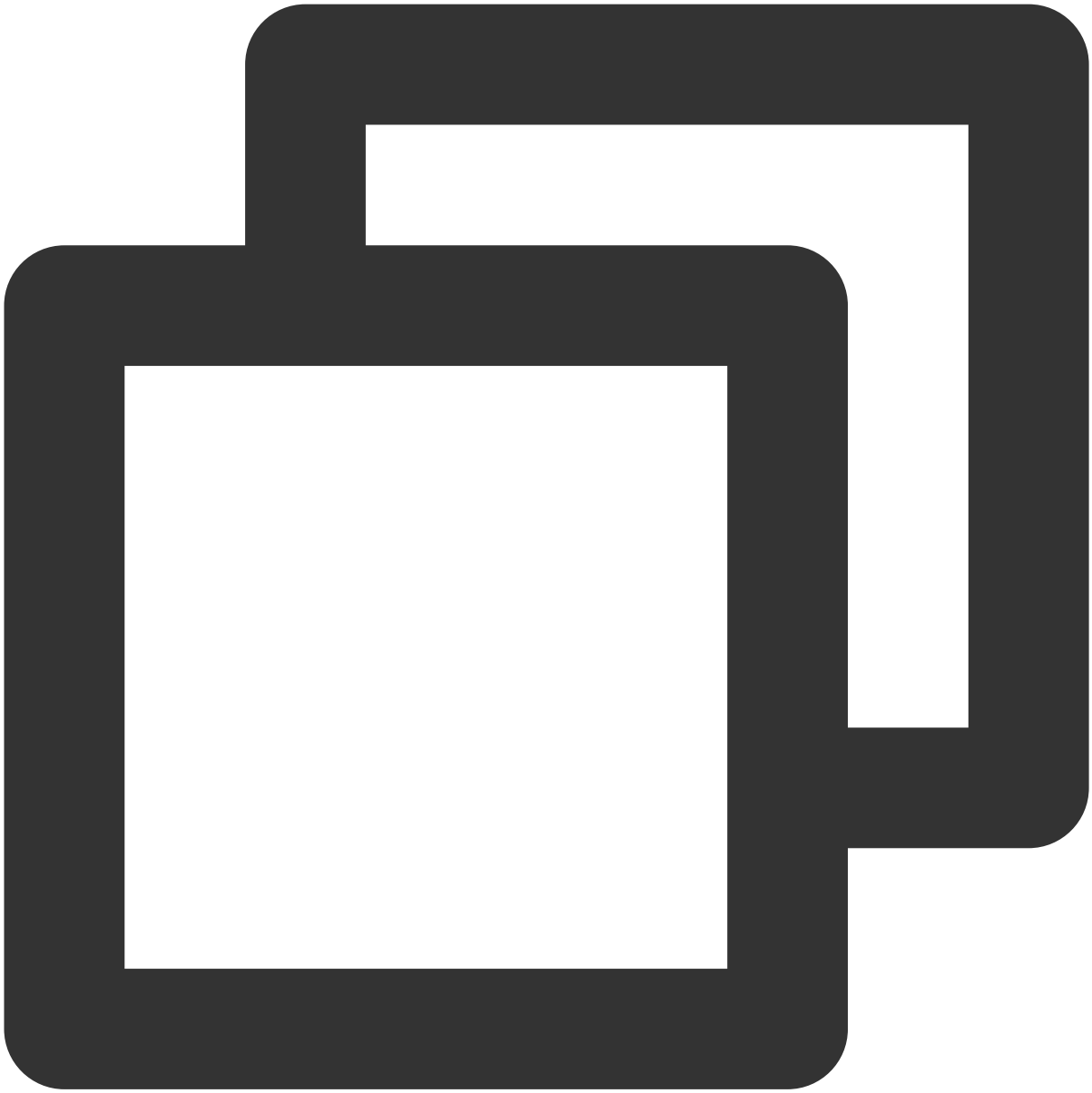
Feature Description

This API is used to submit a voice/sound separation job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

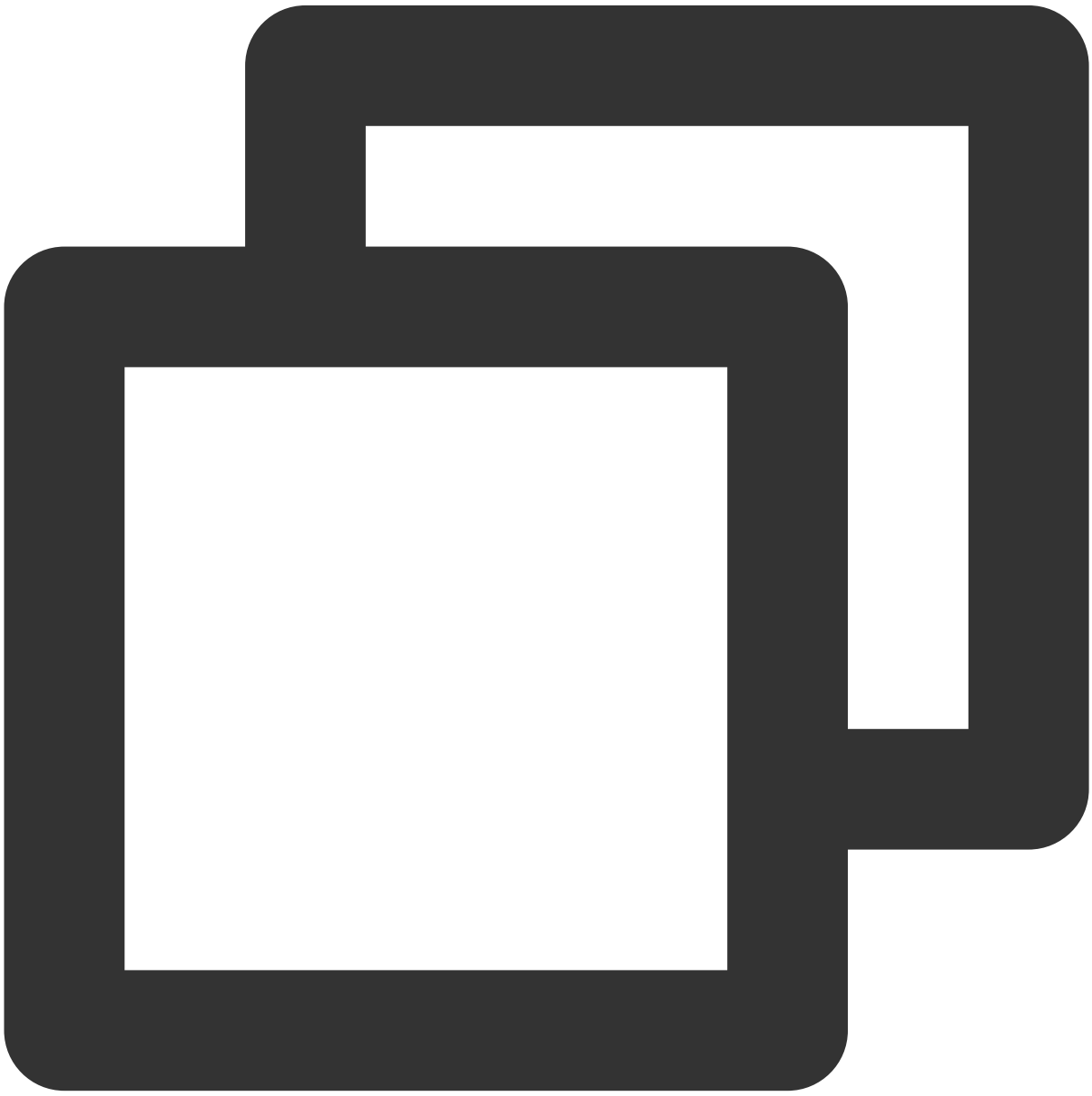
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VoiceSeparate</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/backgroud.mp3</Object>
            <AuObject>output/audio.mp3</AuObject>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type: VoiceSeparate	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ` . It has a higher	String	No

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		priority than that of the queue.		
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
VoiceSeparate	Request.Operation	Transcoding template parameter	Container	No
TemplateId	Request.Operation	Template ID	String	No
Output	Request.Operation	Result output address	Container	Yes
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

Note:

`TemplateId` is used first. If `TemplateId` is unavailable, `VoiceSeparate` is used.

`VoiceSeparate` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
AudioMode	Request.Operation.VoiceSeparate	Same as Request.AudioMode in the	Container	No

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		voice/sound separation template creation API CreateMediaTemplate.		
AudioConfig	Request.Operation.VoiceSeparate	Same as Request.AudioConfig in the voice/sound separation template creation API CreateMediaTemplate.	Container	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Background audio result filename. This node and `AuObject` cannot be empty at the same time.	String	No
AuObject	Request.Operation.AuObject	Voice/Sound result filename. This node and `Object` cannot be empty at the same time.	String	No

Response

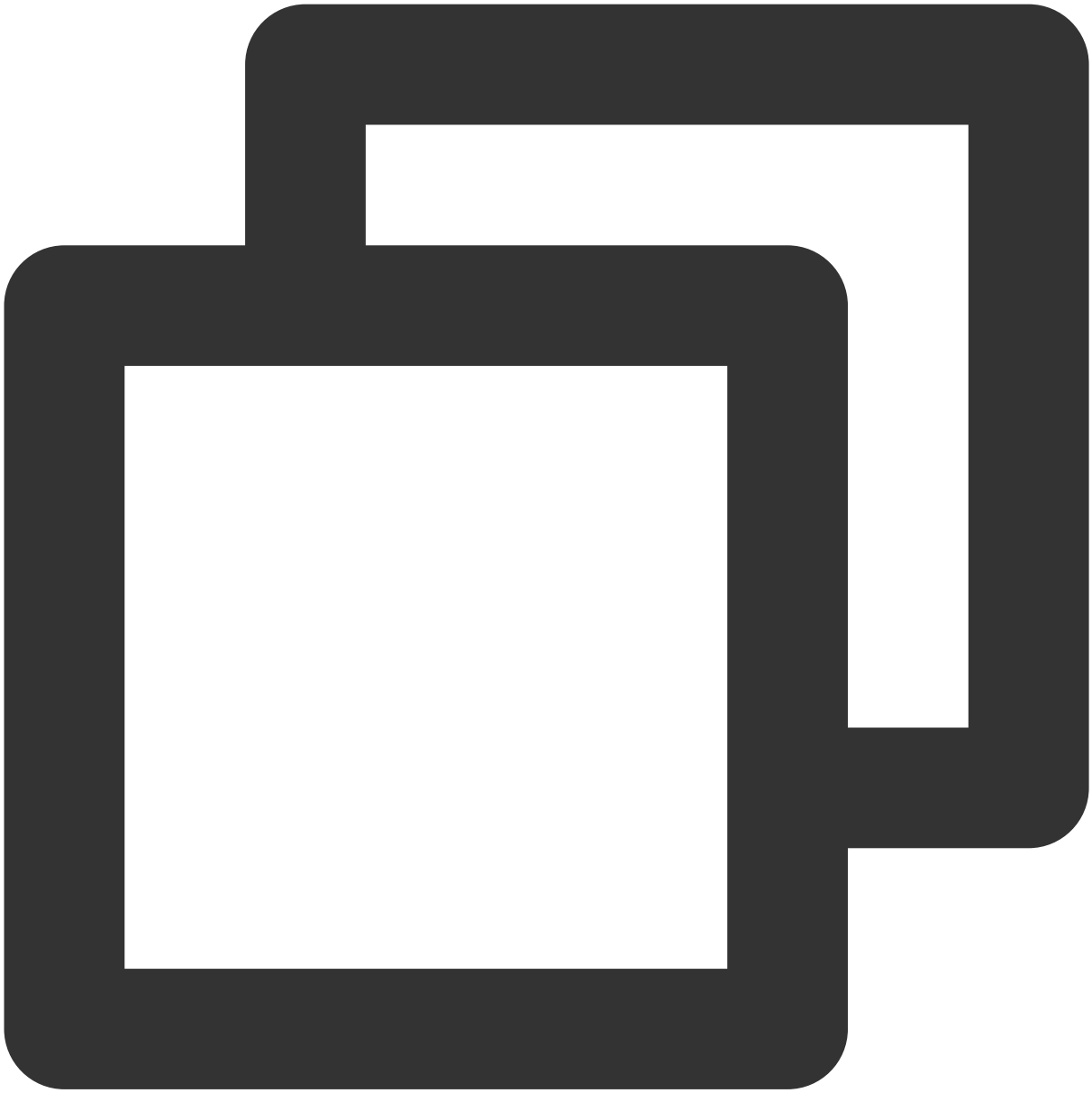
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VoiceSeparate</Tag>
```

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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>voiceseparate_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/backgroud.mp3</Object>
                <AuObject>output/audio.mp3</AuObject>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type: VoiceSeparate	String

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State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if `TemplateId` exists.	String
VoiceSeparate	Response.JobsDetail.Operation	Same as `Request.Operation.VoiceSeparate` in the request.	Containe
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Containe
MediaInfo	Response.JobsDetail.Operation	Output video information, which will not be returned when the job is not completed.	Containe
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will	Containe

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		not be returned when the job is not completed.	
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String
ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

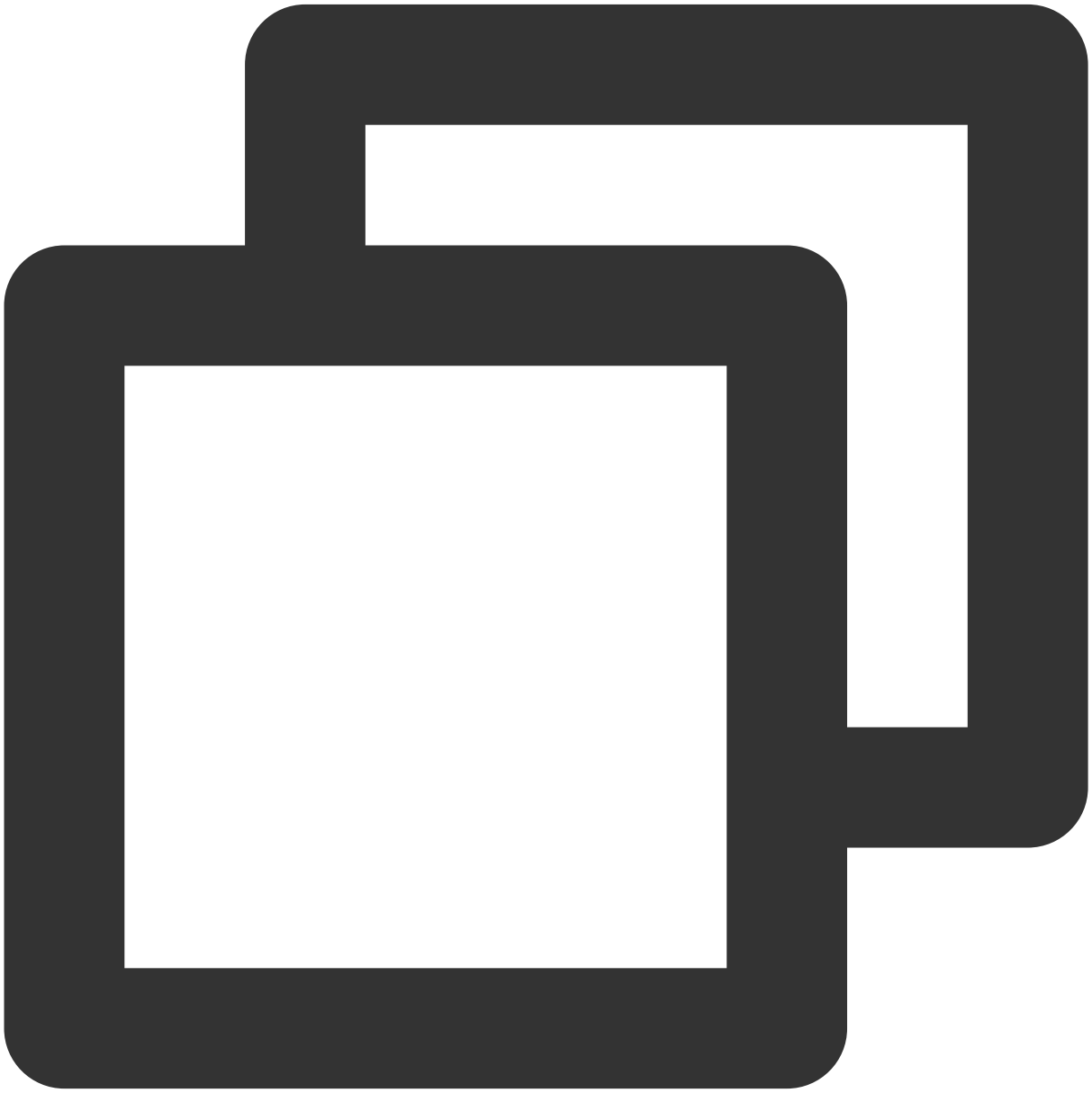
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Samples

Request 1. Using the voice/sound separation template ID



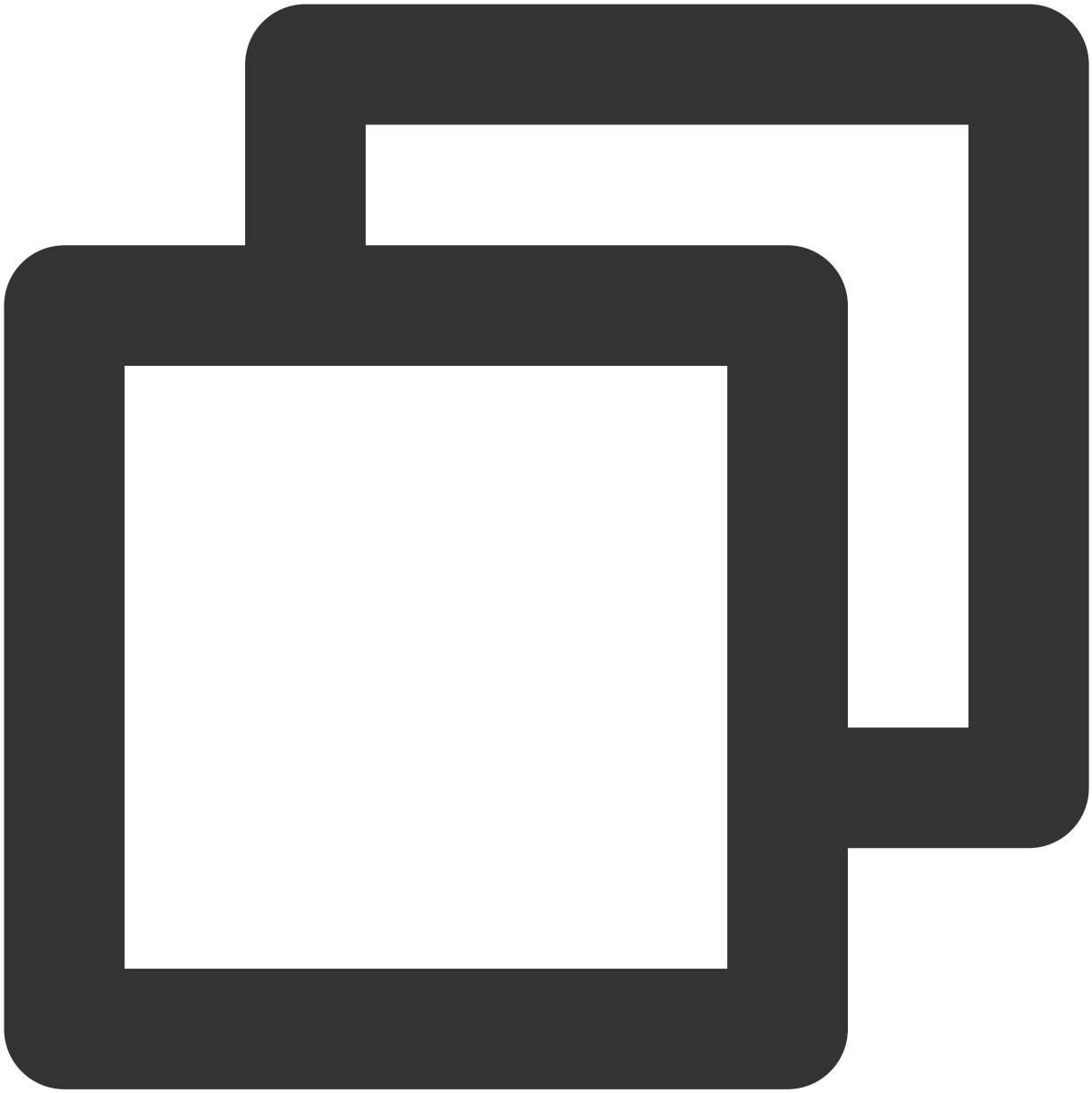
```
POST /jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml
```

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```
<Request>
    <Tag>VoiceSeparate</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/backgroud.mp3</Object>
            <AuObject>output/audio.mp3</AuObject>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response 1

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

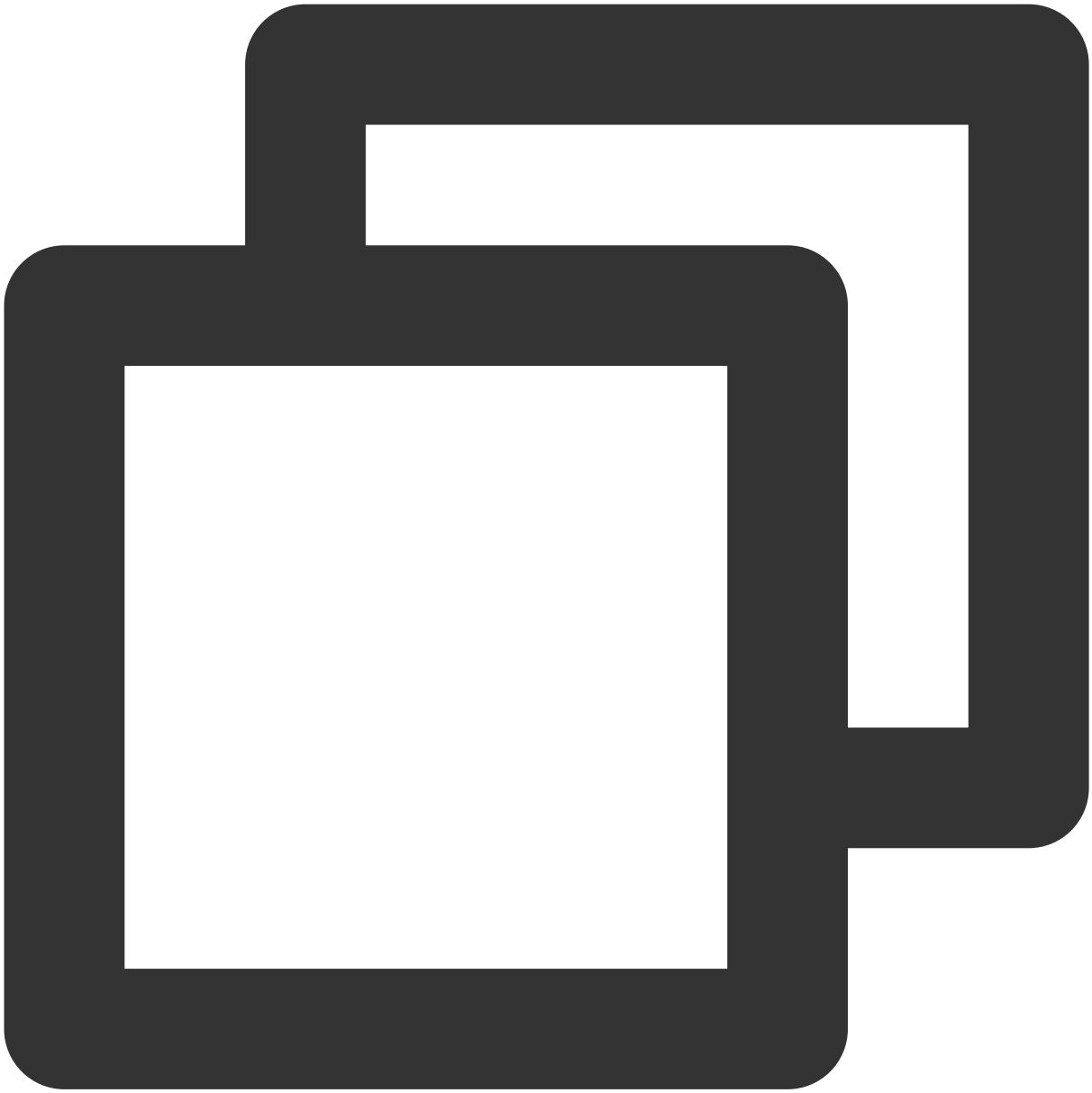
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VoiceSeparate</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>voiceseparate_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/backgroud.mp3</Object>
                <AuObject>output/audio.mp3</AuObject>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2. Using the voice/sound separation parameter

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```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

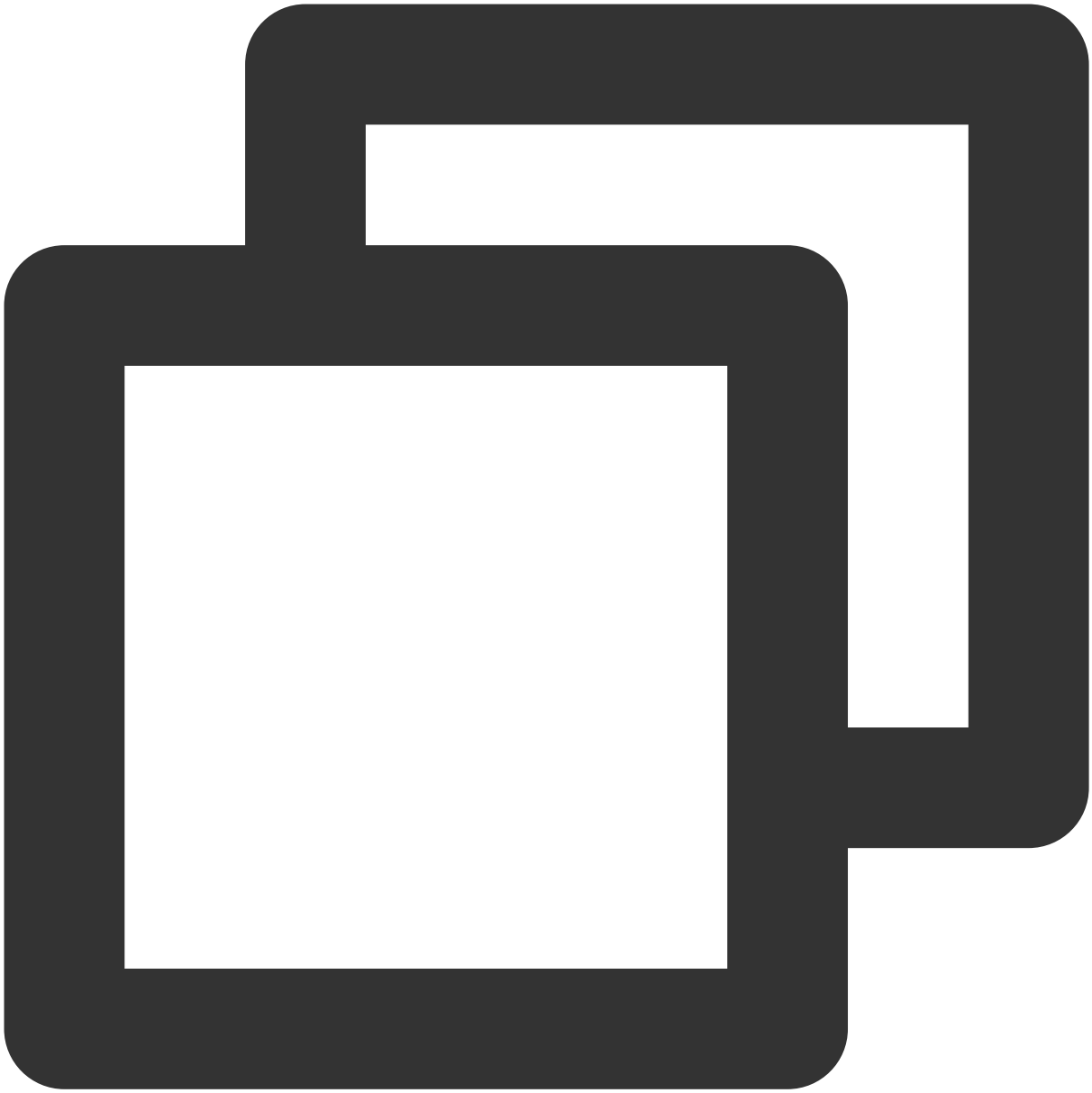
<Request>
    <Tag>VoiceSeparate</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
```

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```
    <Operation>
        <VoiceSeparate>
            <AudioConfig>
                    <Bitrate>500</Bitrate>
                    <Channels>2</Channels>
                    <Codec>mp3</Codec>
                    <Samplerate>44100</Samplerate>
            </AudioConfig>
            <AudioMode>AudioAndBackground</AudioMode>
        </VoiceSeparate>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/backgroud.mp3</Object>
            <AuObject>output/audio.mp3</AuObject>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>VoiceSeparate</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <VoiceSeparate>
                <AudioConfig>
                    <Bitrate>500</Bitrate>
                    <Channels>2</Channels>
                    <Codec>mp3</Codec>
                    <Samplerate>44100</Samplerate>
                </AudioConfig>
                <AudioMode>AudioAndBackground</AudioMode>
            </VoiceSeparate>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/backgroud.mp3</Object>
                <AuObject>output/audio.mp3</AuObject>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Top Speed Codec Transcoding Job

Last updated：2024-02-27 15:42:23

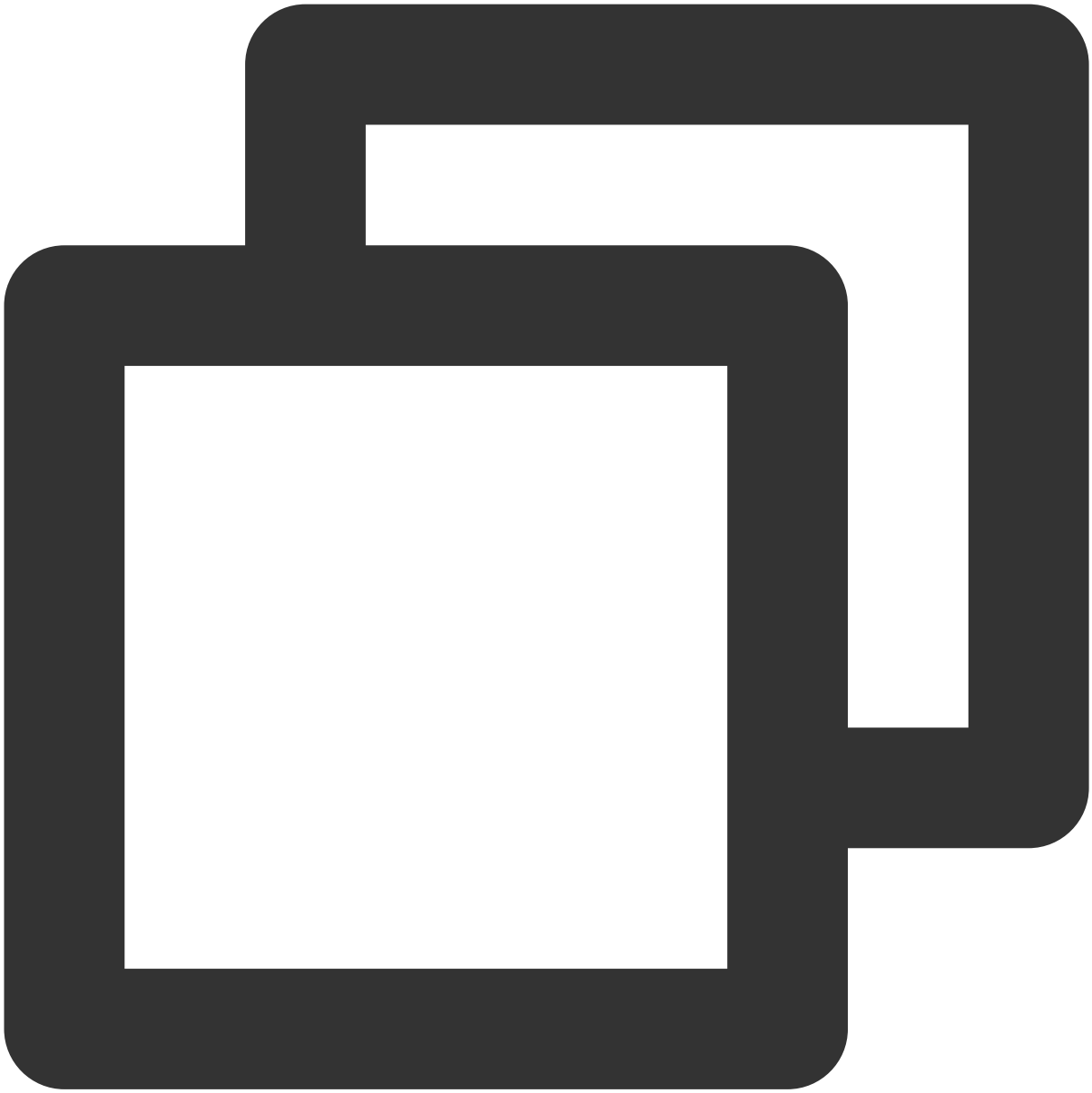
Feature Description

This API is used to submit a top speed codec transcoding job.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

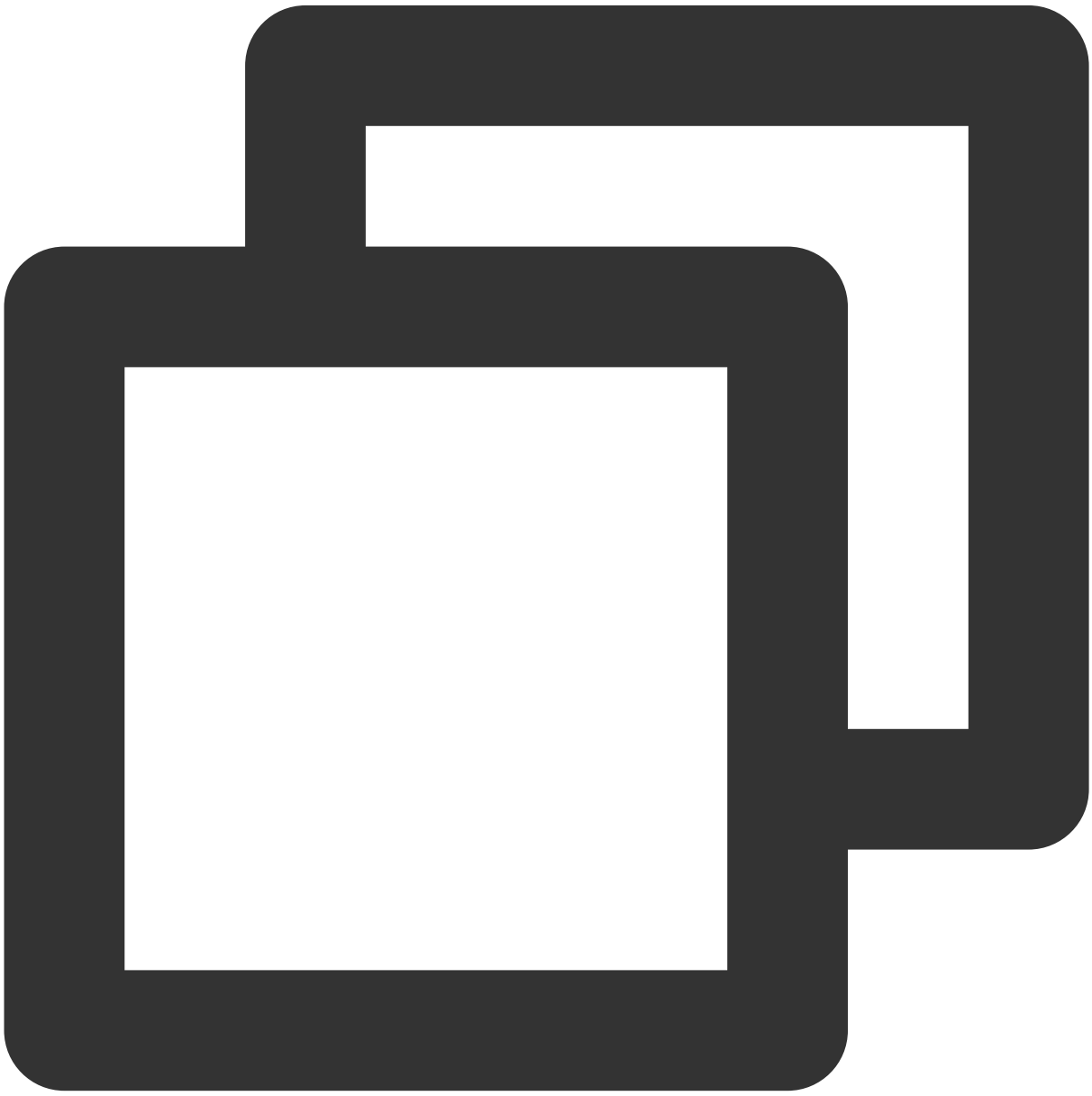
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Transcode</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTemplateI
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: Transcode	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes

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QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TemplateId	Request.Operation	ID of the top speed codec transcoding template.	String	No
WatermarkTemplateId	Request.Operation	Watermark template ID. Multiple watermark template IDs can be passed in.	String	No
Watermark	Request.Operation	Watermark template parameter. Same as `Request.Watermark` in the watermark template creation API CreateMediaTemplate.	Container	No
DigitalWatermark	Request.Operation	Specifies the digital watermark parameter	Container	No

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Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` , `1` , `2` . Default value: `0` .	String	No

Note:

For the watermark parameter, `WatermarkTemplateId` or `Watermark` can be used for configuration, and `WatermarkTemplateId` is used first.

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Message	Request.Operation.DigitalWatermark	The string embedded by the digital watermark, which can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).	string	Yes
Type	Request.Operation.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String	Yes
Version	Request.Operation.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String	Yes
IgnoreError	Request.Operation.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true` , `false` (default value).	string	Yes

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required

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Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Output result filename	String	Yes

Response

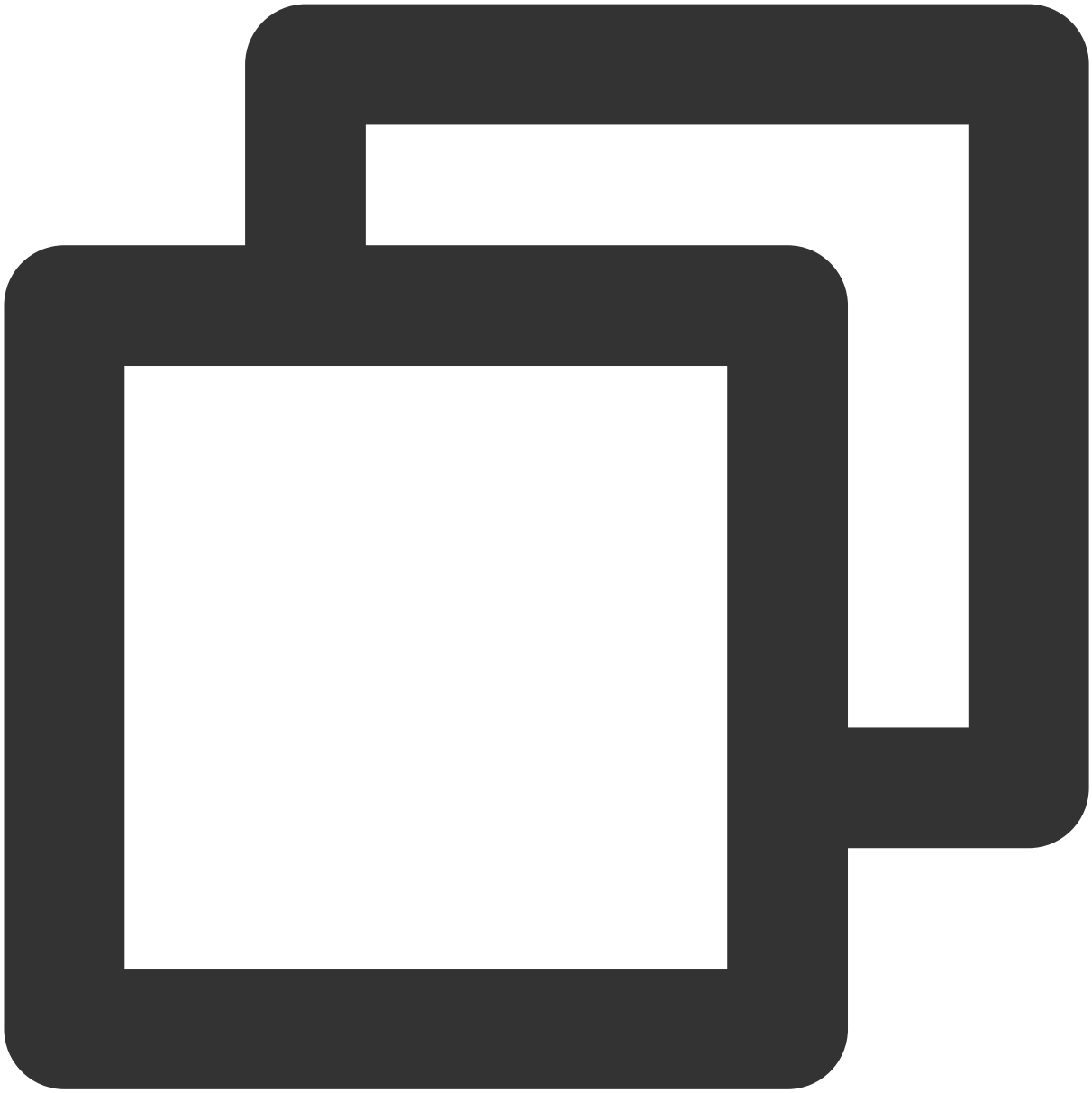
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <Progress>0</Progress>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
```

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```
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>high_993874</TemplateName>
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type

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Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: Transcode	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
Progress	Response.JobsDetail	Task progress in percentage, which is returned only if `State` is `Submitted`, `Running`, `Success`, or `Pause`. Value range: [0, 100].	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be	String

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		returned if `TemplateId` exists.	
Watermark	Response.JobsDetail.Operation	Same as `Request.Operation.Watermark` in the request.	Contair array
WatermarkTemplateId	Response.JobsDetail.Operation	Watermark template ID.	String array
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Contair
MediaInfo	Response.JobsDetail.Operation	Media information of the output file, which will not be returned when the job is not completed.	Contair
MediaResult	Response.JobsDetail.Operation	Basic information of the output file, which will not be returned when the job is not completed.	Contair
DigitalWatermark	Response.JobsDetail.Operation	Digital watermark parameter.	Contair
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority.	String

`MediaInfo` has the following sub-nodes:

Same as the `Response.MediaInfo` node in the `GenerateMediaInfo` API.

`MediaResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
OutputFile	Response.Operation.MediaResult	Basic information of the output file.	Container

`OutputFile` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Bucket	Response.Operation.MediaResult.OutputFile	Bucket of the output file.	String
Region	Response.Operation.MediaResult.OutputFile	Bucket region of the output file.	String

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ObjectName	Response.Operation.MediaResult.OutputFile	Output filename. There may be multiple values.	String array
Md5Info	Response.Operation.MediaResult.OutputFile	MD5 information of the output file.	Container array

`Md5Info` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
ObjectName	Response.Operation.MediaResult.OutputFile.Md5Info	Output filename.	String
Md5	Response.Operation.MediaResult.OutputFile.Md5Info	MD5 value of the output file.	Container

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Message	Response.Operation.DigitalWatermark	The string in the digital watermark successfully embedded in the video, which can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).	string
Type	Response.Operation.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String
Version	Response.Operation.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String
IgnoreError	Response.Operation.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true`, `false` (default value).	string
State	Response.Operation.DigitalWatermark	Whether the watermark is added successfully. Valid values: `Running`, `Success`, `Failed`.	string

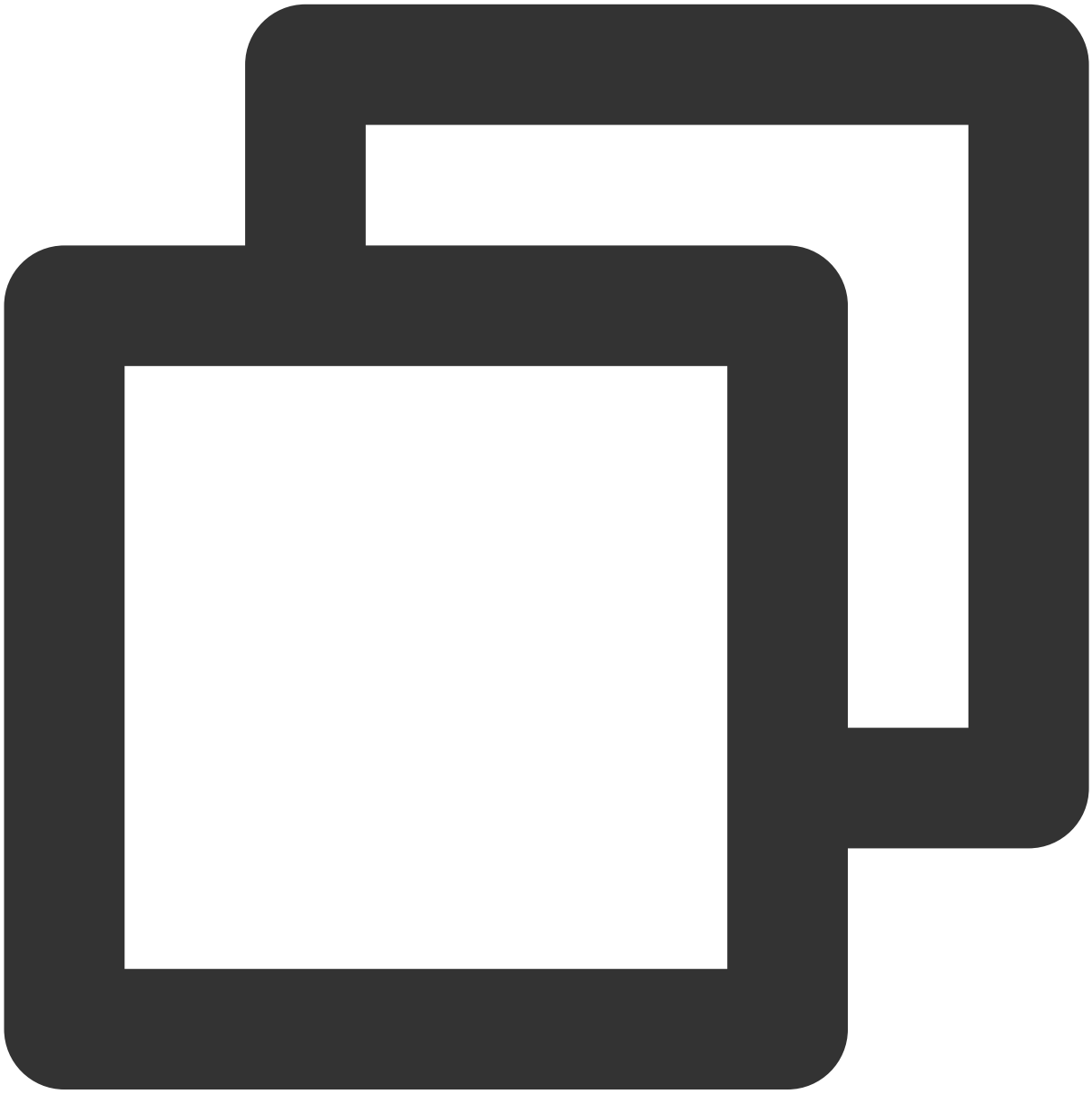
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

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Samples

Request



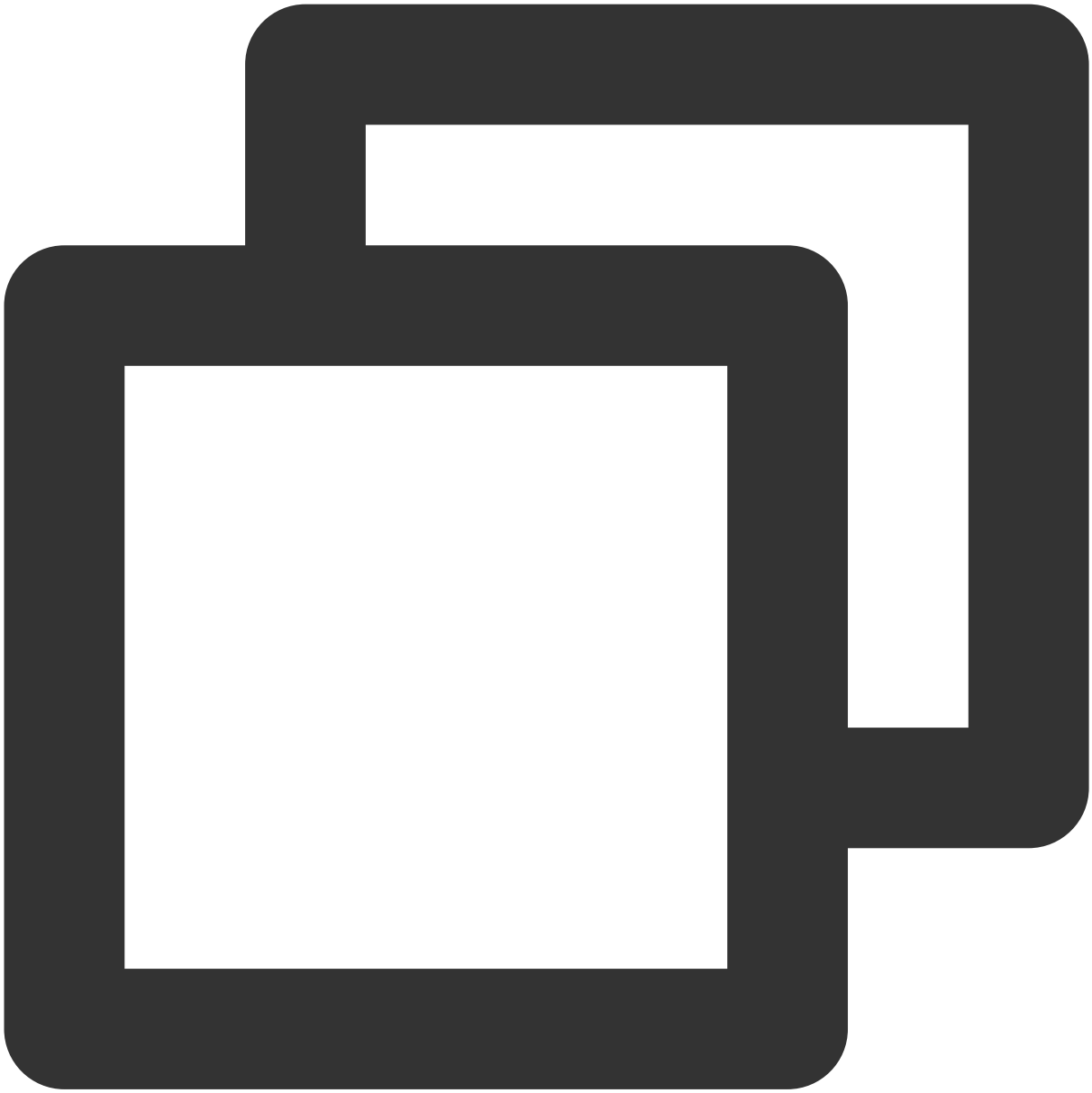
```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml
```

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```
<Request>
    <Tag>Transcode</Tag>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTemplateI
        <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTemplateI
        <DigitalWatermark>
            <Type>Text</Type>
            <Message>123456789ab</Message>
            <Version>V1</Version>
            <IgnoreError>false</IgnoreError>
        </DigitalWatermark>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.mp4</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Submitted</State>
        <Progress>0</Progress>
        <CreationTime>2022-06-27T15:23:11+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <TemplateName>high_993874</TemplateName>
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Canceling Media Processing Job CancelMediaJob

Last updated：2024-02-27 15:42:23

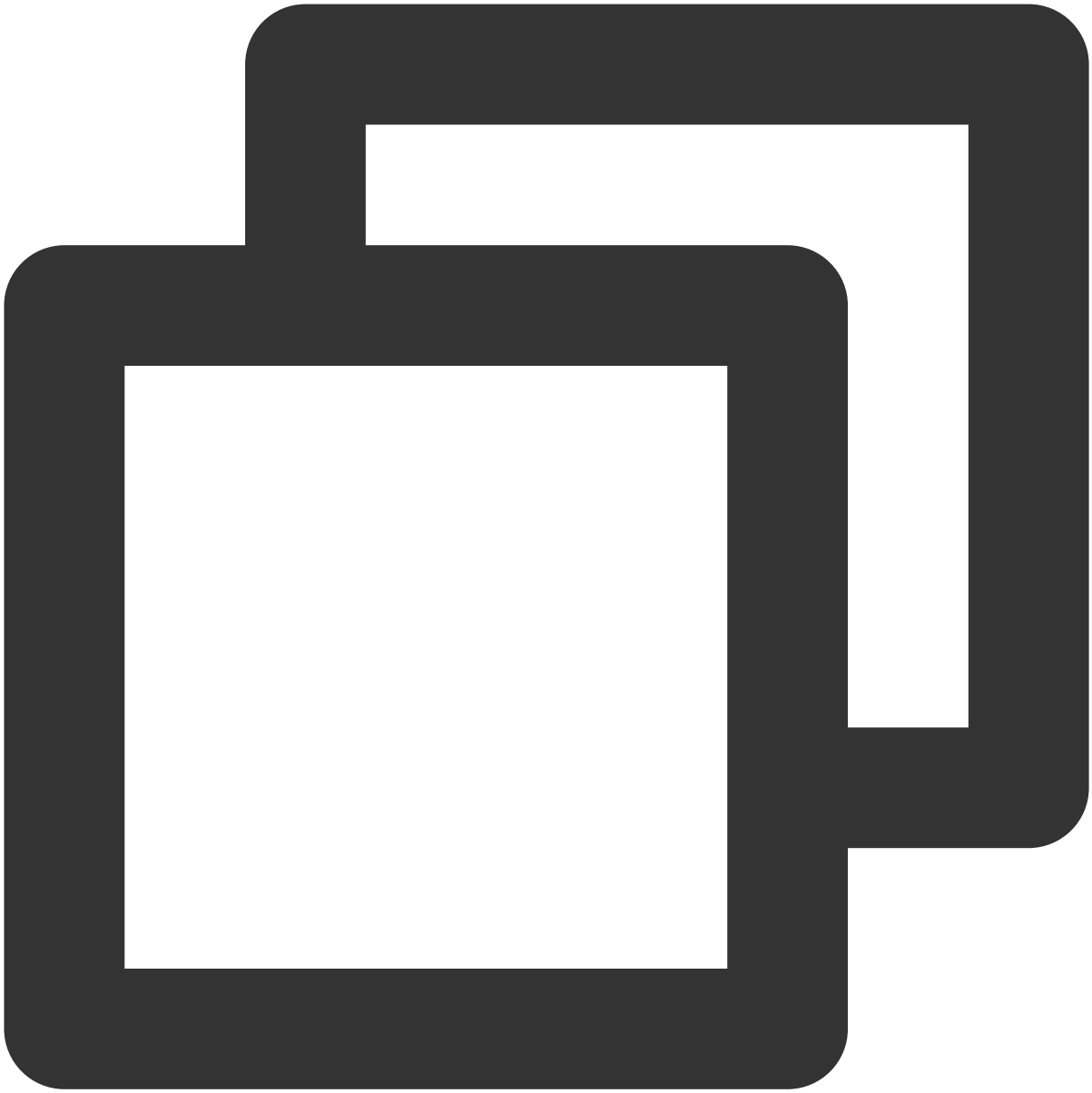
Feature Description

This API is used to cancel a job. Only pending jobs can be canceled.

Request

Sample request

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```
PUT /jobs/<jobId>?cancel HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

This request has no response body.

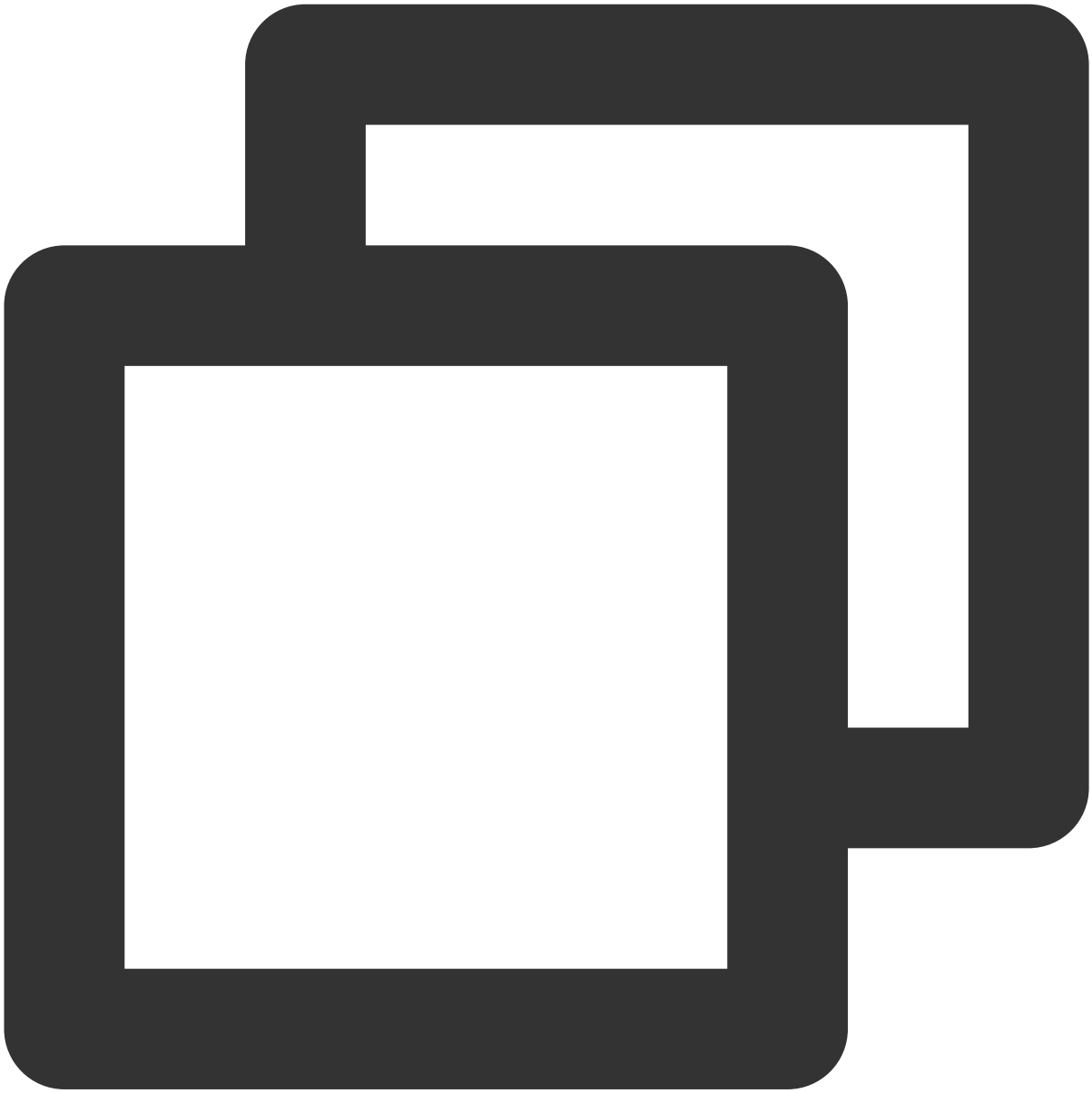
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

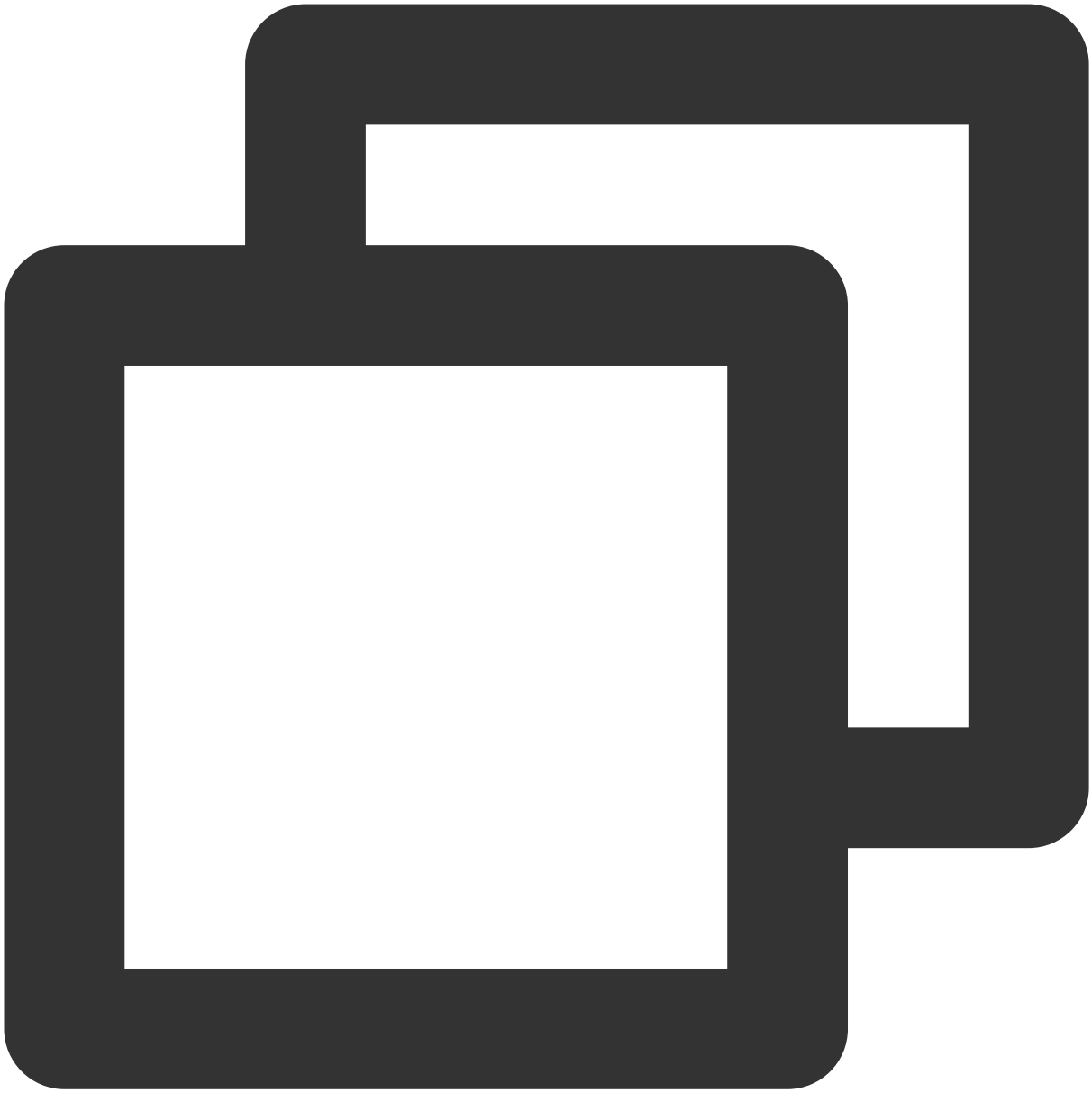
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```
PUT /jobs/jb57da17e29c111eda218713081fe2b05?cancel HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Length: 0
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjY=
```

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Querying Media Processing Job DescribeMediaJob

Last updated：2024-02-27 15:42:23

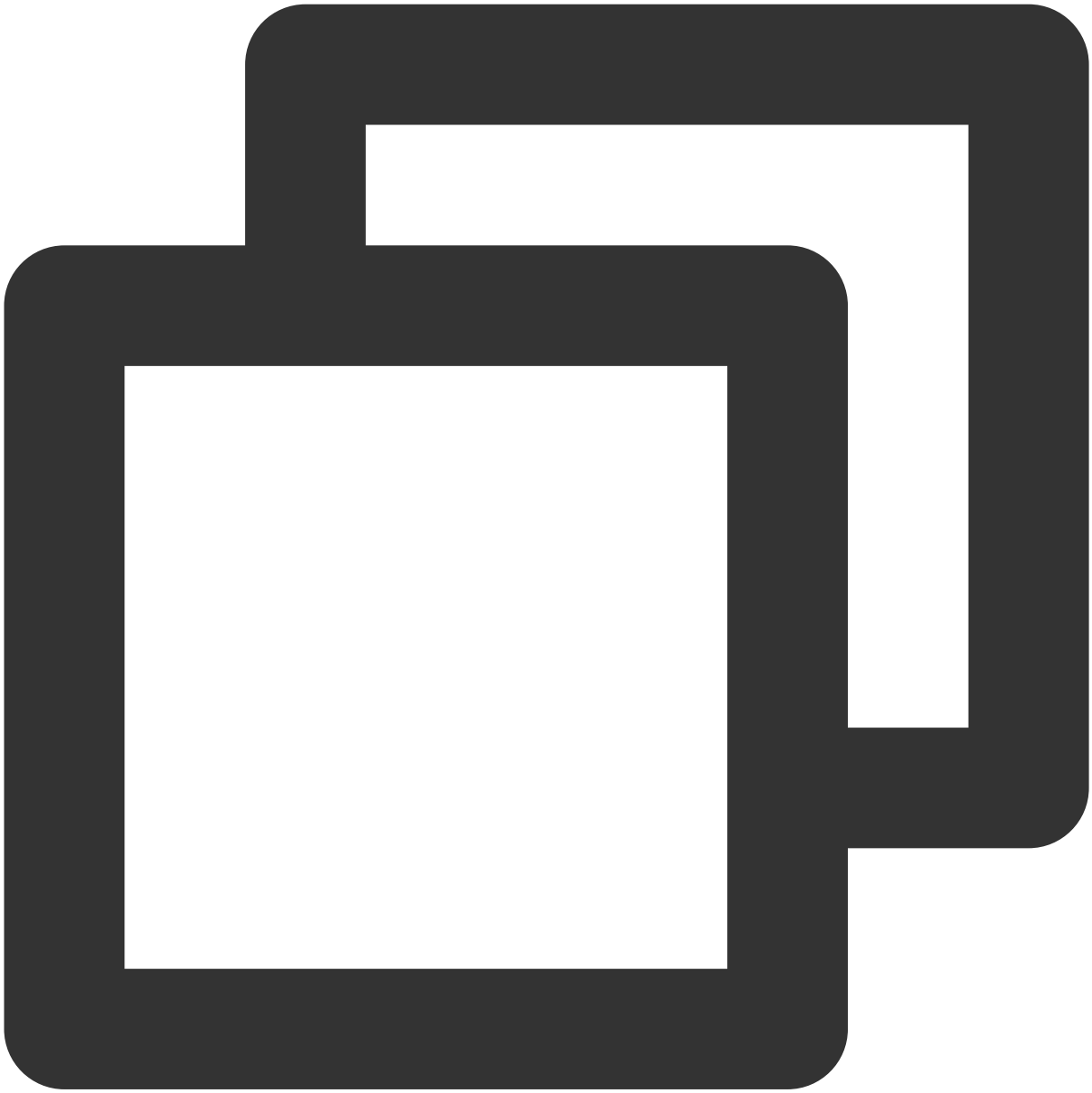
Feature Description

This API is used to query a specified job.

Request

Sample request

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```
GET /jobs/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

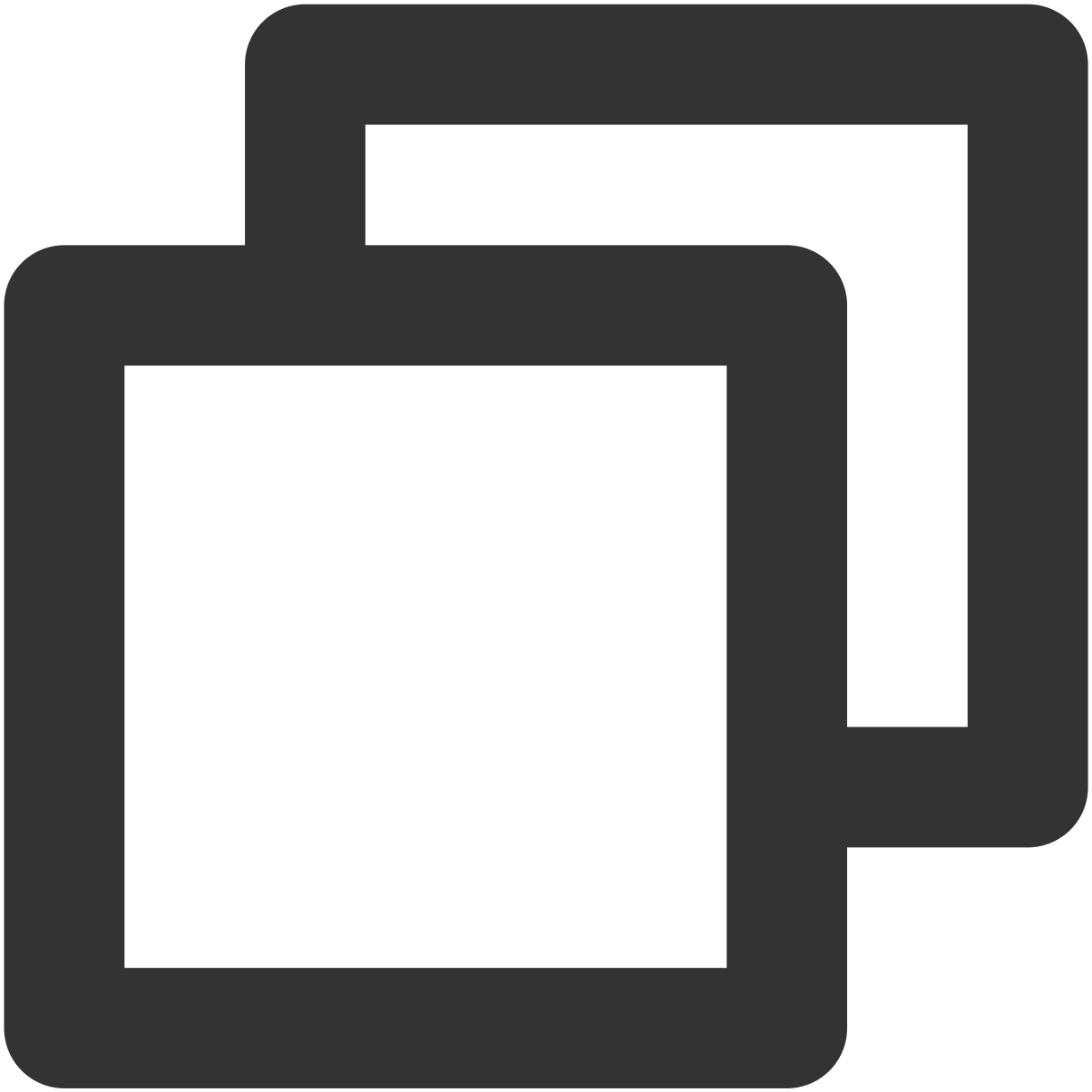
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
    </JobsDetail>
    <NonExistJobIds></NonExistJobIds>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container array
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node will not be returned.	String

The content of `JobsDetail` varies by job type. For more information, see the following documents:

Submitting Audio/Video Transcoding Job
Submitting Top Speed Codec Transcoding Job
Submitting Video-to-Animated Image Conversion Job
Submitting Video Frame Capturing Job
Submitting Intelligent Thumbnail Job
Submitting Video Splicing Job
Submitting Voice/Sound Separation Job
Submitting Video Montage Job
Submitting SDR-to-HDR Job
Submitting Video Enhancement Job
Submitting Super Resolution Job
Submitting Remuxing Job
Submitting Digital Watermark Adding Job
Submitting Digital Watermark Extracting Job
Submitting Video Tagging Job
Submitting Media Information Query Job
Submitting Stream Separation Job
Submitting Video Quality Scoring Job
Submitting Text-to-Speech Job
Submitting Audio Noise Cancellation Job

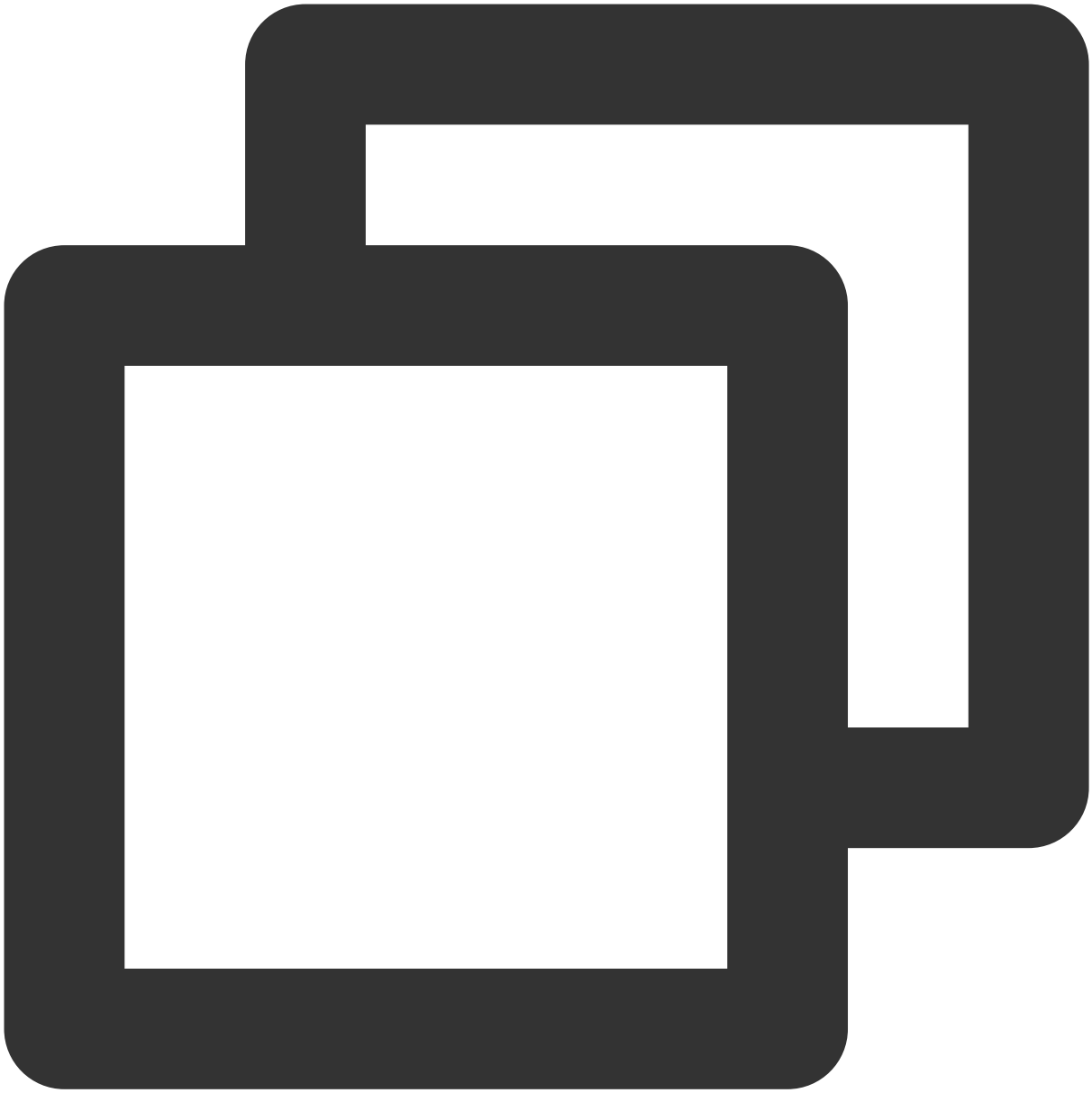
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1: Querying an ongoing job

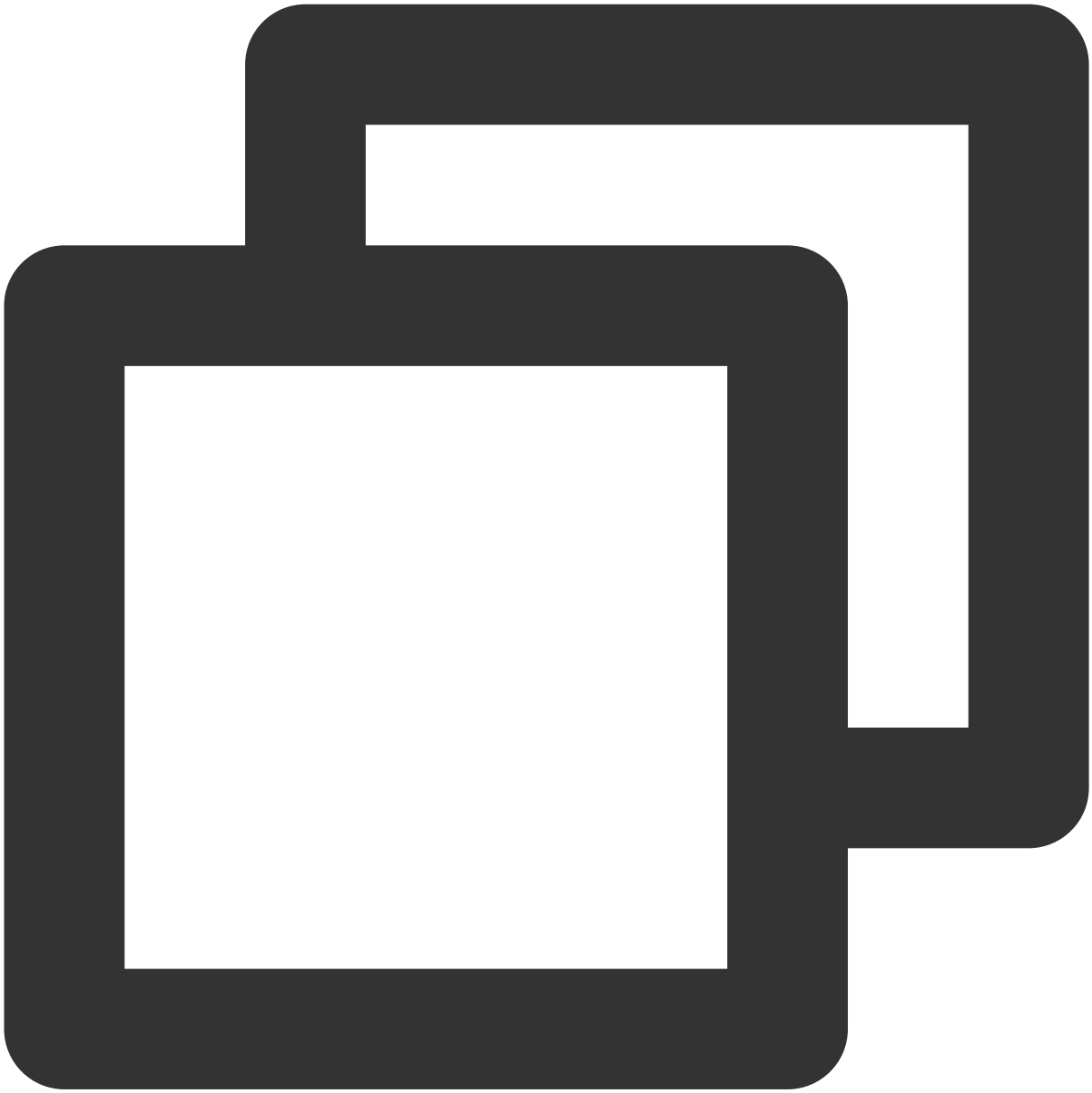
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```
GET /jobs/j8d121820f5e411ec926ef19d53ba9c6f HTTP/1.1
Accept: */*
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

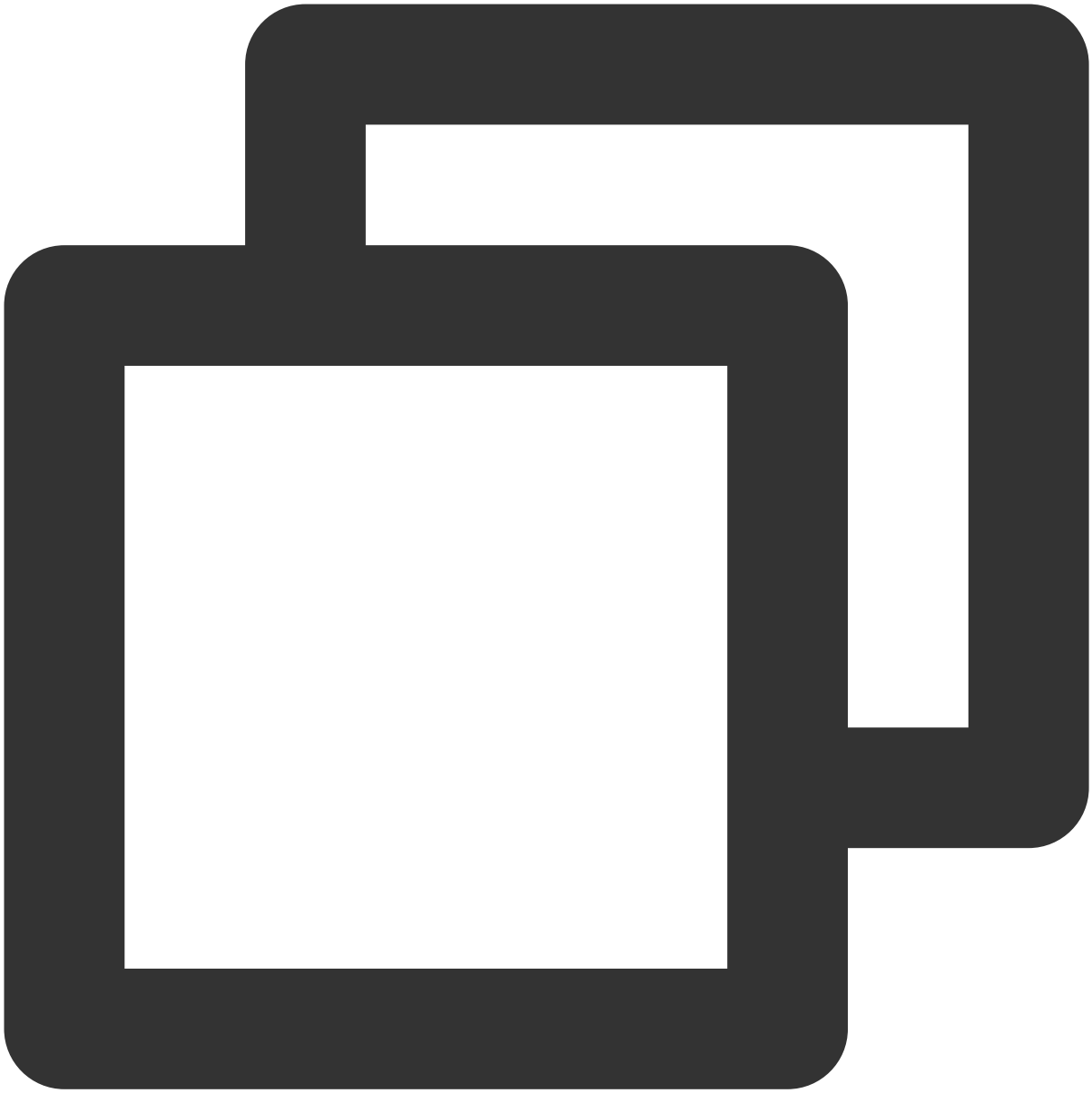
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        </Message>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Running</State>
        <Progress>30</Progress>
        <CreationTime>2022-06-27T15:23:12+0800</CreationTime>
        <StartTime>2022-06-27T15:23:13+0800</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <RemoveWatermark>
                <Dx>150</Dx>
                <Dy>150</Dy>
                <Width>75</Width>
                <Height>75</Height>
            </RemoveWatermark>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2: Querying a successfully completed job

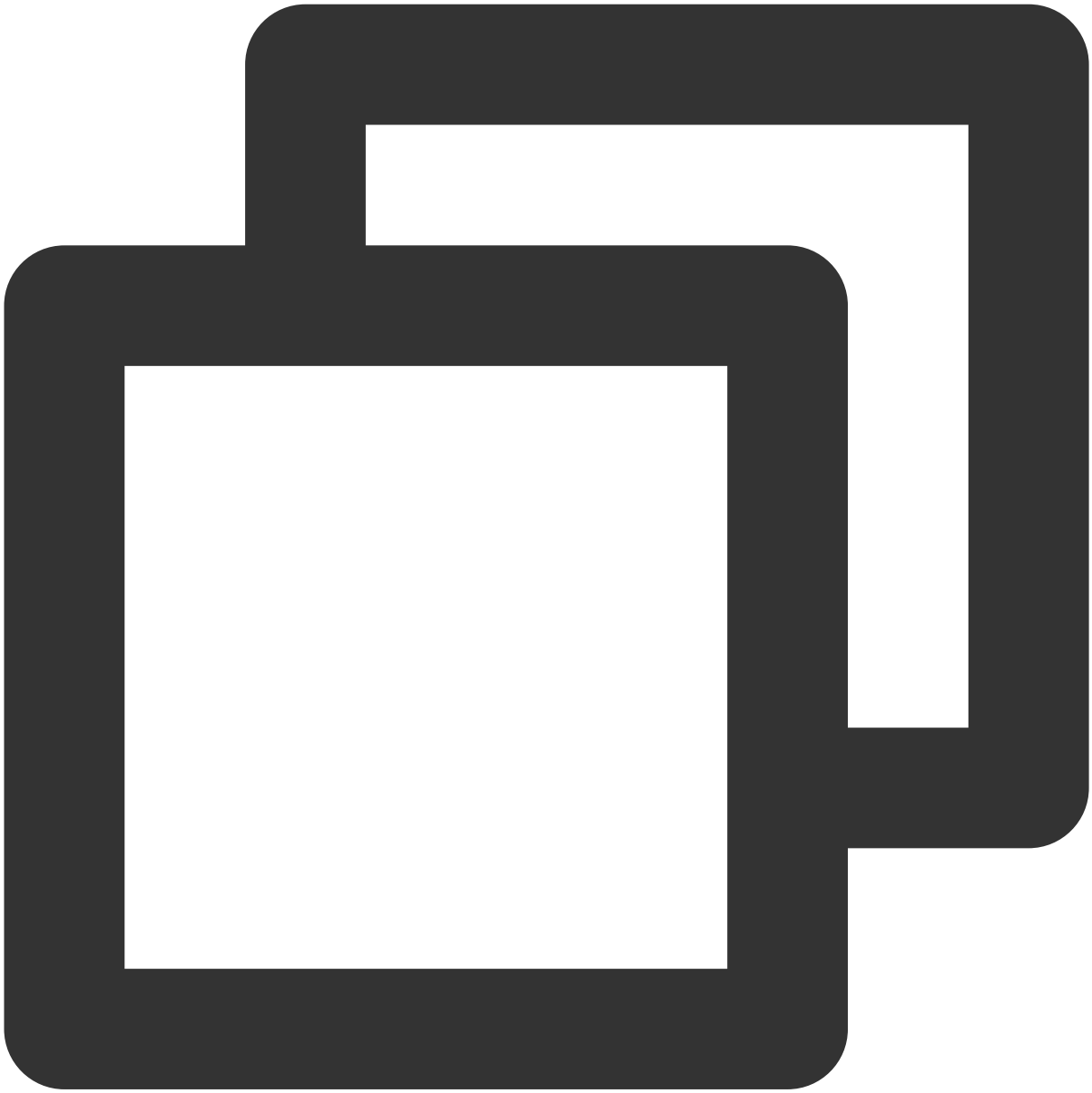
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```
GET /jobs/j9c0a4726f6ac11ec96aaa9b64ab18d00 HTTP/1.1
Accept: */*
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:25:22 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjY=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        </Message>
        <JobId>j9c0a4726f6ac11ec96aaa9b64ab18d00</JobId>
        <State>Success</State>
        <Progress>100</Progress>
        <CreationTime>2022-06-27T15:23:12+0800</CreationTime>
        <StartTime>2022-06-27T15:23:13+0800</StartTime>
        <EndTime>2022-06-27T15:24:33+0800</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <RemoveWatermark>
                <Dx>150</Dx>
                <Dy>150</Dy>
                <Width>75</Width>
                <Height>75</Height>
            </RemoveWatermark>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
            <MediaInfo>
                <Format>
                    <Bitrate>834.736000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
```

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```
                <Size>1424687</Size>
                <StartTime>0.000000</StartTime>
            </Format>
            <Stream>
                <Audio>
                    <Bitrate>104.047000</Bitrate>
                    <Channel>2</Channel>
                    <ChannelLayout>stereo</ChannelLayout>
                    <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                    <CodecName>aac</CodecName>
                    <CodecTag>0x6134706d</CodecTag>
                    <CodecTagString>mp4a</CodecTagString>
                    <CodecTimeBase>1/44100</CodecTimeBase>
                    <Duration>13.653311</Duration>
                    <Index>1</Index>
                    <Language>und</Language>
                    <SampleFmt>fltp</SampleFmt>
                    <SampleRate>44100</SampleRate>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/44100</Timebase>
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>25.000000</AvgFps>
                    <Bitrate>763.774000</Bitrate>
                    <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                    <CodecName>h264</CodecName>
                    <CodecTag>0x31637661</CodecTag>
                    <CodecTagString>avc1</CodecTagString>
                    <CodecTimeBase>1/12800</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>12.960000</Duration>
                    <Fps>25.000000</Fps>
                    <HasBFrame>0</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>10</Level>
                    <NumFrames>324</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>High</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
```

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```
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Region>ap-chongqing</Region>
                    <ObjectName>output/out.mp4</ObjectName>
                    <Md5Info>
                            <Md5>3df1f845d2ffd20a525a93ec40014d90</Md5>
                            <ObjectName>output/out.mp4</ObjectName>
                    </Md5Info>
                </OutputFile>
            </MediaResult>
        </Operation>
    </JobsDetail>
</Response>
```

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DescribeMediaJobs

Last updated：2024-02-27 15:42:23

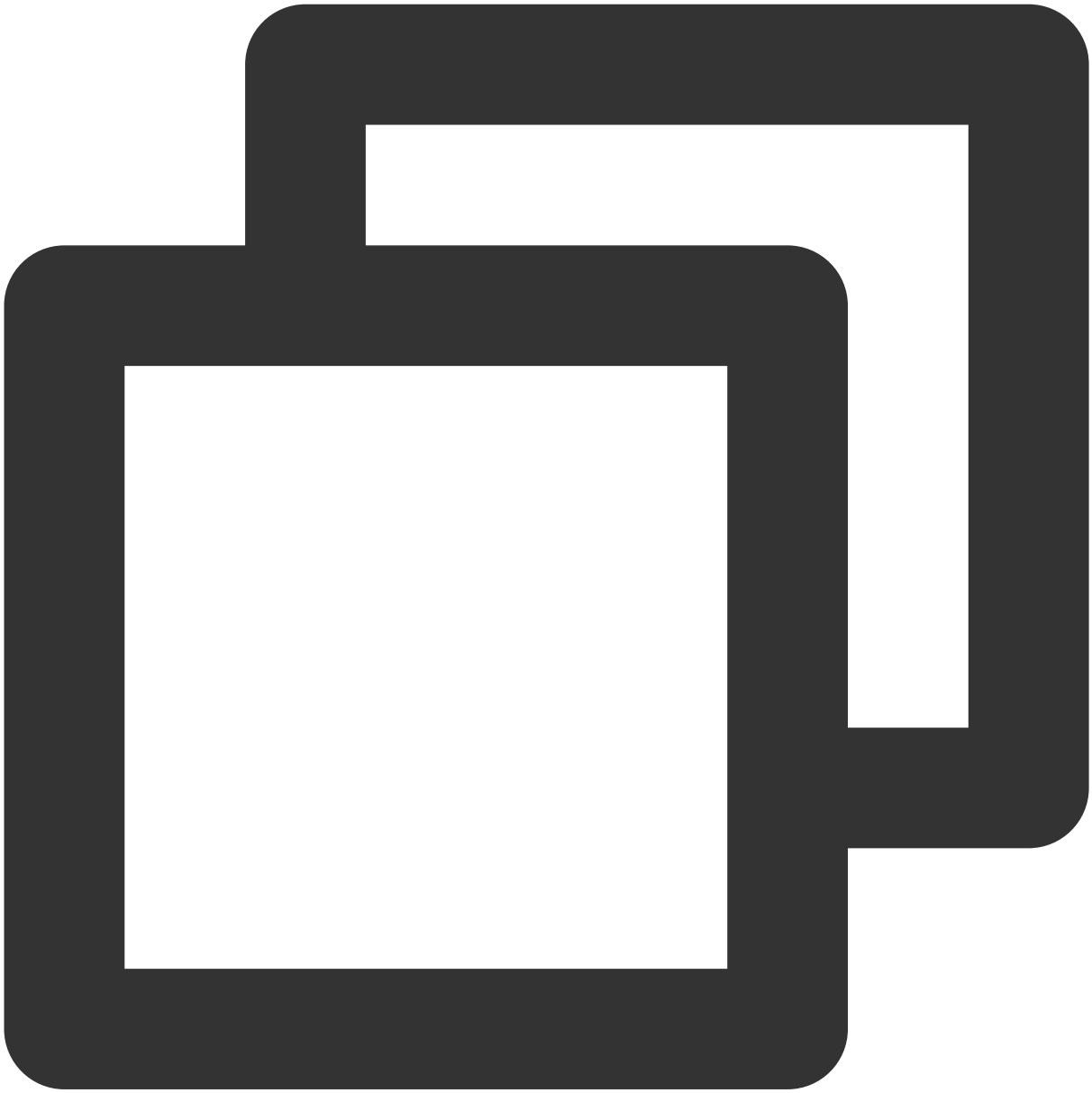
Feature Description

The API is used to pull jobs that meet specified conditions.

Request

Sample request

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```
GET /jobs?size=&states=&queueId=&startCreationTime=&endCreationTime= HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

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Request parameters

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
queueId	None	ID of the queue from which jobs are pulled.	String	Yes
tag	None	Job tag	String	Yes
workflowId	None	ID of the workflow triggering this job	String	No
inventoryTriggerJobId	None	ID of the batch data processing job triggering this job	String	No
inputObject	None	Name of the input file for this job, which currently supports only exact match.	String	No
orderByTime	None	`Desc` (default) or `Asc`	String	No
nextToken	None	Context token for pagination	String	No
size	None	Maximum number of jobs that can be pulled. The default value is `10` . The maximum value is `100` .	Integer	No
states	None	Status of the jobs to pull. If you enter multiple job statuses, separate them by comma. Valid values: `All` (default), `Submitted` , `Running` , `Success` , `Failed` , `Pause` , `Cancel` .	String	No
startCreationTime	None	Start time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z` , such as `2001-01-01T00:00:00+0800`	String	No
endCreationTime	None	End time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z` , such as `2001-01-01T23:59:59+0800`	String	No

Supported `tag` types are as follows:

Job type	`tag`
Audio/Video transcoding	Transcode
Video-to-animated image conversion	Animation

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Screenshot	Snapshot
Intelligent thumbnail	SmartCover
Audio/Video splicing	Concat
Voice/Sound separation	VoiceSeparate
Video montage	VideoMontage
SDR to HDR	SDRtoHDR
Video enhancement	VideoProcess
Super resolution	SuperResolution
Audio/Video remuxing	Segment
Digital watermark	DigitalWatermark
Digital watermark extraction	ExtractDigitalWatermark
Video tagging	VideoTag
Media information query	MediaInfo
Audio/Video stream separation	StreamExtract
Video quality analysis	QualityEstimate
Text to speech	Tts
Audio noise cancellation	NoiseReduction

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

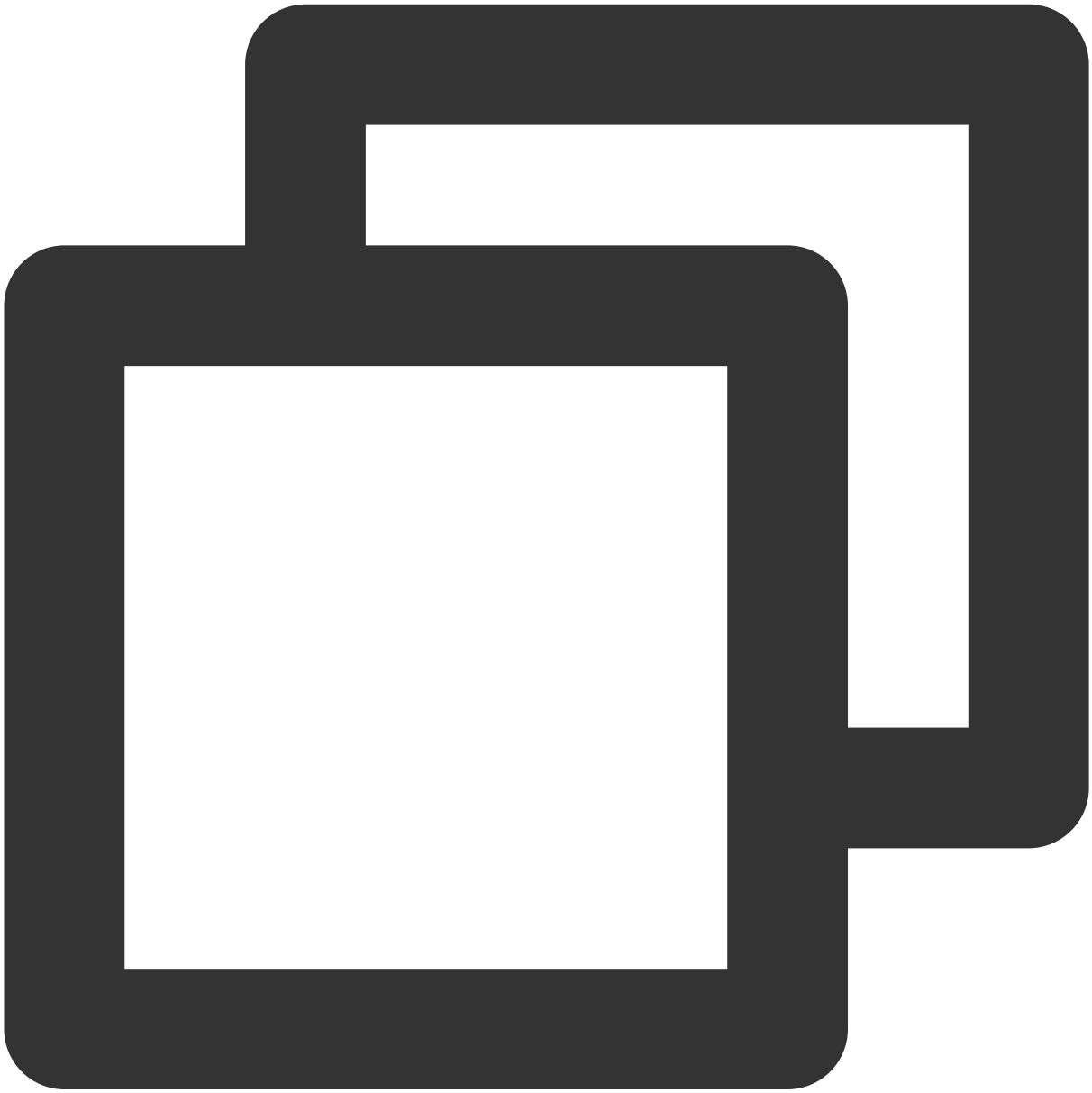
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

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Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <JobsDetail>
        ...
    </JobsDetail>
    <NextToken></NextToken>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container array
NextToken	Response	Context token for pagination	String

The content of `JobsDetail` varies by job type. For more information, see the following documents:

Submitting Video Transcoding Job
Submitting Top Speed Codec Transcoding Job
Submitting Video-to-Animated Image Conversion Job
Submitting Video Frame Capturing Job
Submitting Intelligent Thumbnail Job
Submitting Video Splicing Job
Submitting Voice/Sound Separation Job
Submitting Video Montage Job
Submitting SDR-to-HDR Job
Submitting Video Enhancement Job
Submitting Super Resolution Job
Submitting Remuxing Job
Submitting Digital Watermark Adding Job
Submitting Digital Watermark Extracting Job
Submitting Video Tagging Job
Submitting Media Information Query Job
Submitting Stream Separation Job
Submitting Video Quality Scoring Job
Submitting Text-to-Speech Job
Submitting Audio Noise Cancellation Job

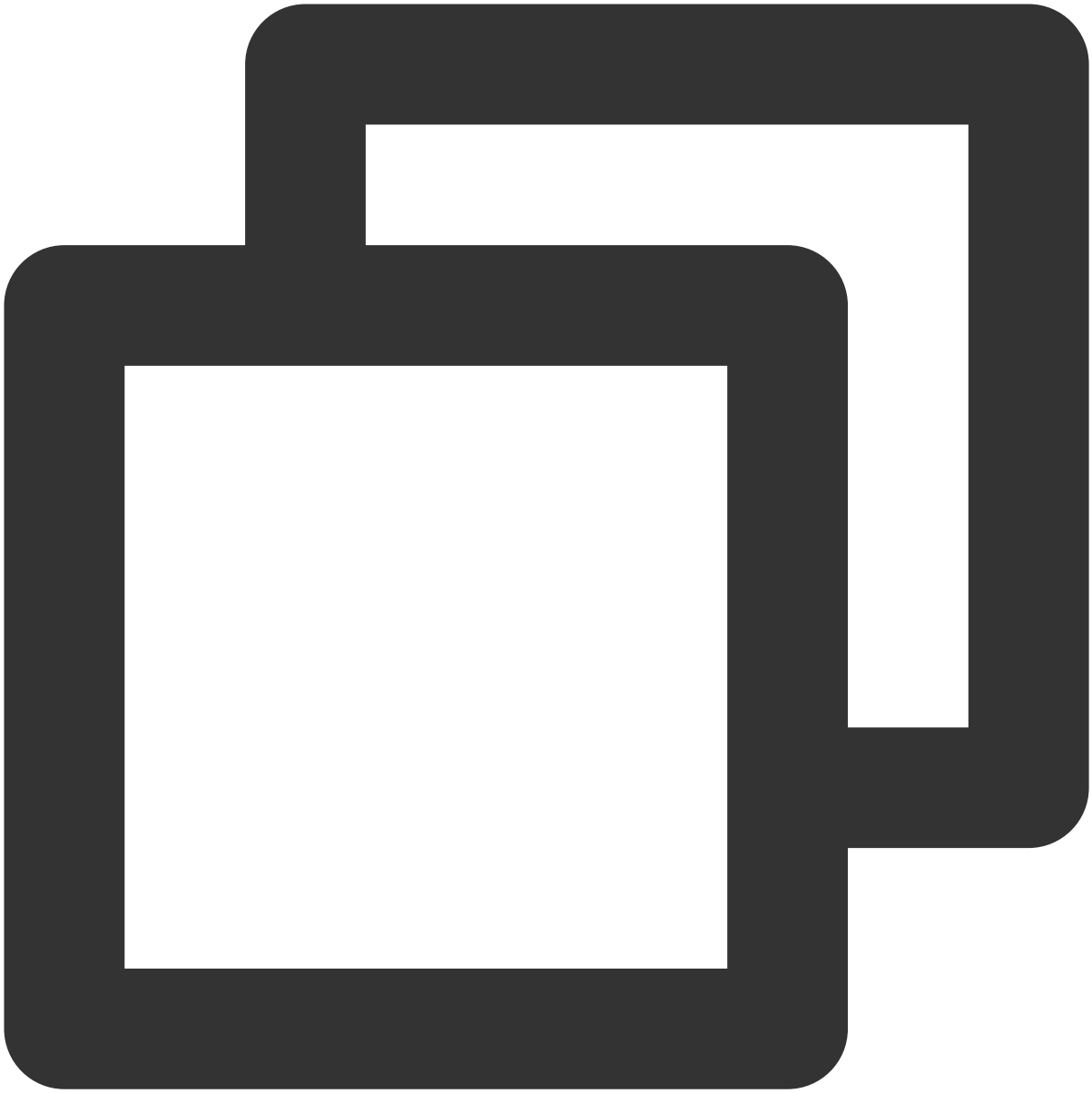
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

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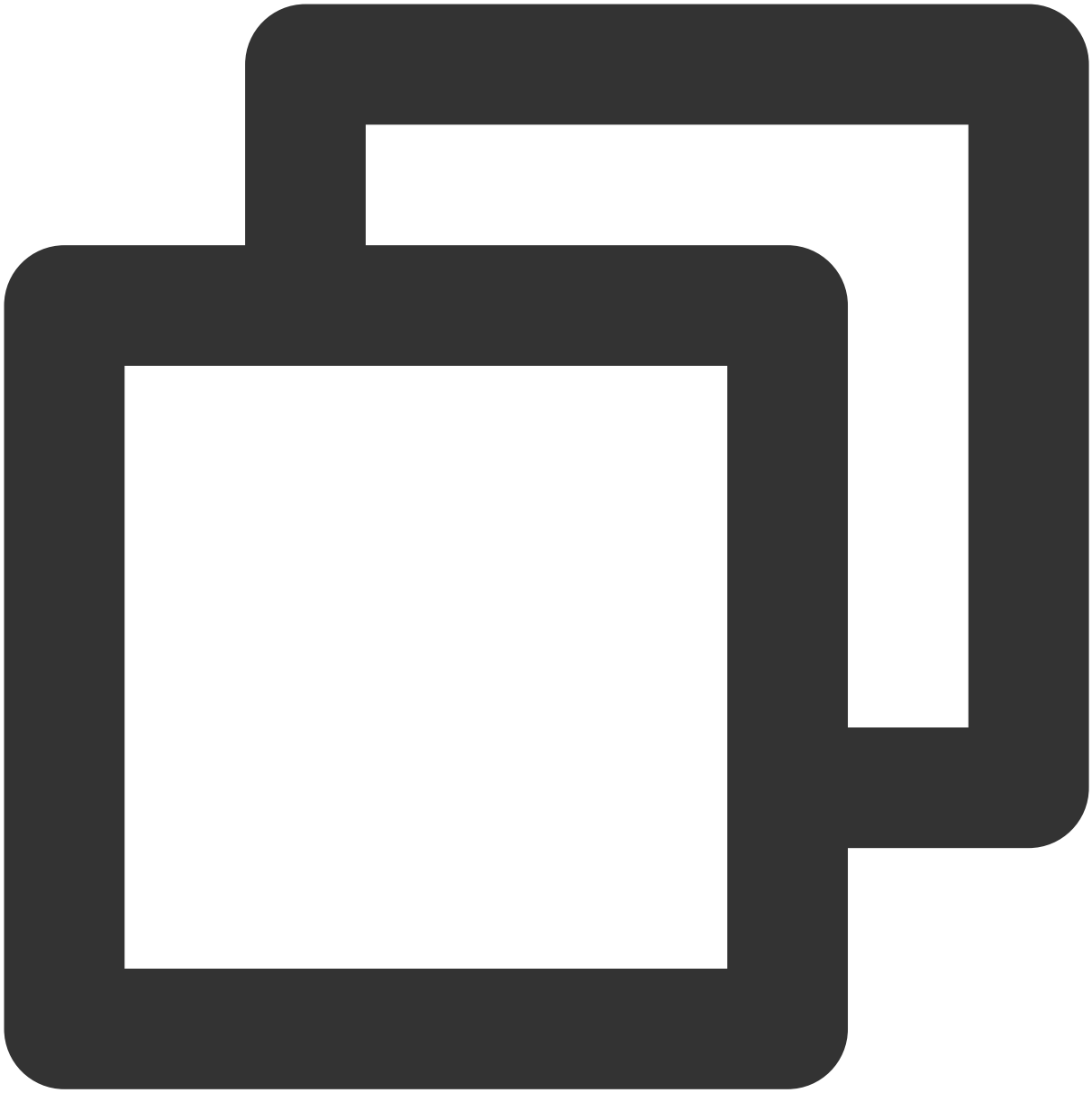
Request



```
GET /jobs?queueId=p2242ab62c7c94486915508540933a2c6&tag=Transcode HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        </Message>
        <JobId>j8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Running</State>
        <Progress>30</Progress>
        <CreationTime>2022-06-27T15:23:12+0800</CreationTime>
        <StartTime>2022-06-27T15:23:13+0800</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <RemoveWatermark>
                <Dx>150</Dx>
                <Dy>150</Dy>
                <Width>75</Width>
                <Height>75</Height>
            </RemoveWatermark>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
    <JobsDetail>
        <Code>Success</Code>
        </Message>
        <JobId>j9c0a4726f6ac11ec96aaa9b64ab18d00</JobId>
        <State>Success</State>
        <Progress>100</Progress>
```

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```
        <CreationTime>2022-06-27T15:23:12+0800</CreationTime>
        <StartTime>2022-06-27T15:23:13+0800</StartTime>
        <EndTime>2022-06-27T15:24:33+0800</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Tag>Transcode</Tag>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe22</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe23</WatermarkTempl
            <WatermarkTemplateId>t1318c5f428d474afba1797f84091cbe24</WatermarkTempl
            <RemoveWatermark>
                <Dx>150</Dx>
                <Dy>150</Dy>
                <Width>75</Width>
                <Height>75</Height>
            </RemoveWatermark>
            <DigitalWatermark>
                <Type>Text</Type>
                <Message>123456789ab</Message>
                <Version>V1</Version>
                <IgnoreError>false</IgnoreError>
                <State>Running</State>
            </DigitalWatermark>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/out.mp4</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
            <MediaInfo>
                <Format>
                    <Bitrate>834.736000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>1424687</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
```

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```
                <Audio>
                    <Bitrate>104.047000</Bitrate>
                    <Channel>2</Channel>
                    <ChannelLayout>stereo</ChannelLayout>
                    <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                    <CodecName>aac</CodecName>
                    <CodecTag>0x6134706d</CodecTag>
                    <CodecTagString>mp4a</CodecTagString>
                    <CodecTimeBase>1/44100</CodecTimeBase>
                    <Duration>13.653311</Duration>
                    <Index>1</Index>
                    <Language>und</Language>
                    <SampleFmt>fltp</SampleFmt>
                    <SampleRate>44100</SampleRate>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/44100</Timebase>
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>25.000000</AvgFps>
                    <Bitrate>763.774000</Bitrate>
                    <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                    <CodecName>h264</CodecName>
                    <CodecTag>0x31637661</CodecTag>
                    <CodecTagString>avc1</CodecTagString>
                    <CodecTimeBase>1/12800</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>12.960000</Duration>
                    <Fps>25.000000</Fps>
                    <HasBFrame>0</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>10</Level>
                    <NumFrames>324</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>High</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>544</Width>
                </Video>
            </Stream>
        </MediaInfo>
```

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```
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Region>ap-chongqing</Region>
                    <ObjectName>output/out.mp4</ObjectName>
                    <Md5Info>
                            <Md5>3df1f845d2ffd20a525a93ec40014d90</Md5>
                            <ObjectName>output/out.mp4</ObjectName>
                    </Md5Info>
                </OutputFile>
            </MediaResult>
        </Operation>
    </JobsDetail>
    <NextToken>225508</NextToken>
</Response>
```

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Media Processing Job Callback
Video-to-Animated Image Conversion

Last updated：2024-02-27 15:42:23

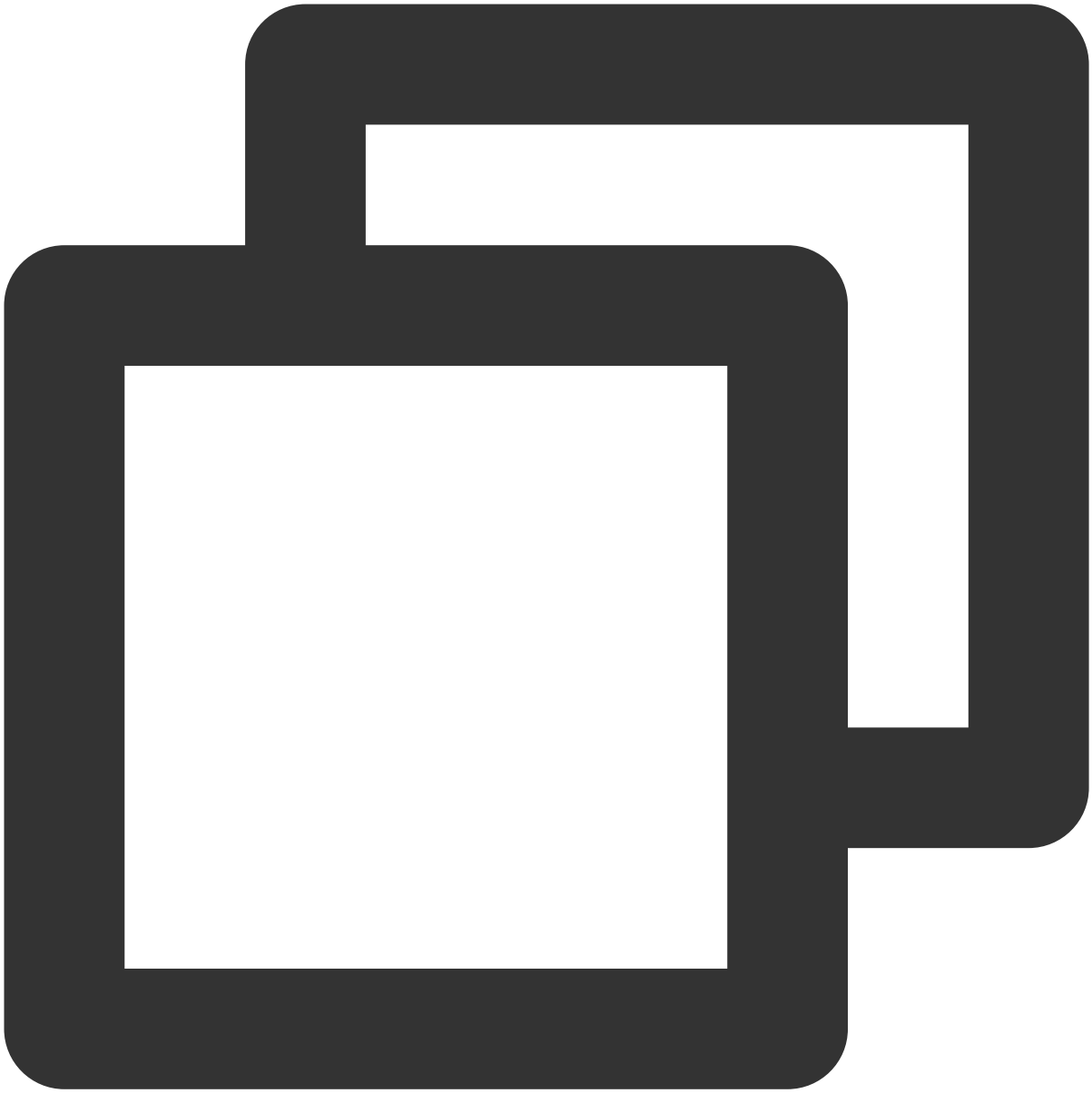
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:29:48+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j682b9662f84611ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>97624.424000</Bitrate>
                    <Duration>0.870000</Duration>
                    <FormatLongName>CompuServe Graphics Interchange Format (GIF)</F
                    <FormatName>gif</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>1</NumStream>
                    <Size>10616656</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video>
                        <AvgFps>14.666667</AvgFps>
                        <CodecLongName>CompuServe GIF (Graphics Interchange Format)
                        <CodecName>gif</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/100</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Duration>0.870000</Duration>
                        <Fps>15.083333</Fps>
                        <HasBFrame>0</HasBFrame>
                        <Height>2258</Height>
                        <Index>0</Index>
                        <Level>-99</Level>
                        <NumFrames>7</NumFrames>
                        <PixFormat>bgra</PixFormat>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/100</Timebase>
                        <Width>1280</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
```

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```
                        <Md5>3df1f845d2ffd20a525a93ec40014d90</Md5>
                        <ObjectName>output/animation.gif</ObjectName>
                    </Md5Info>
                    <ObjectName>output/animation.gif</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/animation.gif</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
            <TemplateName>template_name1512456</TemplateName>
            <UserData>This is my Animation job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:43+0800</StartTime>
        <State>Success</State>
        <Tag>Animation</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the animated image job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name	Parent Node	Description	Type

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(Keyword)			
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

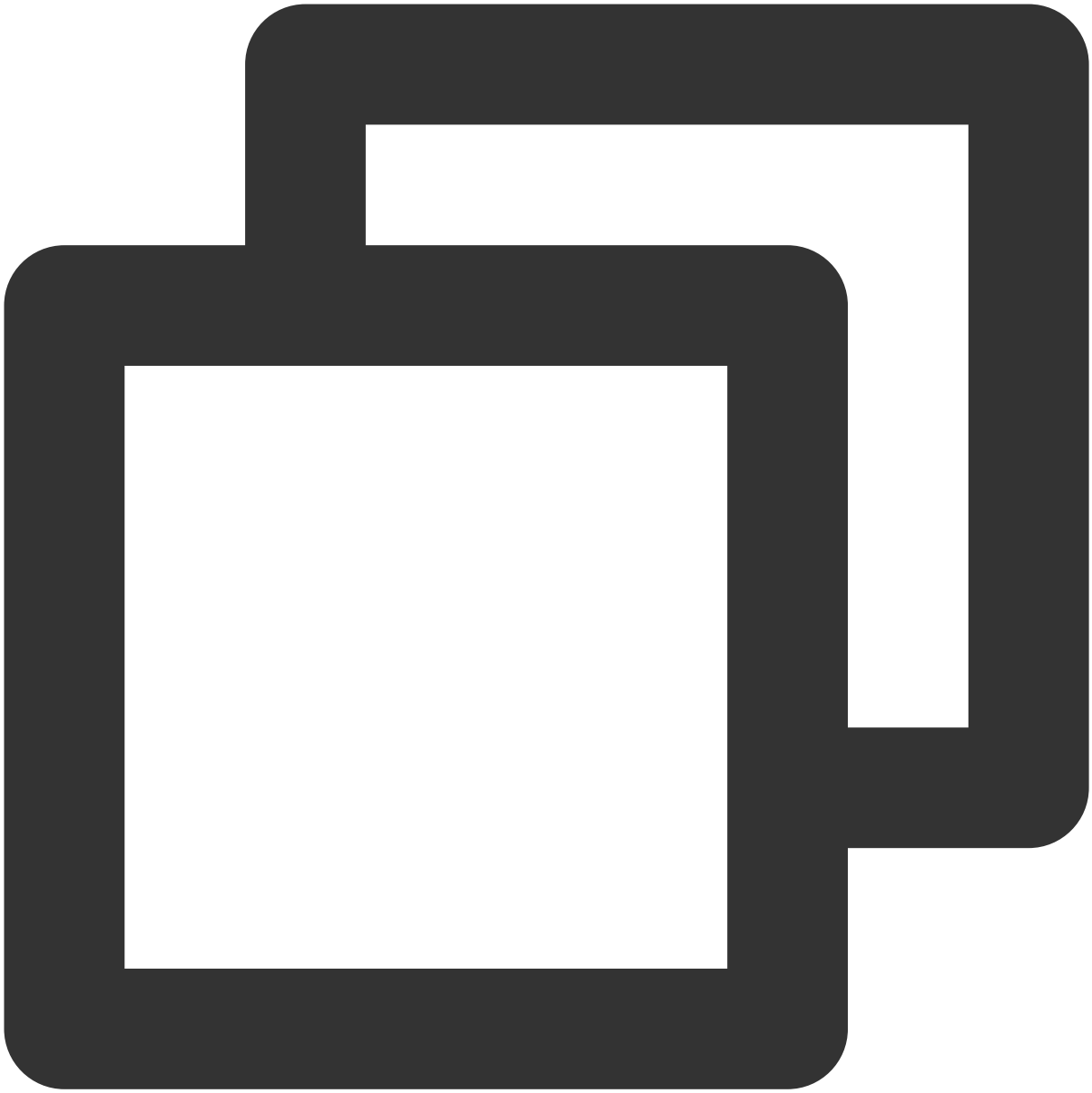
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:29:48+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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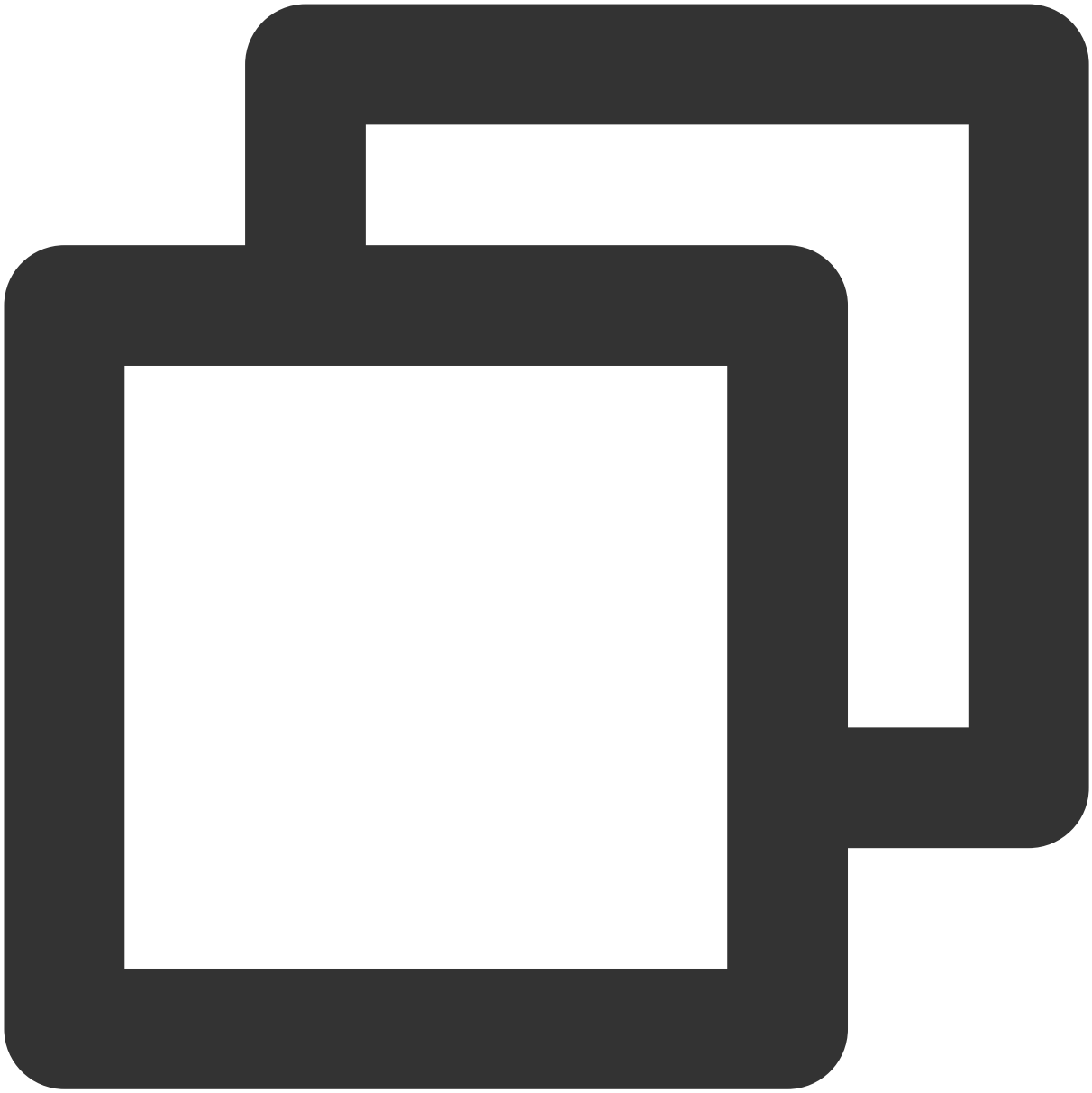
```
        <JobId>j682b9662f84611ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>97624.424000</Bitrate>
                    <Duration>0.870000</Duration>
                    <FormatLongName>CompuServe Graphics Interchange Format (GIF)</F
                    <FormatName>gif</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>1</NumStream>
                    <Size>10616656</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video>
                        <AvgFps>14.666667</AvgFps>
                        <CodecLongName>CompuServe GIF (Graphics Interchange Format)
                        <CodecName>gif</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/100</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Duration>0.870000</Duration>
                        <Fps>15.083333</Fps>
                        <HasBFrame>0</HasBFrame>
                        <Height>2258</Height>
                        <Index>0</Index>
                        <Level>-99</Level>
                        <NumFrames>7</NumFrames>
                        <PixFormat>bgra</PixFormat>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/100</Timebase>
                        <Width>1280</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
```

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```
                        <Md5>3df1f845d2ffd20a525a93ec40014d90</Md5>
                        <ObjectName>output/animation.gif</ObjectName>
                    </Md5Info>
                    <ObjectName>output/animation.gif</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/animation.gif</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
            <TemplateName>template_name1512456</TemplateName>
            <UserData>This is my Animation job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:43+0800</StartTime>
        <State>Success</State>
        <Tag>Animation</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:29:48+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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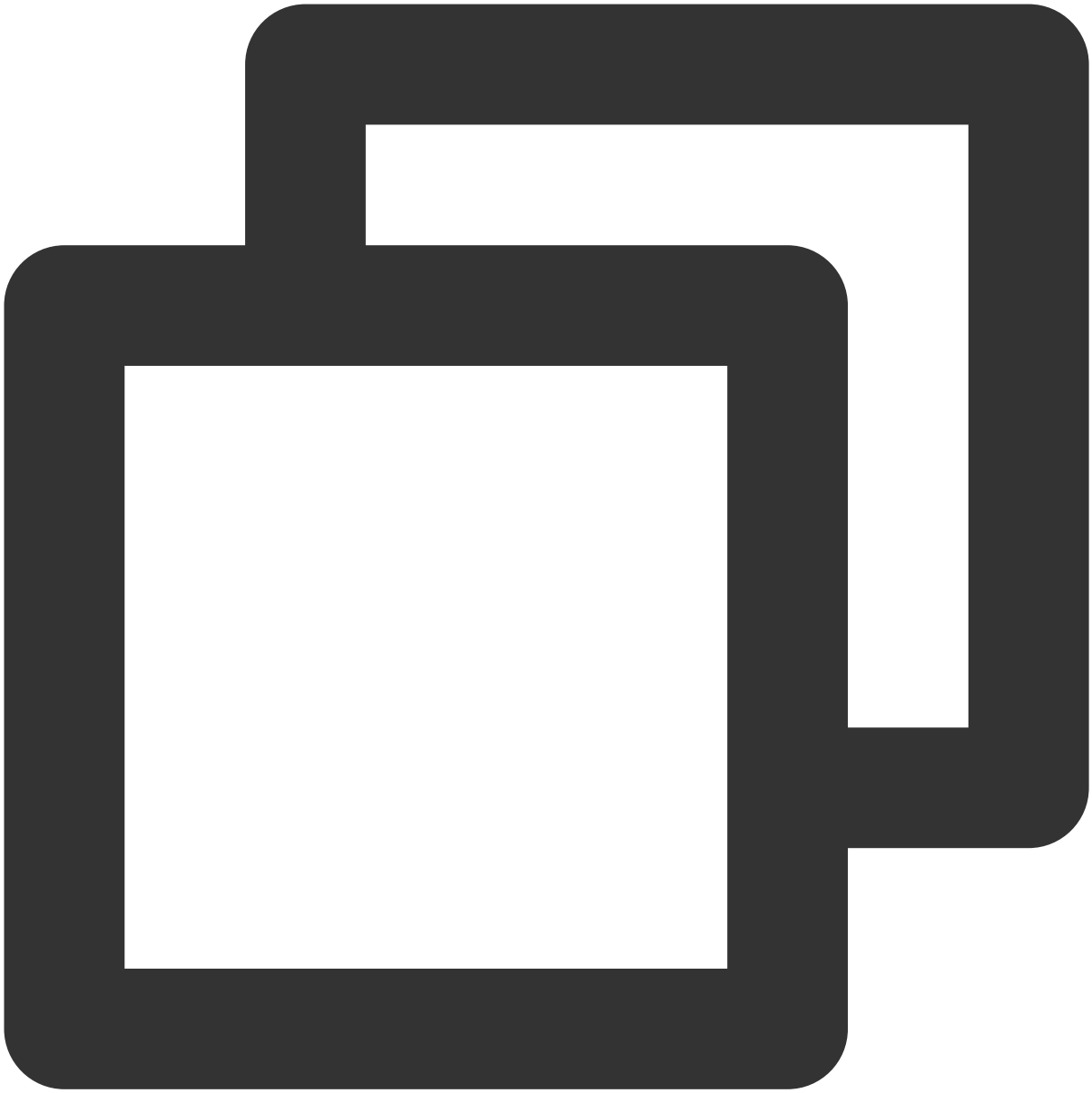
```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j682b9662f84611ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>97624.424000</Bitrate>
                    <Duration>0.870000</Duration>
                    <FormatLongName>CompuServe Graphics Interchange Format (GIF)</F
                    <FormatName>gif</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>1</NumStream>
                    <Size>10616656</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video>
                        <AvgFps>14.666667</AvgFps>
                        <CodecLongName>CompuServe GIF (Graphics Interchange Format)
                        <CodecName>gif</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/100</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Duration>0.870000</Duration>
                        <Fps>15.083333</Fps>
                        <HasBFrame>0</HasBFrame>
                        <Height>2258</Height>
```


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```
                        <Index>0</Index>
                        <Level>-99</Level>
                        <NumFrames>7</NumFrames>
                        <PixFormat>bgra</PixFormat>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/100</Timebase>
                        <Width>1280</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>3df1f845d2ffd20a525a93ec40014d90</Md5>
                        <ObjectName>output/animation.gif</ObjectName>
                    </Md5Info>
                    <ObjectName>output/animation.gif</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/animation.gif</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
            <TemplateName>template_name1512456</TemplateName>
            <UserData>This is my Animation job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:43+0800</StartTime>
        <State>Success</State>
        <Tag>Animation</Tag>
        <Workflow>
            <Name>Animation_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

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Sample 3: Job callback in JSON format triggered by a workflow




```
{
    "EventName": "TaskFinish",
    "JobsDetail": {
        "Code": "Success",
        "CreationTime": "2022-06-30T15:29:42+0800",
        "EndTime": "2022-06-30T15:29:48+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
```


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```
            "Region": "ap-chongqing",
            "CosHeaders": [{
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j682b9662f84611ecb8546d80f2baf56f",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "97624.424000",
                    "Duration": "0.870000",
                    "FormatLongName": "CompuServe Graphics Interchange Format (GIF)
                    "FormatName": "gif",
                    "NumProgram": "0",
                    "NumStream": "1",
                    "Size": "10616656",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Video": {
                        "AvgFps": "14.666667",
                        "CodecLongName": "CompuServe GIF (Graphics Interchange Form
                        "CodecName": "gif",
                        "CodecTag": "0x0000",
                        "CodecTagString": "[0][0][0][0]",
                        "CodecTimeBase": "1/100",
                        "ColorPrimaries": "unknown",
                        "ColorRange": "unknown",
                        "ColorTransfer": "unknown",
                        "Duration": "0.870000",
                        "Fps": "15.083333",
                        "HasBFrame": "0",
                        "Height": "2258",
```


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```
                        "Index": "0",
                        "Level": "-99",
                        "NumFrames": "7",
                        "PixFormat": "bgra",
                        "RefFrames": "1",
                        "Rotation": "0.000000",
                        "StartTime": "0.000000",
                        "Timebase": "1/100",
                        "Width": "1280"
                    }
                }
            },
            "MediaResult": {
                "OutputFile": {
                    "Bucket": "test-123456789",
                    "Md5Info": {
                        "Md5": "3df1f845d2ffd20a525a93ec40014d90",
                        "ObjectName": "output/animation.gif"
                    },
                    "ObjectName": "output/animation.gif",
                    "Region": "ap-chongqing"
                }
            },
            "Output": {
                "Bucket": "test-123456789",
                "Object": "output/animation.gif",
                "Region": "ap-chongqing"
            },
            "TemplateId": "t1f16e1dfbdc994105b31292d45710642a",
            "TemplateName": "template_name1512456",
            "UserData": "This is my Animation job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T15:29:43+0800",
        "State": "Success",
        "Tag": "Animation",
        "Workflow": {
            "Name": "Animation_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }
}
```


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Audio/Video Splicing

Last updated：2024-02-27 15:42:23

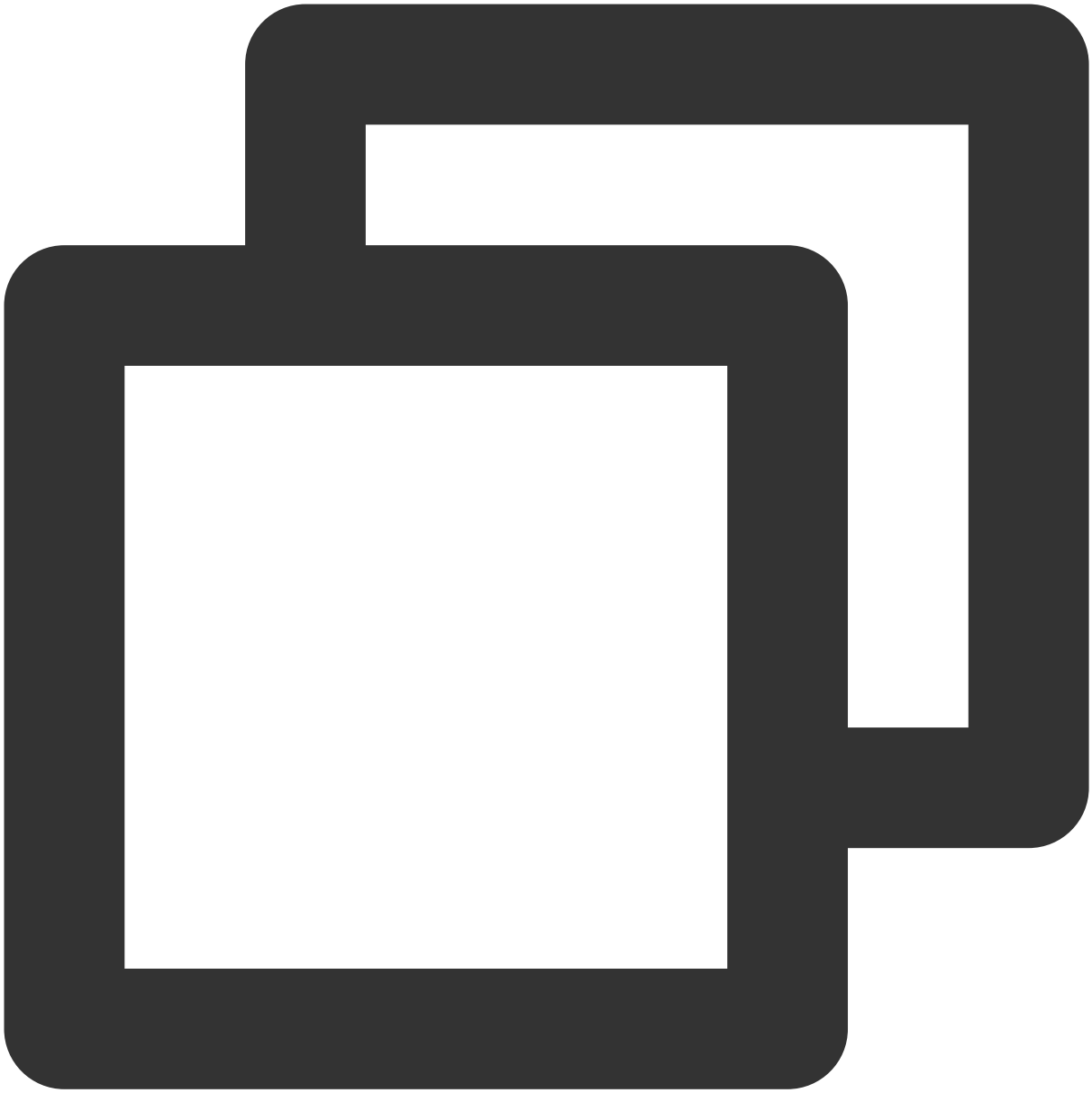
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:33:07+0800</CreationTime>
        <EndTime>2022-06-30T18:33:20+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j07f6263af86011ecbdf419856486c0ab</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>830.482000</Bitrate>
                    <Duration>70.413000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>7309593</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>32.020000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>70.412857</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>14.990016</AvgFps>
                        <Bitrate>803.112000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/90000</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Dar>4:3</Dar>
                        <Duration>69.779778</Duration>
                        <Fps>15.000000</Fps>
```

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```
                        <HasBFrame>2</HasBFrame>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>32</Level>
                        <NumFrames>1046</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <Sar>1:1</Sar>
                        <StartTime>0.046000</StartTime>
                        <Timebase>1/90000</Timebase>
                        <Width>1280</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>96322f8638d38480683e069e6b2ba1e9</Md5>
                        <ObjectName>output/concat.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/concat.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/concat.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t140325e8918ac423da53b7d78dbbab564</TemplateId>
            <TemplateName>template_name3544697</TemplateName>
            <UserData>This is my Concat job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:33:08+0800</StartTime>
        <State>Success</State>
        <Tag>Concat</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the splicing job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

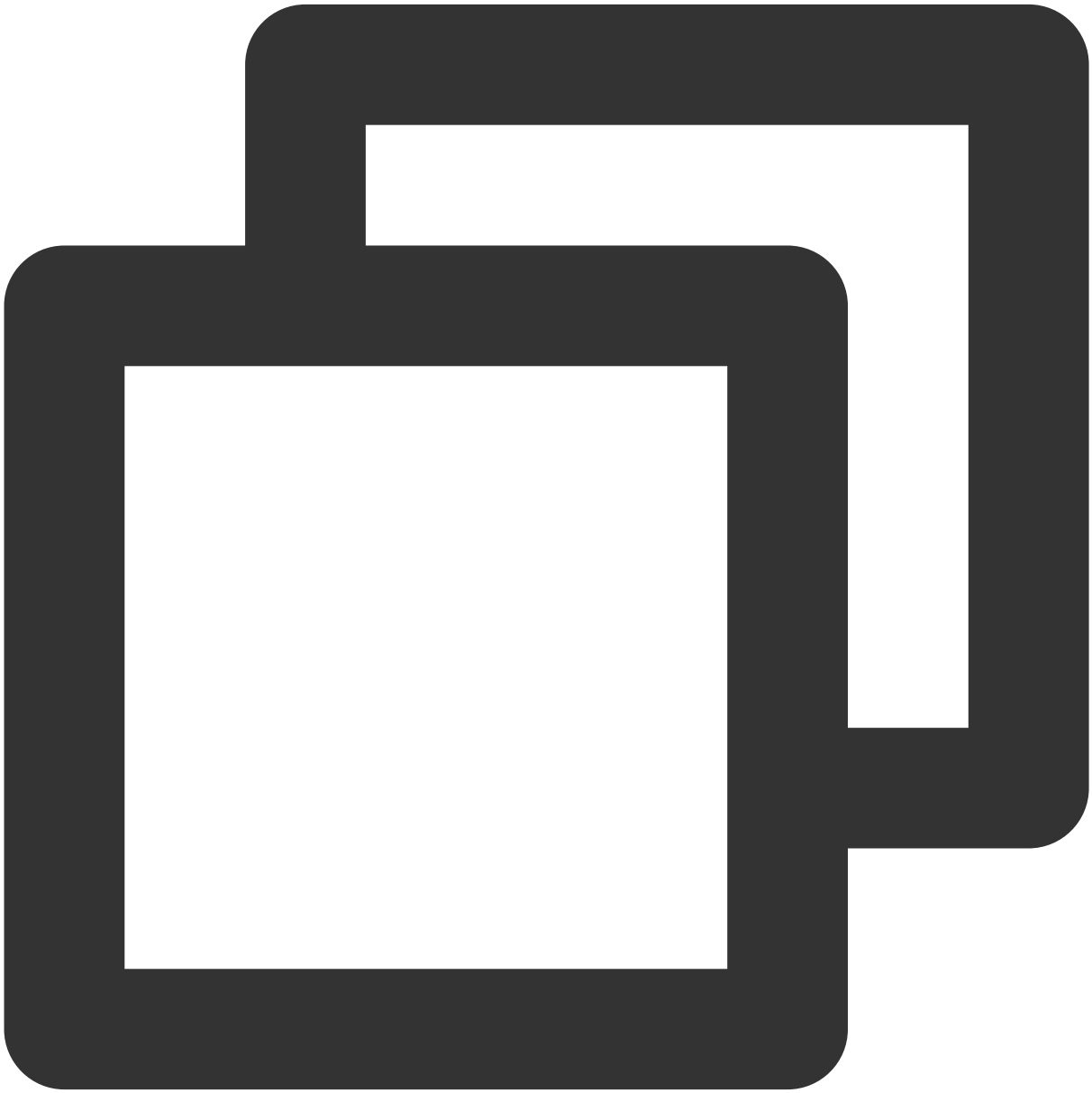
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:33:07+0800</CreationTime>
        <EndTime>2022-06-30T18:33:20+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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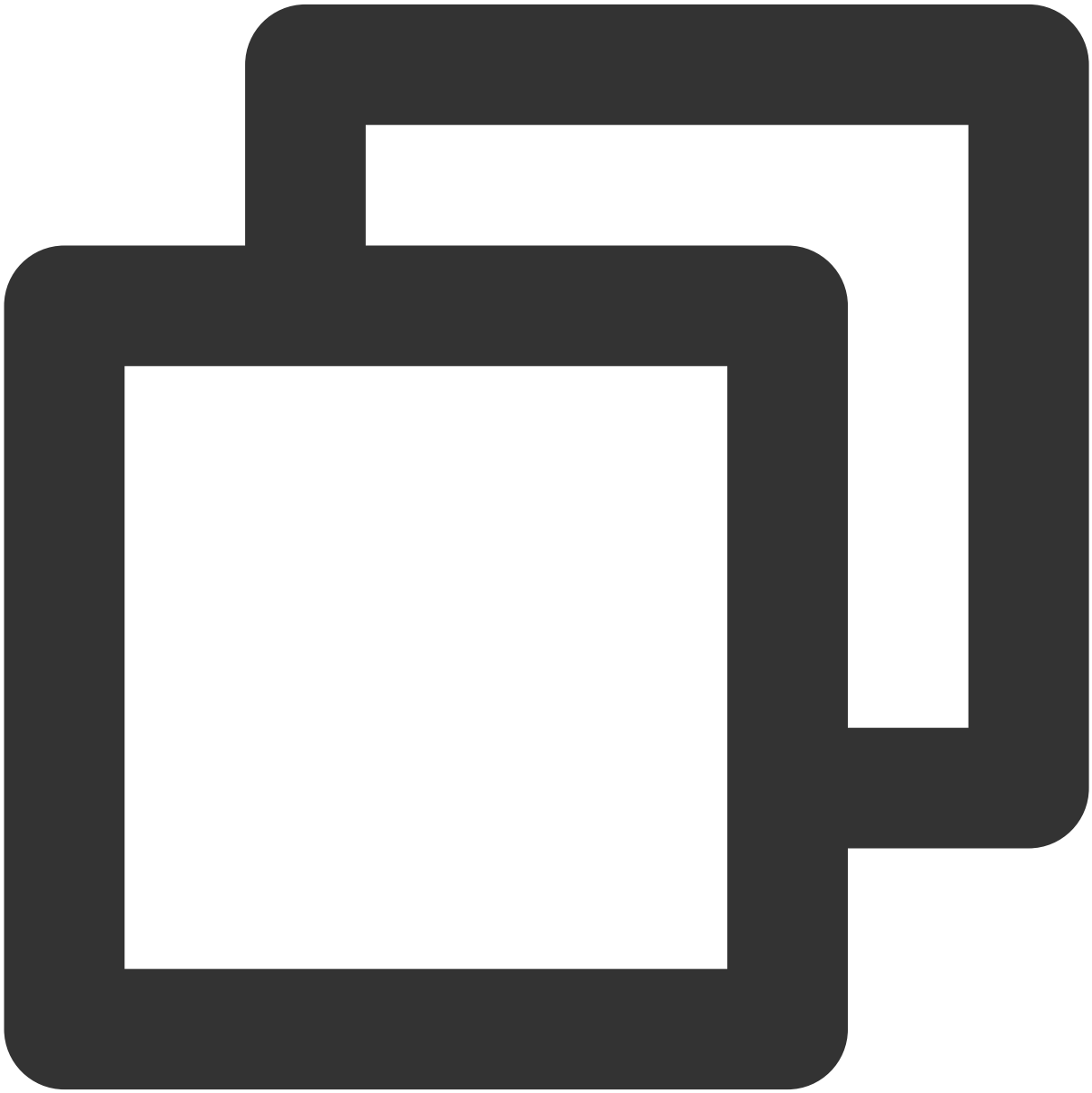
```
        <JobId>j07f6263af86011ecbdf419856486c0ab</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>830.482000</Bitrate>
                    <Duration>70.413000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>7309593</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>32.020000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>70.412857</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>14.990016</AvgFps>
                        <Bitrate>803.112000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/90000</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Dar>4:3</Dar>
                        <Duration>69.779778</Duration>
                        <Fps>15.000000</Fps>
```

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```
                        <HasBFrame>2</HasBFrame>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>32</Level>
                        <NumFrames>1046</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <Sar>1:1</Sar>
                        <StartTime>0.046000</StartTime>
                        <Timebase>1/90000</Timebase>
                        <Width>1280</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>96322f8638d38480683e069e6b2ba1e9</Md5>
                        <ObjectName>output/concat.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/concat.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/concat.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t140325e8918ac423da53b7d78dbbab564</TemplateId>
            <TemplateName>template_name3544697</TemplateName>
            <UserData>This is my Concat job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:33:08+0800</StartTime>
        <State>Success</State>
        <Tag>Concat</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:33:07+0800</CreationTime>
        <EndTime>2022-06-30T18:33:20+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j07f6263af86011ecbdf419856486c0ab</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>830.482000</Bitrate>
                    <Duration>70.413000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>7309593</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>32.020000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>70.412857</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
```

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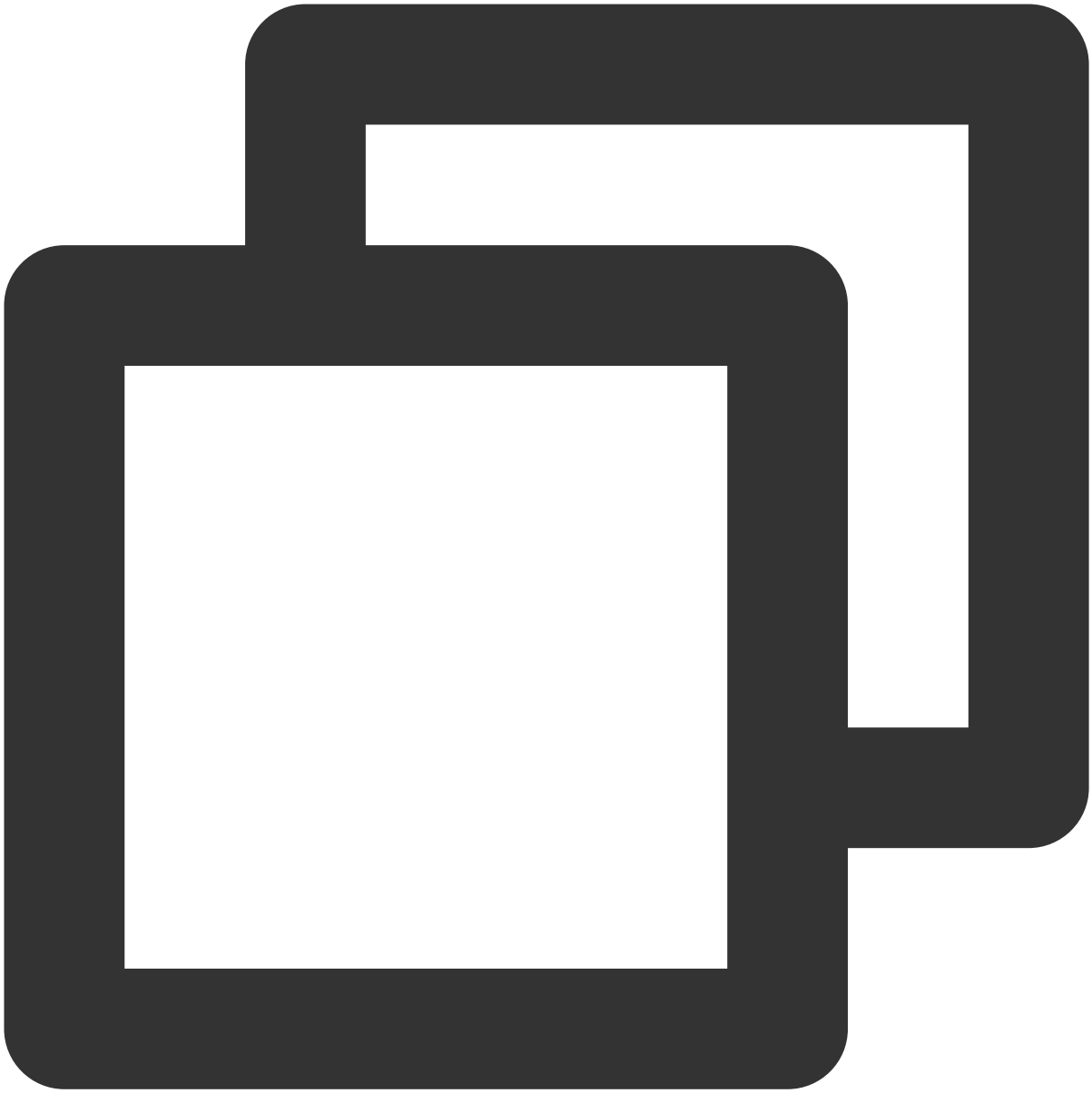
```
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>14.990016</AvgFps>
                    <Bitrate>803.112000</Bitrate>
                    <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                    <CodecName>h264</CodecName>
                    <CodecTag>0x31637661</CodecTag>
                    <CodecTagString>avc1</CodecTagString>
                    <CodecTimeBase>1/90000</CodecTimeBase>
                    <ColorPrimaries>unknown</ColorPrimaries>
                    <ColorRange>unknown</ColorRange>
                    <ColorTransfer>unknown</ColorTransfer>
                    <Dar>4:3</Dar>
                    <Duration>69.779778</Duration>
                    <Fps>15.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>32</Level>
                    <NumFrames>1046</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>High</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <Sar>1:1</Sar>
                    <StartTime>0.046000</StartTime>
                    <Timebase>1/90000</Timebase>
                    <Width>1280</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>96322f8638d38480683e069e6b2ba1e9</Md5>
                    <ObjectName>output/concat.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/concat.mp4</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
```


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```
                <Object>output/concat.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t140325e8918ac423da53b7d78dbbab564</TemplateId>
            <TemplateName>template_name3544697</TemplateName>
            <UserData>This is my Concat job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:33:08+0800</StartTime>
        <State>Success</State>
        <Tag>Concat</Tag>
        <Workflow>
            <Name>Concat_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": {
        "Code": "Success",
        "CreationTime": "2022-06-30T18:33:07+0800",
        "EndTime": "2022-06-30T18:33:20+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```


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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j07f6263af86011ecbdf419856486c0ab",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "830.482000",
                    "Duration": "70.413000",
                    "FormatLongName": "QuickTime / MOV",
                    "FormatName": "mov,mp4,m4a,3gp,3g2,mj2",
                    "NumProgram": "0",
                    "NumStream": "2",
                    "Size": "7309593",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "32.020000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/44100",
                        "Duration": "70.412857",
                        "Index": "1",
                        "Language": "und",
                        "SampleFmt": "fltp",
                        "SampleRate": "44100",
                        "StartTime": "0.000000",
                        "Timebase": "1/44100"
```


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```
                },
                "Video": {
                    "AvgFps": "14.990016",
                    "Bitrate": "803.112000",
                    "CodecLongName": "H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10
                    "CodecName": "h264",
                    "CodecTag": "0x31637661",
                    "CodecTagString": "avc1",
                    "CodecTimeBase": "1/90000",
                    "ColorPrimaries": "unknown",
                    "ColorRange": "unknown",
                    "ColorTransfer": "unknown",
                    "Dar": "4:3",
                    "Duration": "69.779778",
                    "Fps": "15.000000",
                    "HasBFrame": "2",
                    "Height": "960",
                    "Index": "0",
                    "Language": "und",
                    "Level": "32",
                    "NumFrames": "1046",
                    "PixFormat": "yuv420p",
                    "Profile": "High",
                    "RefFrames": "1",
                    "Rotation": "0.000000",
                    "Sar": "1:1",
                    "StartTime": "0.046000",
                    "Timebase": "1/90000",
                    "Width": "1280"
                }
            }
        },
        "MediaResult": {
            "OutputFile": {
                "Bucket": "test-123456789",
                "Md5Info": {
                    "Md5": "96322f8638d38480683e069e6b2ba1e9",
                    "ObjectName": "output/concat.mp4"
                },
                "ObjectName": "output/concat.mp4",
                "Region": "ap-chongqing"
            }
        },
        "Output": {
            "Bucket": "test-123456789",
            "Object": "output/concat.mp4",
            "Region": "ap-chongqing"
```


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```
            },
            "TemplateId": "t140325e8918ac423da53b7d78dbbab564",
            "TemplateName": "template_name3544697",
            "UserData": "This is my Concat job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T18:33:08+0800",
        "State": "Success",
        "Tag": "Concat",
        "Workflow": {
            "Name": "Concat_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }
}
```


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Adding Digital Watermark

Last updated：2024-02-27 15:42:23

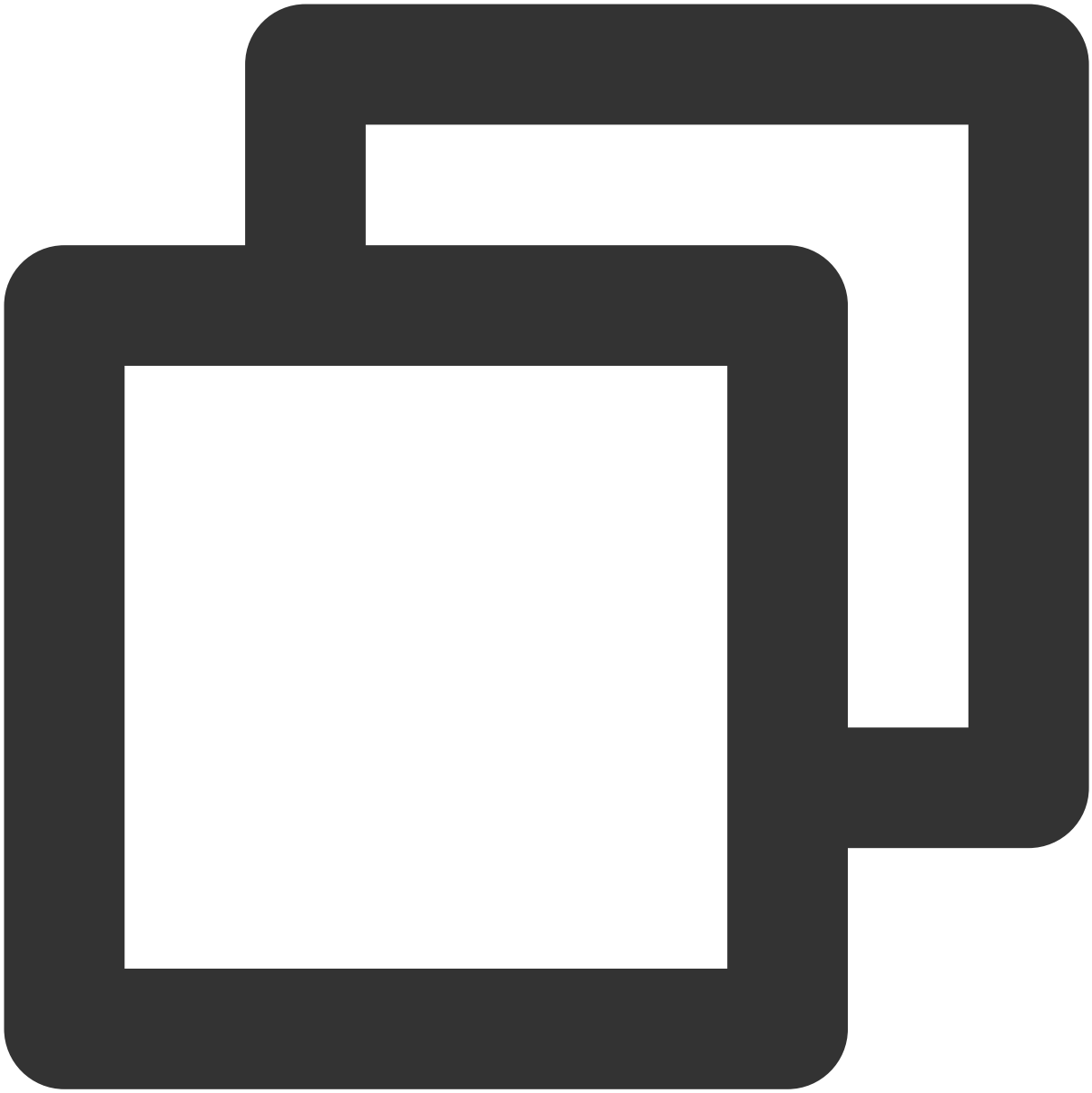
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:37:37+0800</CreationTime>
        <EndTime>2022-06-30T18:39:08+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>ja8de3b46f86011ec9452c1c27f56a659</JobId>
        <Message/>
        <Operation>
            <DigitalWatermark>
                <Message>123456789ab</Message>
                <Type>Text</Type>
                <Version>V1</Version>
            </DigitalWatermark>
            <MediaInfo>
                <Format>
                    <Bitrate>2533.526000</Bitrate>
                    <Duration>215.638000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>68290577</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>256.050000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/48000</CodecTimeBase>
                        <Duration>215.637000</Duration>
                        <Index>1</Index>
                        <Language>eng</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>48000</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/48000</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>24.000000</AvgFps>
                        <Bitrate>2272.528000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/12288</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
```

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```
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Duration>215.583333</Duration>
                        <Fps>24.000000</Fps>
                        <HasBFrame>2</HasBFrame>
                        <Height>1080</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>40</Level>
                        <NumFrames>5174</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12288</Timebase>
                        <Width>1920</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>043221daee3f4e15ff13f42329f15eb1</Md5>
                        <ObjectName>output/digital.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/digital.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/digital.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <UserData>This is my DigitalWatermark job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:37:38+0800</StartTime>
        <State>Success</State>
        <SubTag>DigitalWatermark</SubTag>
        <Tag>DigitalWatermark</Tag>
    </JobsDetail>
</Response>
```

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The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the digital watermark job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

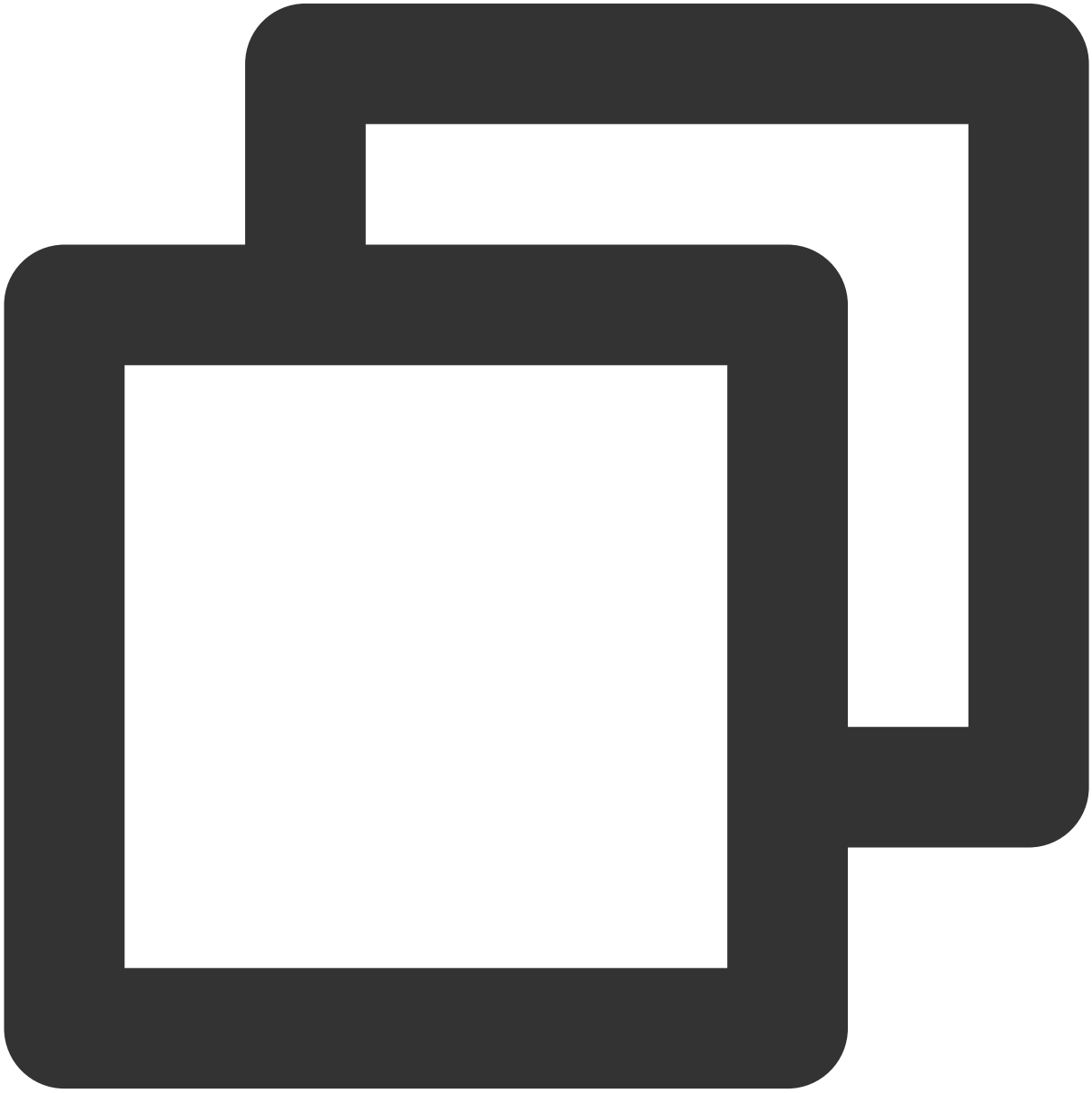
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

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Sample 1: Job callback triggered by a job API



```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:37:37+0800</CreationTime>
        <EndTime>2022-06-30T18:39:08+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
```

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```
            <Region>ap-chongqing</Region>
        </Input>
        <JobId>ja8de3b46f86011ec9452c1c27f56a659</JobId>
        <Message/>
        <Operation>
            <DigitalWatermark>
                <Message>123456789ab</Message>
                <Type>Text</Type>
                <Version>V1</Version>
            </DigitalWatermark>
            <MediaInfo>
                <Format>
                    <Bitrate>2533.526000</Bitrate>
                    <Duration>215.638000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>68290577</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>256.050000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/48000</CodecTimeBase>
                        <Duration>215.637000</Duration>
                        <Index>1</Index>
                        <Language>eng</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>48000</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/48000</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>24.000000</AvgFps>
                        <Bitrate>2272.528000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
```

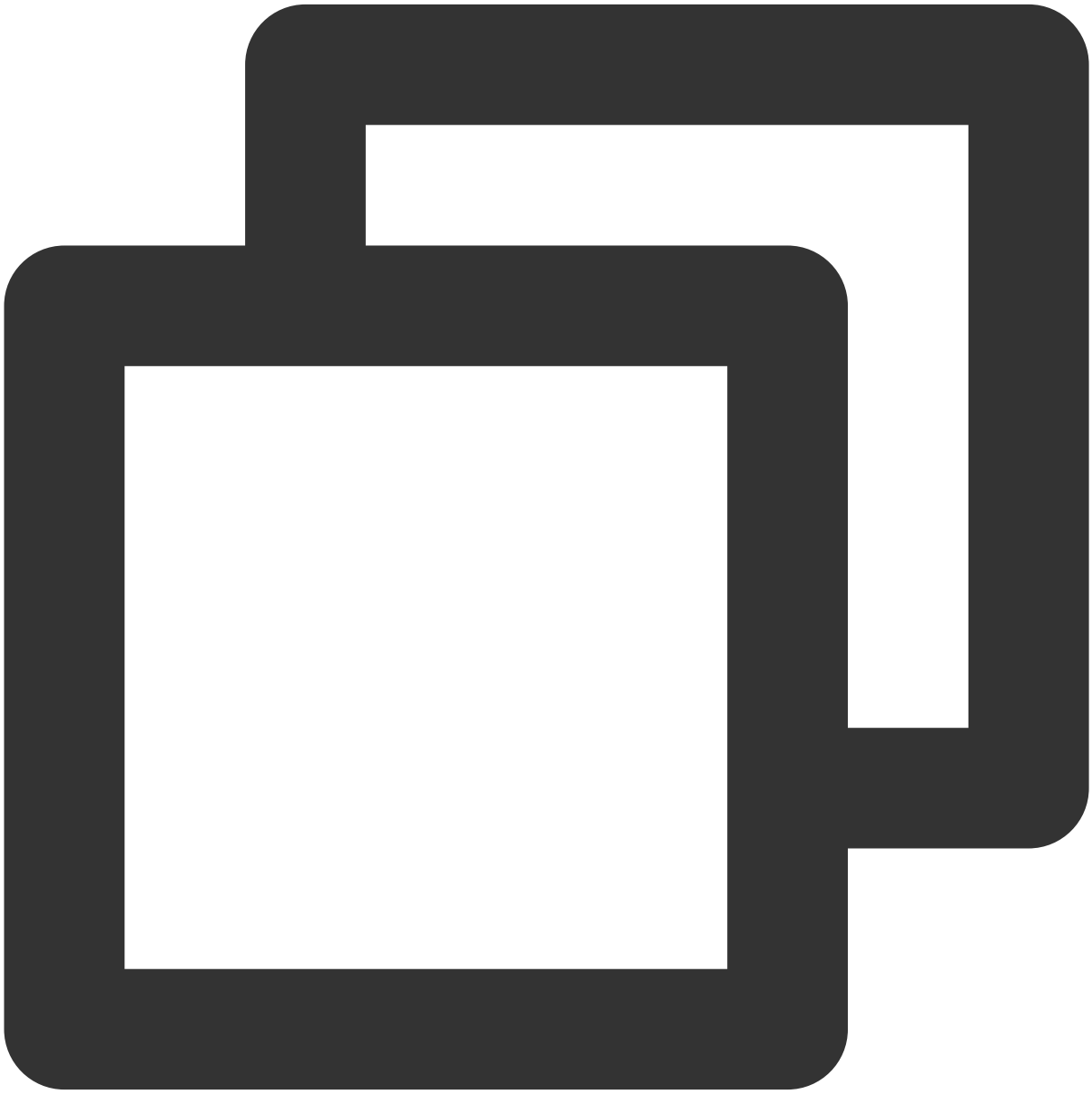
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```
                        <CodecTimeBase>1/12288</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Duration>215.583333</Duration>
                        <Fps>24.000000</Fps>
                        <HasBFrame>2</HasBFrame>
                        <Height>1080</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>40</Level>
                        <NumFrames>5174</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12288</Timebase>
                        <Width>1920</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>043221daee3f4e15ff13f42329f15eb1</Md5>
                        <ObjectName>output/digital.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/digital.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/digital.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <UserData>This is my DigitalWatermark job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:37:38+0800</StartTime>
        <State>Success</State>
        <SubTag>DigitalWatermark</SubTag>
        <Tag>DigitalWatermark</Tag>
    </JobsDetail>
```

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```
</Response>
```

Sample 2: Job callback in JSON format triggered by a job API



```
{
    "EventName": "TaskFinish",
    "JobsDetail": {
        "Code": "Success",
        "CreationTime": "2022-06-30T18:37:37+0800",
        "EndTime": "2022-06-30T18:39:08+0800",
```

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```
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing"
        },
        "JobId": "ja8de3b46f86011ec9452c1c27f56a659",
        "Operation": {
            "DigitalWatermark": {
                "Message": "123456789ab",
                "Type": "Text",
                "Version": "V1"
            },
            "MediaInfo": {
                "Format": {
                    "Bitrate": "2533.526000",
                    "Duration": "215.638000",
                    "FormatLongName": "QuickTime / MOV",
                    "FormatName": "mov,mp4,m4a,3gp,3g2,mj2",
                    "NumProgram": "0",
                    "NumStream": "2",
                    "Size": "68290577",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "256.050000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/48000",
                        "Duration": "215.637000",
                        "Index": "1",
                        "Language": "eng",
                        "SampleFmt": "fltp",
                        "SampleRate": "48000",
                        "StartTime": "0.000000",
                        "Timebase": "1/48000"
                    },
                    "Video": {
                        "AvgFps": "24.000000",
                        "Bitrate": "2272.528000",
                        "CodecLongName": "H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10
                        "CodecName": "h264",
                        "CodecTag": "0x31637661",
```


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```
                        "CodecTagString": "avc1",
                        "CodecTimeBase": "1/12288",
                        "ColorPrimaries": "unknown",
                        "ColorRange": "unknown",
                        "ColorTransfer": "unknown",
                        "Duration": "215.583333",
                        "Fps": "24.000000",
                        "HasBFrame": "2",
                        "Height": "1080",
                        "Index": "0",
                        "Language": "und",
                        "Level": "40",
                        "NumFrames": "5174",
                        "PixFormat": "yuv420p",
                        "Profile": "High",
                        "RefFrames": "1",
                        "Rotation": "0.000000",
                        "StartTime": "0.000000",
                        "Timebase": "1/12288",
                        "Width": "1920"
                    }
                }
            },
            "MediaResult": {
                "OutputFile": {
                    "Bucket": "test-123456789",
                    "Md5Info": {
                        "Md5": "043221daee3f4e15ff13f42329f15eb1",
                        "ObjectName": "output/digital.mp4"
                    },
                    "ObjectName": "output/digital.mp4",
                    "Region": "ap-chongqing"
                }
            },
            "Output": {
                "Bucket": "test-123456789",
                "Object": "output/digital.mp4",
                "Region": "ap-chongqing"
            },
            "UserData": "This is my DigitalWatermark job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T18:37:38+0800",
        "State": "Success",
        "SubTag": "DigitalWatermark",
        "Tag": "DigitalWatermark"
    }
```


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```
}
```

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Extracting Digital Watermark

Last updated：2024-02-27 15:42:23

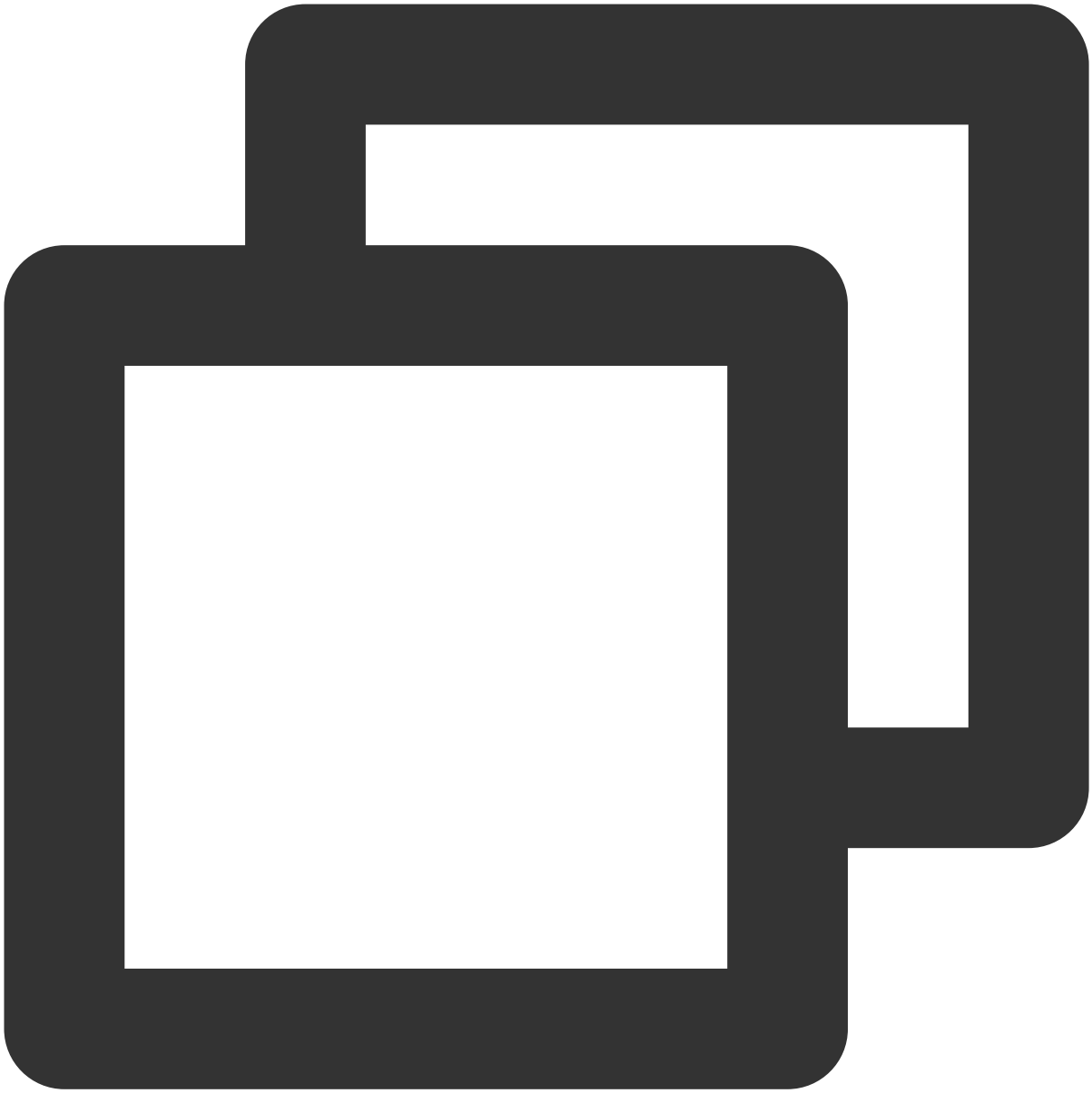
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:42:20+0800</CreationTime>
        <EndTime>2022-06-30T18:42:54+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>output/digital.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j515a494af86111ecb8546d80f2baf56f</JobId>
        <Message>done</Message>
        <Operation>
            <ExtractDigitalWatermark>
                <Message>123456789ab</Message>
                <Type>Text</Type>
                <Version>V1</Version>
            </ExtractDigitalWatermark>
            <UserData>This is my ExtractDigitalWatermark job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:42:21+0800</StartTime>
        <State>Success</State>
        <Tag>ExtractDigitalWatermark</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish` .	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the digital watermark extracting job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

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If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

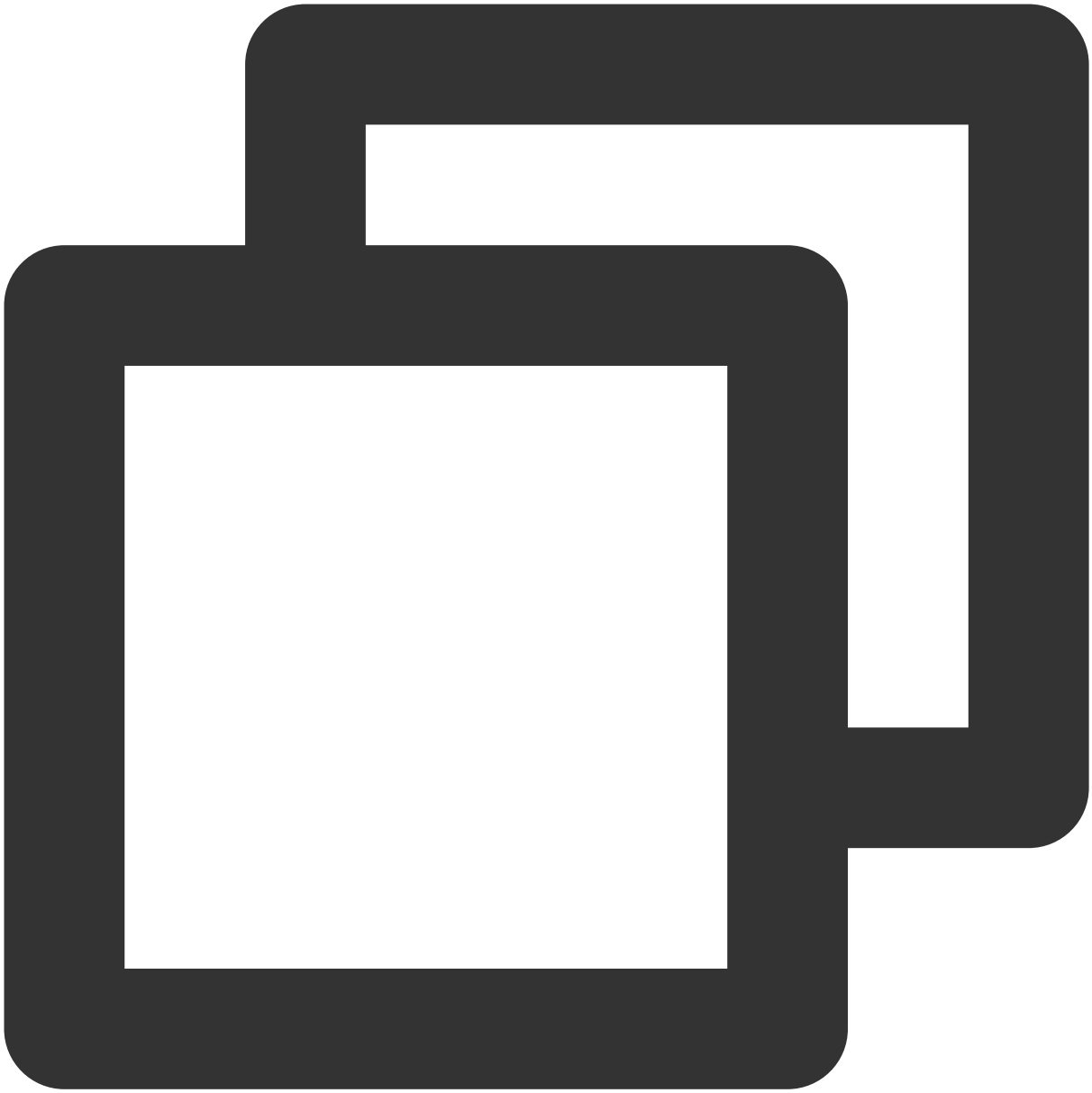
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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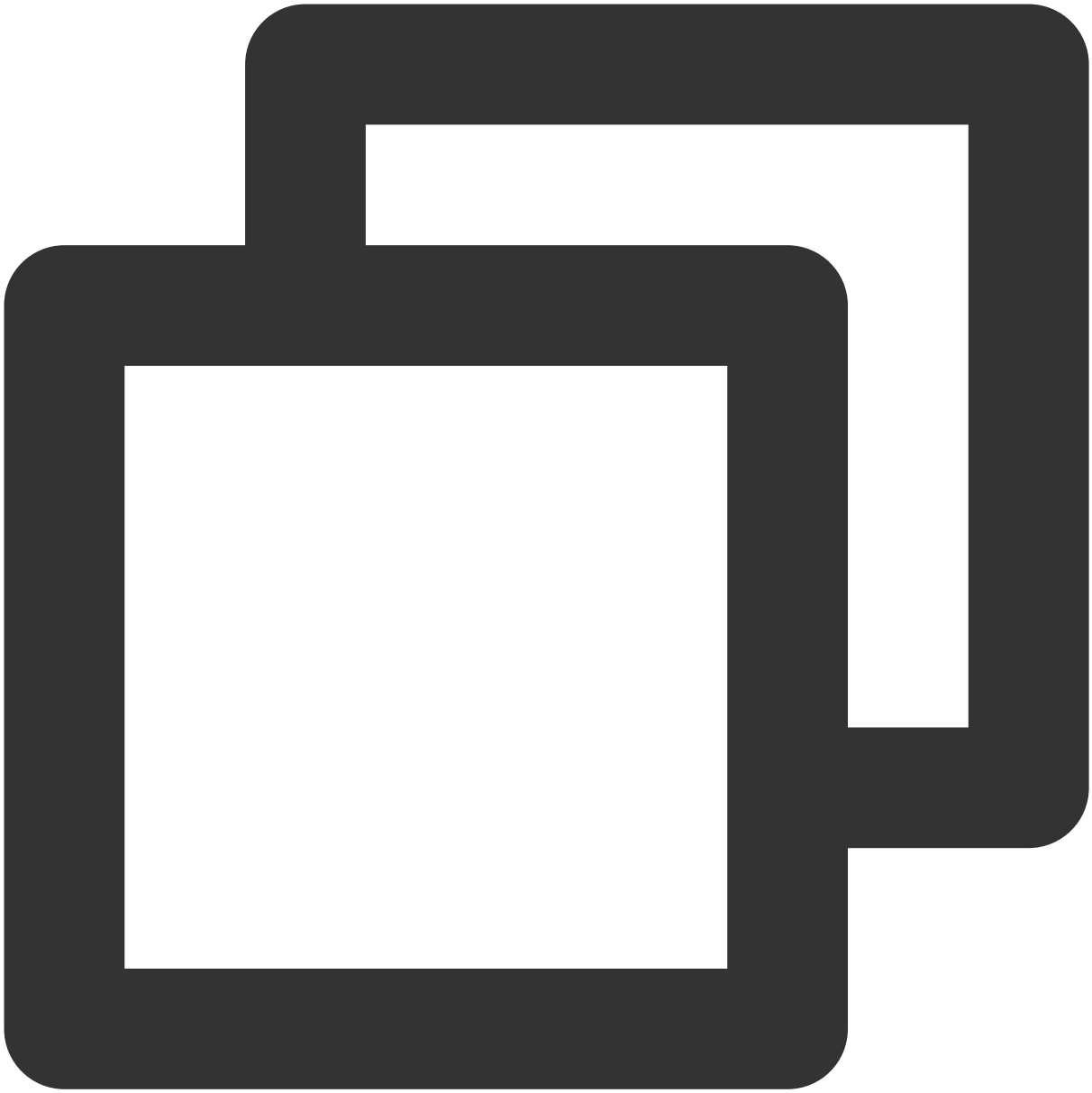
```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:42:20+0800</CreationTime>
        <EndTime>2022-06-30T18:42:54+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>output/digital.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j515a494af86111ecb8546d80f2baf56f</JobId>
        <Message>done</Message>
        <Operation>
            <ExtractDigitalWatermark>
                <Message>123456789ab</Message>
                <Type>Text</Type>
                <Version>V1</Version>
            </ExtractDigitalWatermark>
            <UserData>This is my ExtractDigitalWatermark job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:42:21+0800</StartTime>
        <State>Success</State>
        <Tag>ExtractDigitalWatermark</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback in JSON format triggered by a job API

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": {
        "Code": "Success",
        "CreationTime": "2022-06-30T18:42:20+0800",
        "EndTime": "2022-06-30T18:42:54+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "output/digital.mp4",
            "Region": "ap-chongqing"
        },
```


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```
        "JobId": "j515a494af86111ecb8546d80f2baf56f",
        "Message": "done",
        "Operation": {
            "ExtractDigitalWatermark": {
                "Message": "123456789ab",
                "Type": "Text",
                "Version": "V1"
            },
            "UserData": "This is my ExtractDigitalWatermark job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T18:42:21+0800",
        "State": "Success",
        "Tag": "ExtractDigitalWatermark"
    }
}
```


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Getting Media Information

Last updated：2024-02-27 15:42:23

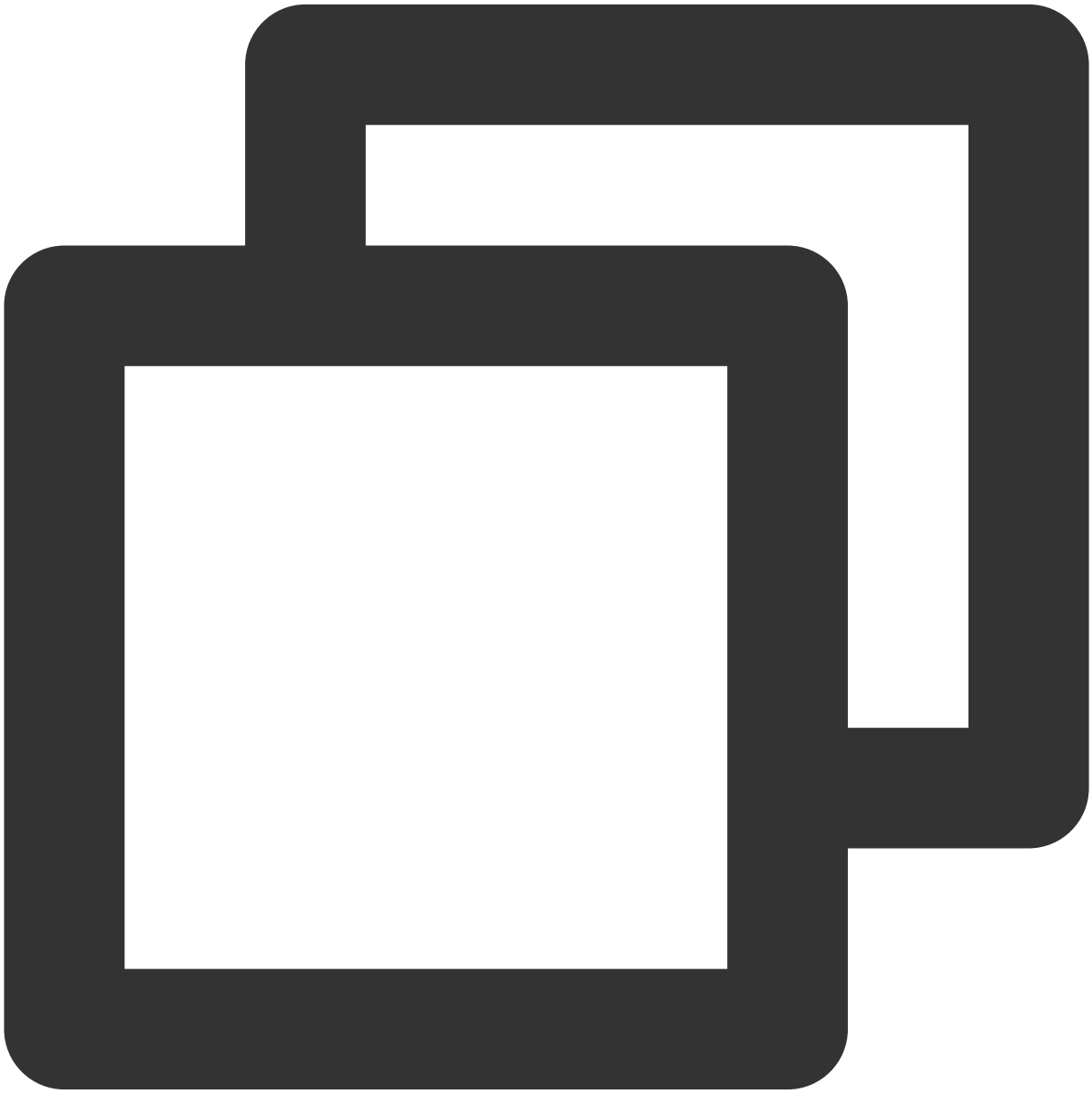
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:45:14+0800</CreationTime>
        <EndTime>2022-06-30T18:45:15+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>jb976c9e0f86111ec9452c1c27f56a659</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>834.736000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>1424687</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>104.047000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.653311</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>25.000000</AvgFps>
                        <Bitrate>763.774000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/12800</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960000</Duration>
                        <Fps>25.000000</Fps>
                        <HasBFrame>0</HasBFrame>
```

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```
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>10</Level>
                        <NumFrames>324</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <UserData>This is my MediaInfo job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:45:15+0800</StartTime>
        <State>Success</State>
        <Tag>MediaInfo</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the media information query job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name	Parent Node	Description	Type

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(Keyword)			
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

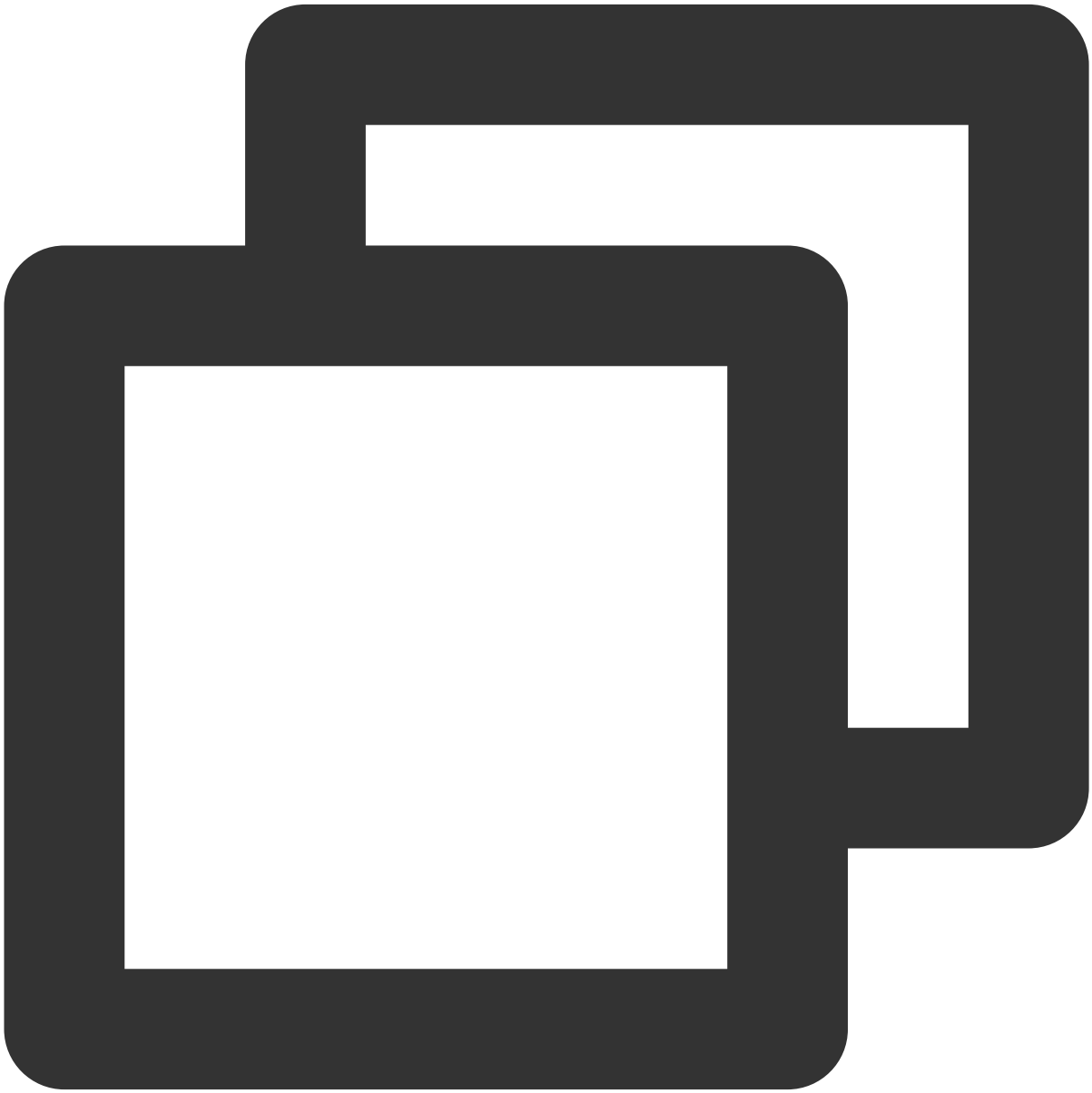
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:45:14+0800</CreationTime>
        <EndTime>2022-06-30T18:45:15+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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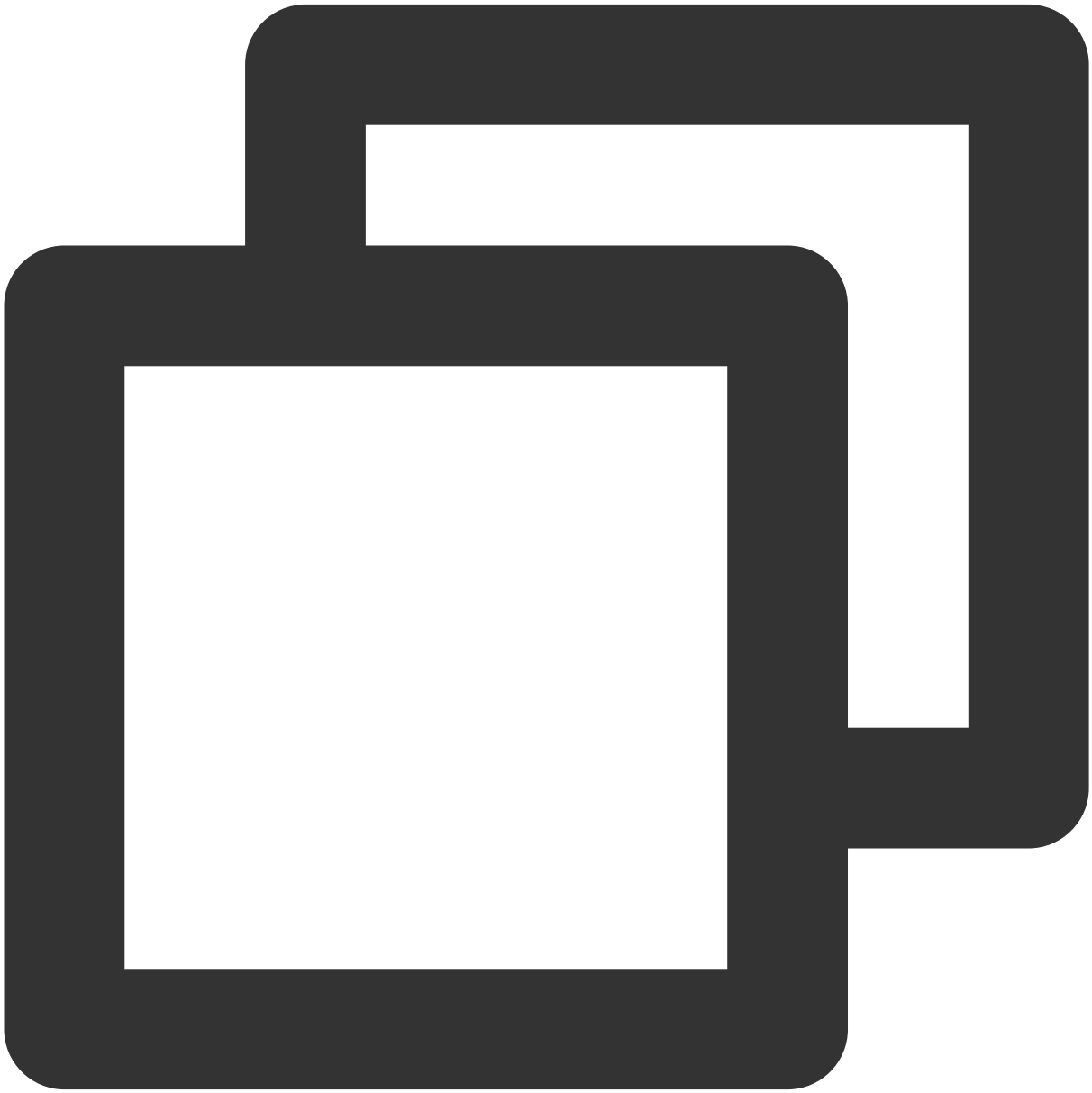
```
        <JobId>jb976c9e0f86111ec9452c1c27f56a659</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>834.736000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>1424687</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>104.047000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.653311</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>25.000000</AvgFps>
                        <Bitrate>763.774000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/12800</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960000</Duration>
                        <Fps>25.000000</Fps>
                        <HasBFrame>0</HasBFrame>
```

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```
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>10</Level>
                        <NumFrames>324</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <UserData>This is my MediaInfo job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:45:15+0800</StartTime>
        <State>Success</State>
        <Tag>MediaInfo</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback in JSON format triggered by a job API

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": {
        "Code": "Success",
        "CreationTime": "2022-06-30T18:45:14+0800",
        "EndTime": "2022-06-30T18:45:15+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing"
        },
```


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```
        "JobId": "jb976c9e0f86111ec9452c1c27f56a659",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "834.736000",
                    "Duration": "13.654000",
                    "FormatLongName": "QuickTime / MOV",
                    "FormatName": "mov,mp4,m4a,3gp,3g2,mj2",
                    "NumProgram": "0",
                    "NumStream": "2",
                    "Size": "1424687",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "104.047000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/44100",
                        "Duration": "13.653311",
                        "Index": "1",
                        "Language": "und",
                        "SampleFmt": "fltp",
                        "SampleRate": "44100",
                        "StartTime": "0.000000",
                        "Timebase": "1/44100"
                    },
                    "Video": {
                        "AvgFps": "25.000000",
                        "Bitrate": "763.774000",
                        "CodecLongName": "H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10
                        "CodecName": "h264",
                        "CodecTag": "0x31637661",
                        "CodecTagString": "avc1",
                        "CodecTimeBase": "1/12800",
                        "ColorPrimaries": "bt470bg",
                        "ColorRange": "tv",
                        "ColorTransfer": "smpte170m",
                        "Duration": "12.960000",
                        "Fps": "25.000000",
                        "HasBFrame": "0",
                        "Height": "960",
                        "Index": "0",
```


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```
                        "Language": "und",
                        "Level": "10",
                        "NumFrames": "324",
                        "PixFormat": "yuv420p",
                        "Profile": "High",
                        "RefFrames": "1",
                        "Rotation": "0.000000",
                        "StartTime": "0.000000",
                        "Timebase": "1/12800",
                        "Width": "544"
                    }
                }
            },
            "UserData": "This is my MediaInfo job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T18:45:15+0800",
        "State": "Success",
        "Tag": "MediaInfo"
    }
}
```


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Noise Reduction

Last updated：2024-02-27 15:42:23

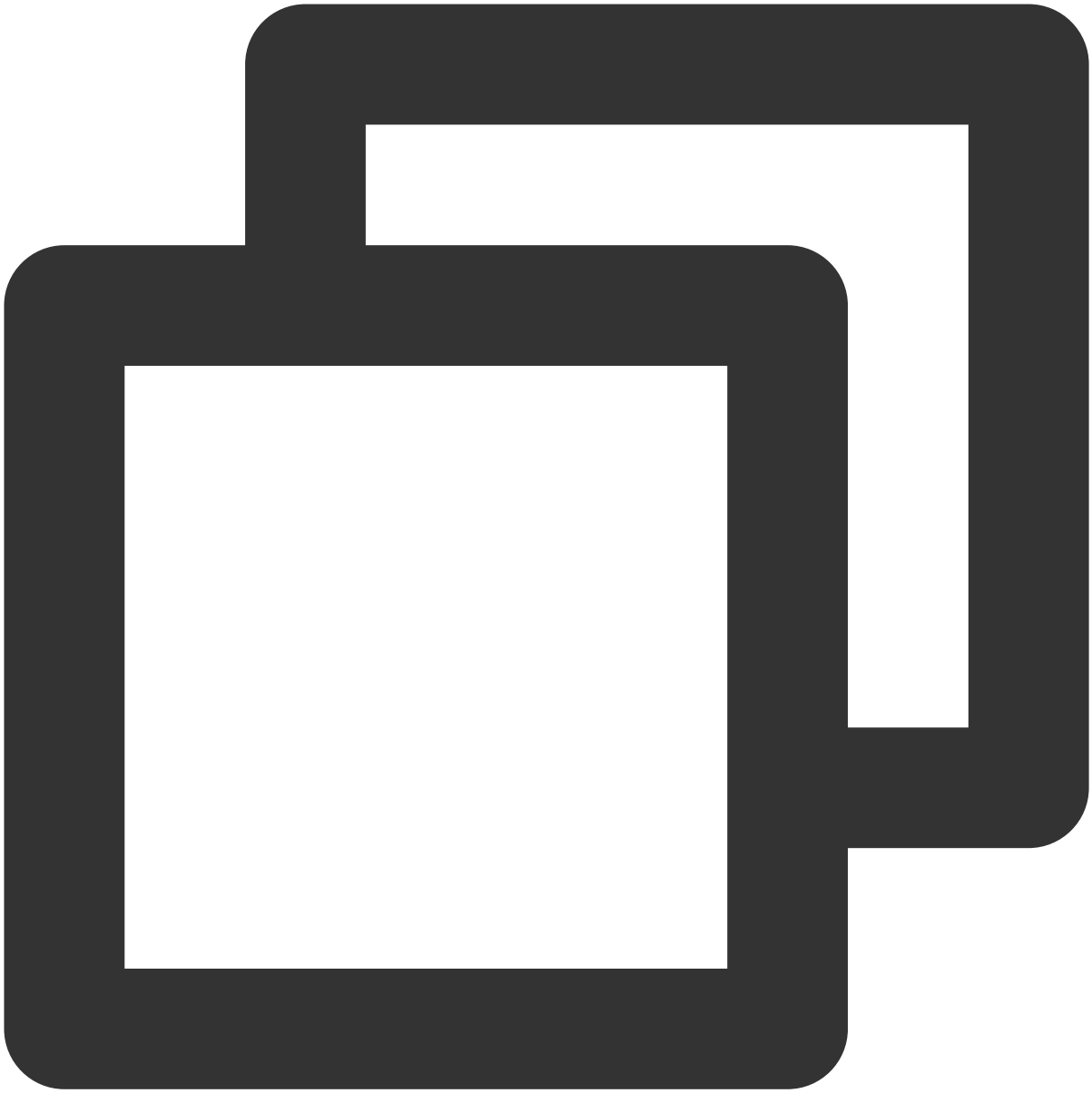
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:47:18+0800</CreationTime>
        <EndTime>2022-06-30T18:47:30+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp3</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j035aca66f86211ec8a5a87e016101404</JobId>
        <Message>SUCCESS</Message>
        <Operation>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/nr.wav</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <UserData>This is my NoiseReduction job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:47:20+0800</StartTime>
        <State>Success</State>
        <Tag>NoiseReduction</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the audio noise reduction job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

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If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

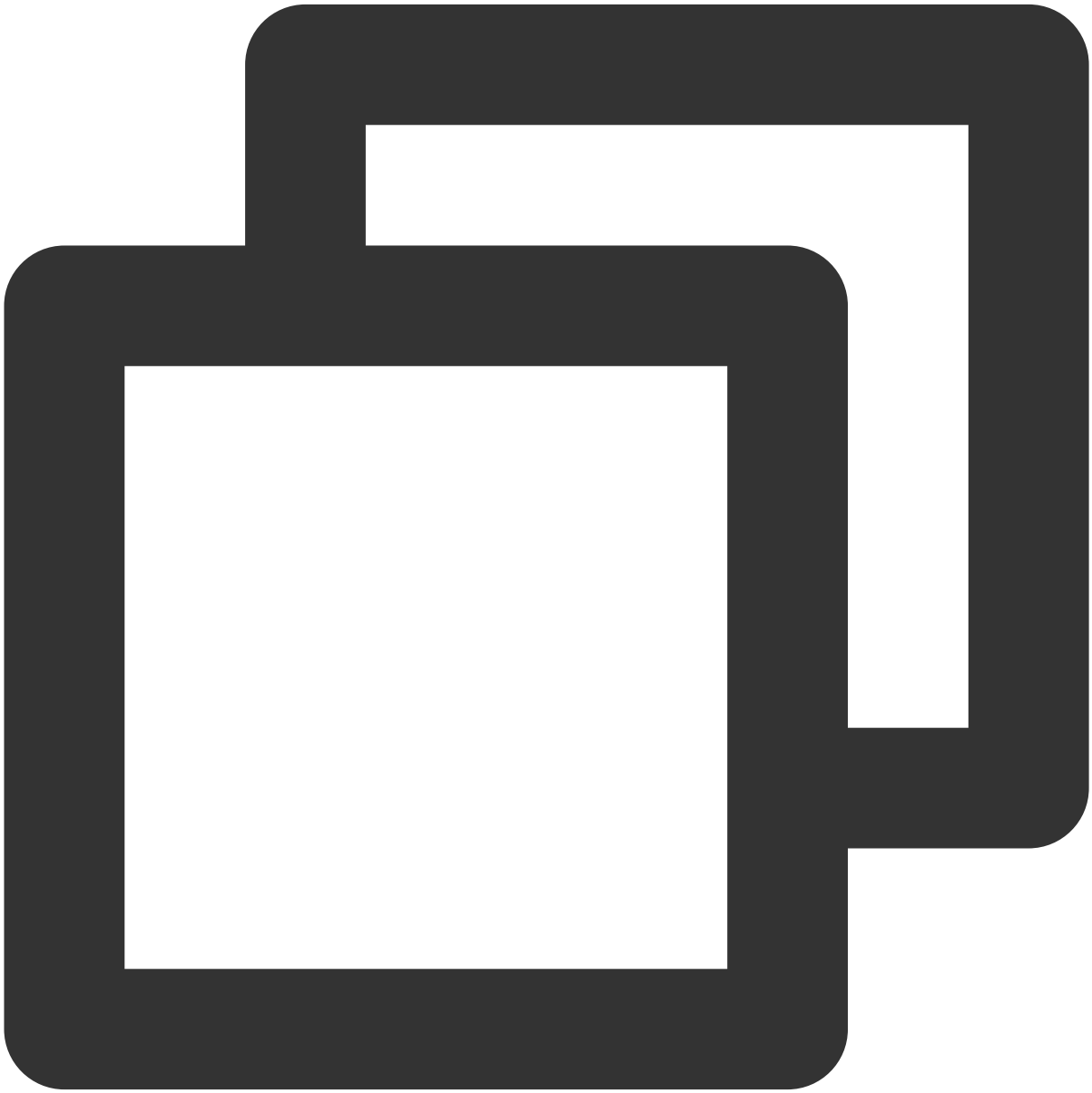
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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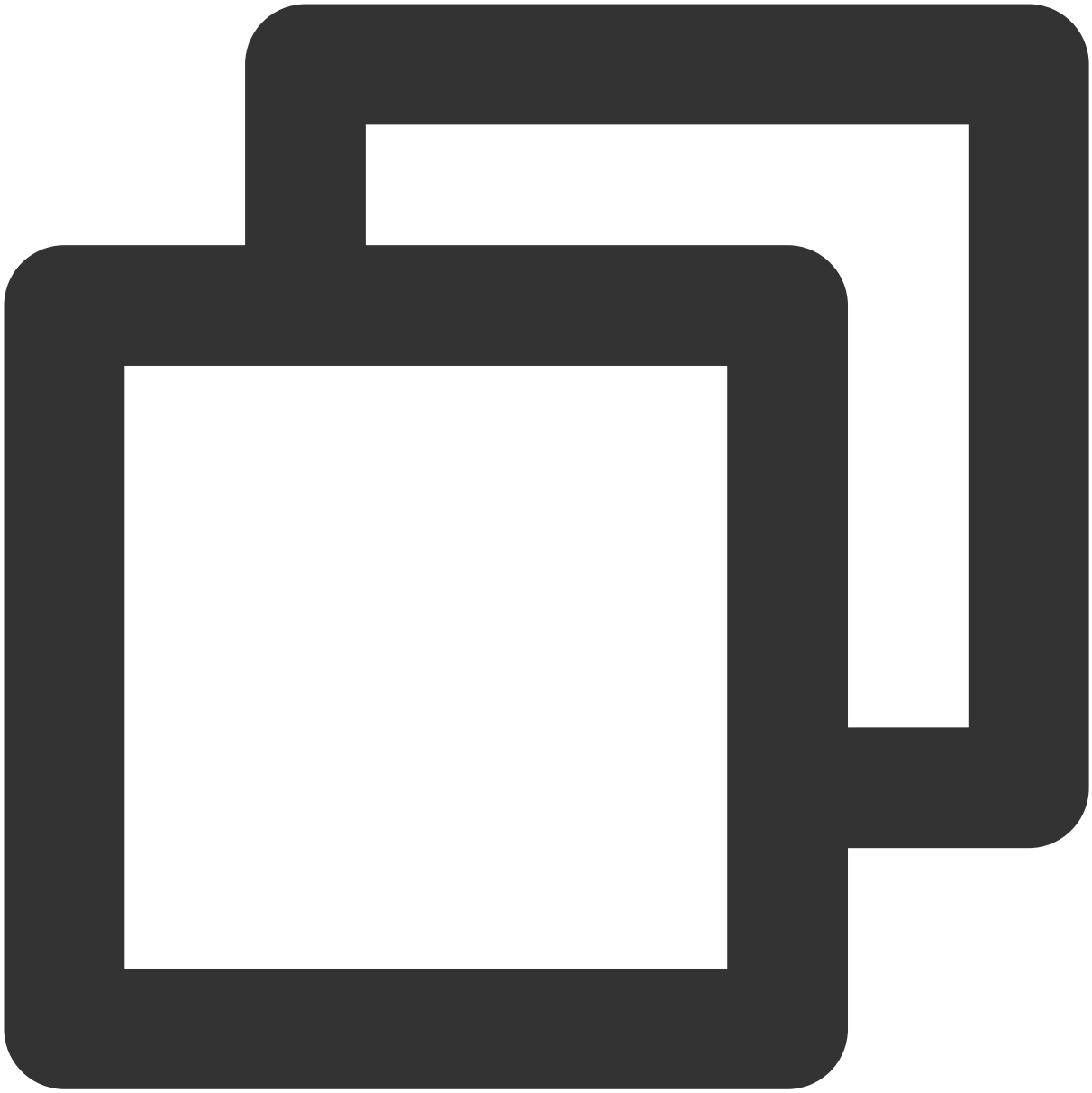
```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T18:47:18+0800</CreationTime>
        <EndTime>2022-06-30T18:47:30+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp3</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j035aca66f86211ec8a5a87e016101404</JobId>
        <Message>SUCCESS</Message>
        <Operation>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/nr.wav</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <UserData>This is my NoiseReduction job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T18:47:20+0800</StartTime>
        <State>Success</State>
        <Tag>NoiseReduction</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback in JSON format triggered by a job API

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": {
        "Code": "Success",
        "CreationTime": "2022-06-30T18:47:18+0800",
        "EndTime": "2022-06-30T18:47:30+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp3",
            "Region": "ap-chongqing"
        },
```


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```
        "JobId": "j035aca66f86211ec8a5a87e016101404",
        "Message": "SUCCESS",
        "Operation": {
            "Output": {
                "Bucket": "test-123456789",
                "Object": "output/nr.wav",
                "Region": "ap-chongqing"
            },
            "UserData": "This is my NoiseReduction job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T18:47:20+0800",
        "State": "Success",
        "Tag": "NoiseReduction"
    }
}
```


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Video Quality Scoring

Last updated：2024-02-27 15:42:23

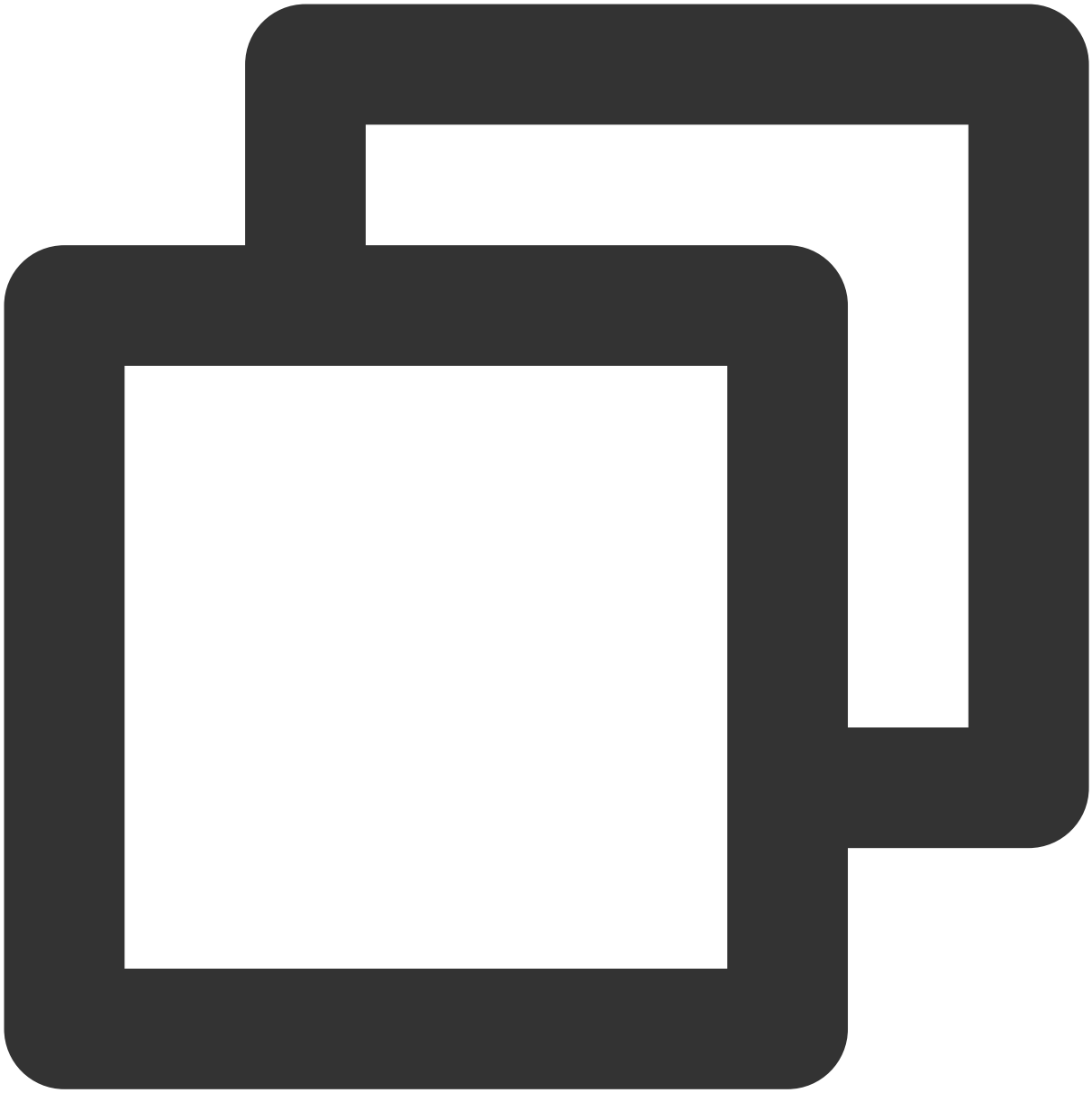
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:06:27+0800</CreationTime>
        <EndTime>2022-06-30T19:06:34+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>jb01fe2f2f86411ec9ca1073b78d316d3</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>834736</Bitrate>
                    <Duration>13.654</Duration>
                    <NumStream>1</NumStream>
                    <Size>1424687</Size>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>104047</Bitrate>
                        <Channel>2</Channel>
                        <CodecName>aac</CodecName>
                        <Duration>13.653</Duration>
                        <Index>1</Index>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>25.000</AvgFps>
                        <Bitrate>763774</Bitrate>
                        <CodecName>h264</CodecName>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960</Duration>
                        <Fps>25.000</Fps>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Level>1.000</Level>
                        <NumFrames>324</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <Rotation>0</Rotation>
                        <StartTime>0.000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile/>
            </MediaResult>
            <QualityEstimate>
```

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```
                <Score>6.460358</Score>
            </QualityEstimate>
            <UserData>This is my QualityEstimate job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:06:28+0800</StartTime>
        <State>Success</State>
        <Tag>QualityEstimate</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the video quality analysis job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type

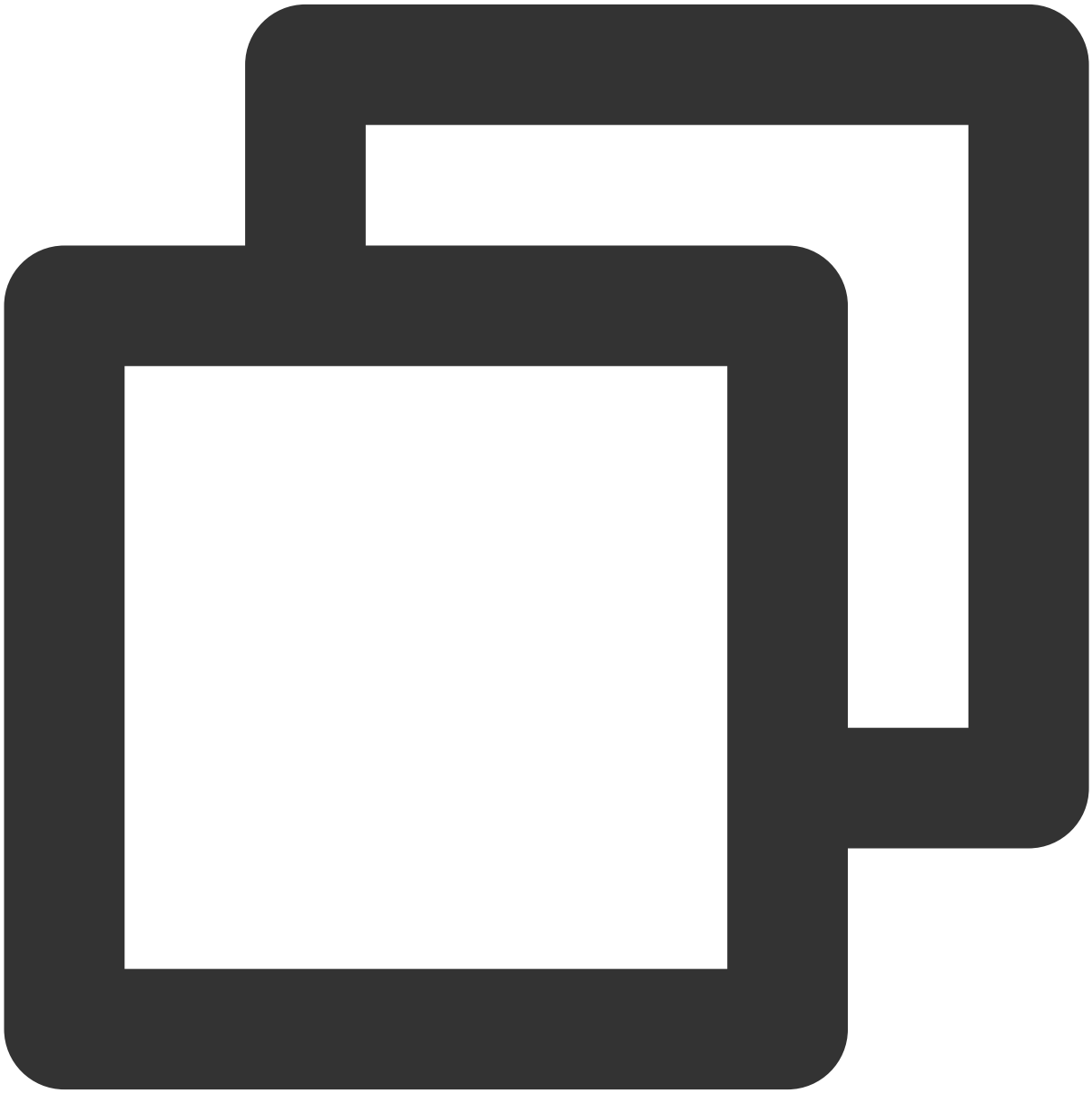
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RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:06:27+0800</CreationTime>
        <EndTime>2022-06-30T19:06:34+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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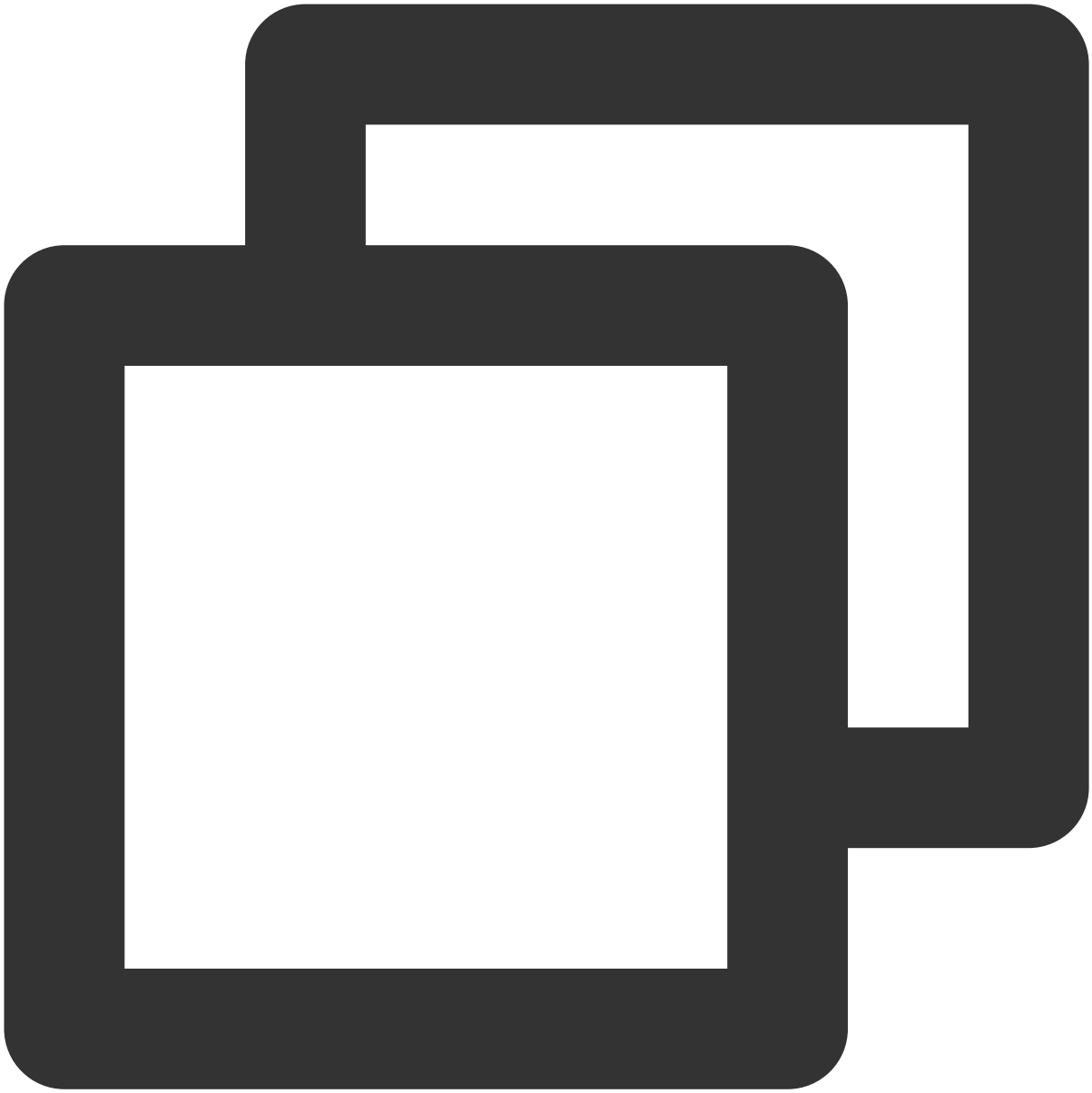
```
        <JobId>jb01fe2f2f86411ec9ca1073b78d316d3</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>834736</Bitrate>
                    <Duration>13.654</Duration>
                    <NumStream>1</NumStream>
                    <Size>1424687</Size>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>104047</Bitrate>
                        <Channel>2</Channel>
                        <CodecName>aac</CodecName>
                        <Duration>13.653</Duration>
                        <Index>1</Index>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>25.000</AvgFps>
                        <Bitrate>763774</Bitrate>
                        <CodecName>h264</CodecName>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960</Duration>
                        <Fps>25.000</Fps>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Level>1.000</Level>
                        <NumFrames>324</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <Rotation>0</Rotation>
                        <StartTime>0.000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile/>
            </MediaResult>
            <QualityEstimate>
```

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```
                <Score>6.460358</Score>
            </QualityEstimate>
            <UserData>This is my QualityEstimate job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:06:28+0800</StartTime>
        <State>Success</State>
        <Tag>QualityEstimate</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback in JSON format triggered by a job API

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": {
        "Code": "Success",
        "CreationTime": "2022-06-30T19:06:27+0800",
        "EndTime": "2022-06-30T19:06:34+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing"
        },
```


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```
        "JobId": "jb01fe2f2f86411ec9ca1073b78d316d3",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "834736",
                    "Duration": "13.654",
                    "NumStream": "1",
                    "Size": "1424687"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "104047",
                        "Channel": "2",
                        "CodecName": "aac",
                        "Duration": "13.653",
                        "Index": "1",
                        "SampleFmt": "fltp",
                        "SampleRate": "44100"
                    },
                    "Video": {
                        "AvgFps": "25.000",
                        "Bitrate": "763774",
                        "CodecName": "h264",
                        "ColorPrimaries": "unknown",
                        "ColorRange": "tv",
                        "ColorTransfer": "smpte170m",
                        "Duration": "12.960",
                        "Fps": "25.000",
                        "Height": "960",
                        "Index": "0",
                        "Level": "1.000",
                        "NumFrames": "324",
                        "PixFormat": "yuv420p",
                        "Profile": "High",
                        "Rotation": "0",
                        "StartTime": "0.000",
                        "Timebase": "1/12800",
                        "Width": "544"
                    }
                }
            },
            "MediaResult": {

            },
            "QualityEstimate": {
                "Score": "6.460358"
            },
```


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```
            "UserData": "This is my QualityEstimate job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T19:06:28+0800",
        "State": "Success",
        "Tag": "QualityEstimate"
    }
}
```


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SDRtoHDR

Last updated：2024-02-27 15:42:23

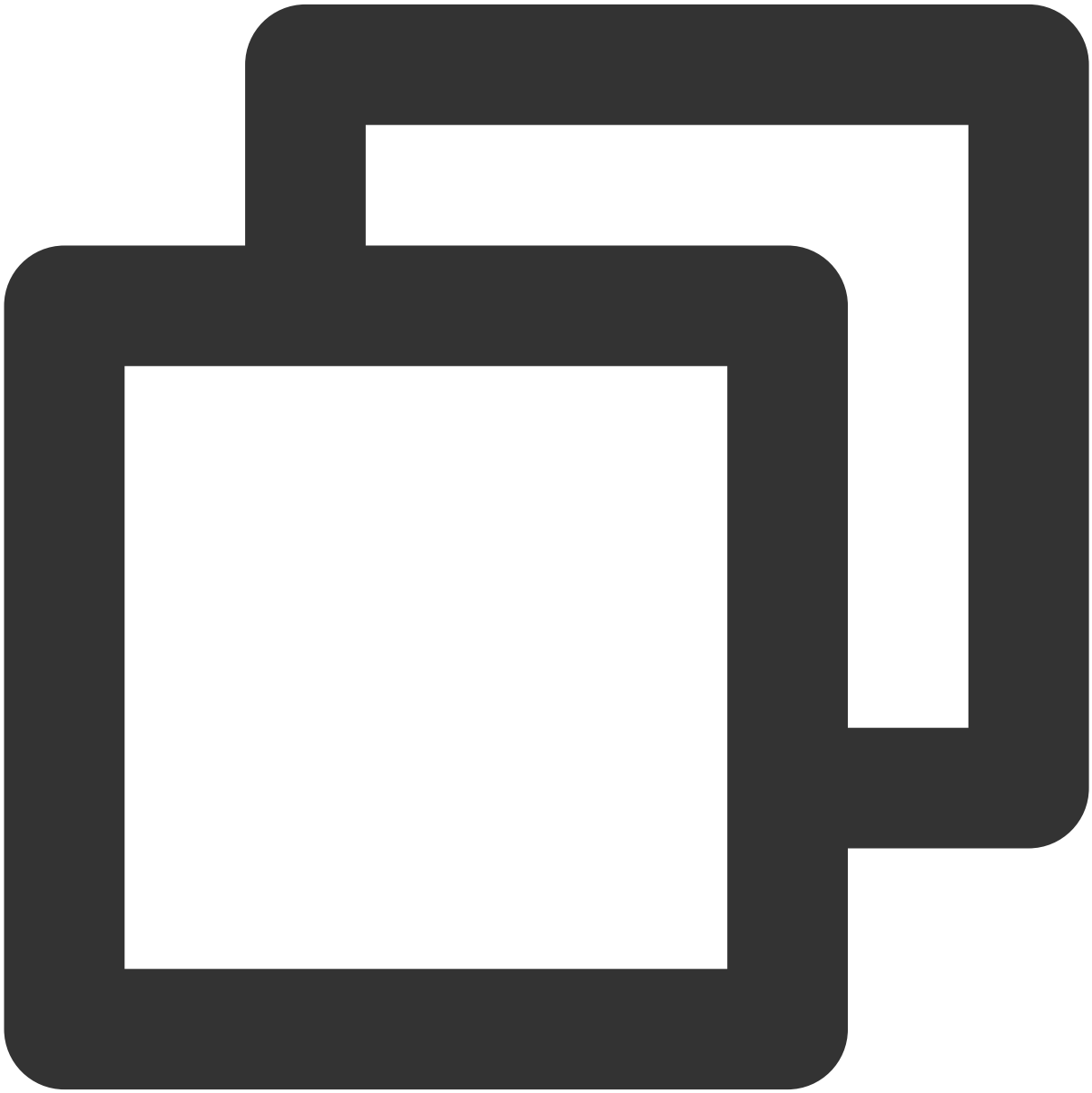
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:20:45+0800</CreationTime>
        <EndTime>2022-06-30T19:21:06+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>jafa709a2f86611ec9452c1c27f56a659</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>9514.268000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>16238478</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.652993</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>24.922840</AvgFps>
                        <Bitrate>9878.900000</Bitrate>
                        <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                        <CodecName>hevc</CodecName>
                        <CodecTag>0x31637668</CodecTag>
                        <CodecTagString>hvc1</CodecTagString>
                        <CodecTimeBase>1/12800</CodecTimeBase>
                        <ColorPrimaries>bt2020</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte2084</ColorTransfer>
                        <Duration>12.960000</Duration>
                        <FieldOrder>progressive</FieldOrder>
                        <Fps>25.000000</Fps>
```

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```
                        <HasBFrame>2</HasBFrame>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>93</Level>
                        <NumFrames>323</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>Main</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>ed8b5615687d789d6293bd58fa1ea1c0</Md5>
                        <ObjectName>output/sdr2hdr.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/sdr2hdr.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/sdr2hdr.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <SDRtoHDR>
                <HdrMode>HDR10</HdrMode>
            </SDRtoHDR>
            <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
            <UserData>This is my SDRtoHDR job.</UserData>
            <WatermarkTemplateId>t143ae6e040af6431aa772c9ec3f0a3f36</WatermarkTempl
            <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTempl
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:20:46+0800</StartTime>
        <State>Success</State>
        <Tag>SDRtoHDR</Tag>
    </JobsDetail>
</Response>
```


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The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the SDR-to-HDR job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

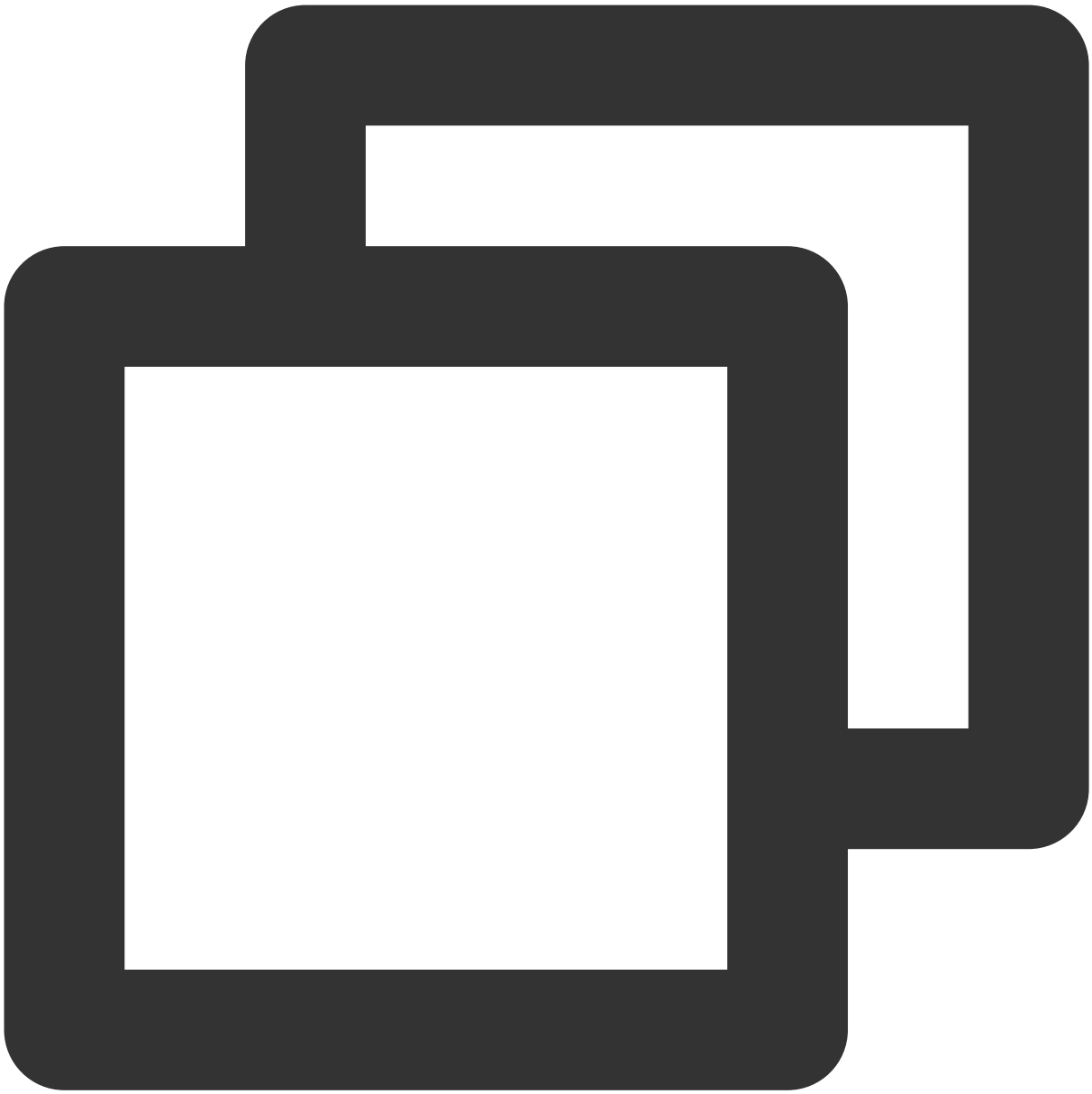
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

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Sample 1: Job callback triggered by a job API



```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:20:45+0800</CreationTime>
        <EndTime>2022-06-30T19:21:06+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
```

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```
            <Region>ap-chongqing</Region>
        </Input>
        <JobId>jafa709a2f86611ec9452c1c27f56a659</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>9514.268000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>16238478</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.652993</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>24.922840</AvgFps>
                        <Bitrate>9878.900000</Bitrate>
                        <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                        <CodecName>hevc</CodecName>
                        <CodecTag>0x31637668</CodecTag>
                        <CodecTagString>hvc1</CodecTagString>
                        <CodecTimeBase>1/12800</CodecTimeBase>
                        <ColorPrimaries>bt2020</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte2084</ColorTransfer>
                        <Duration>12.960000</Duration>
```

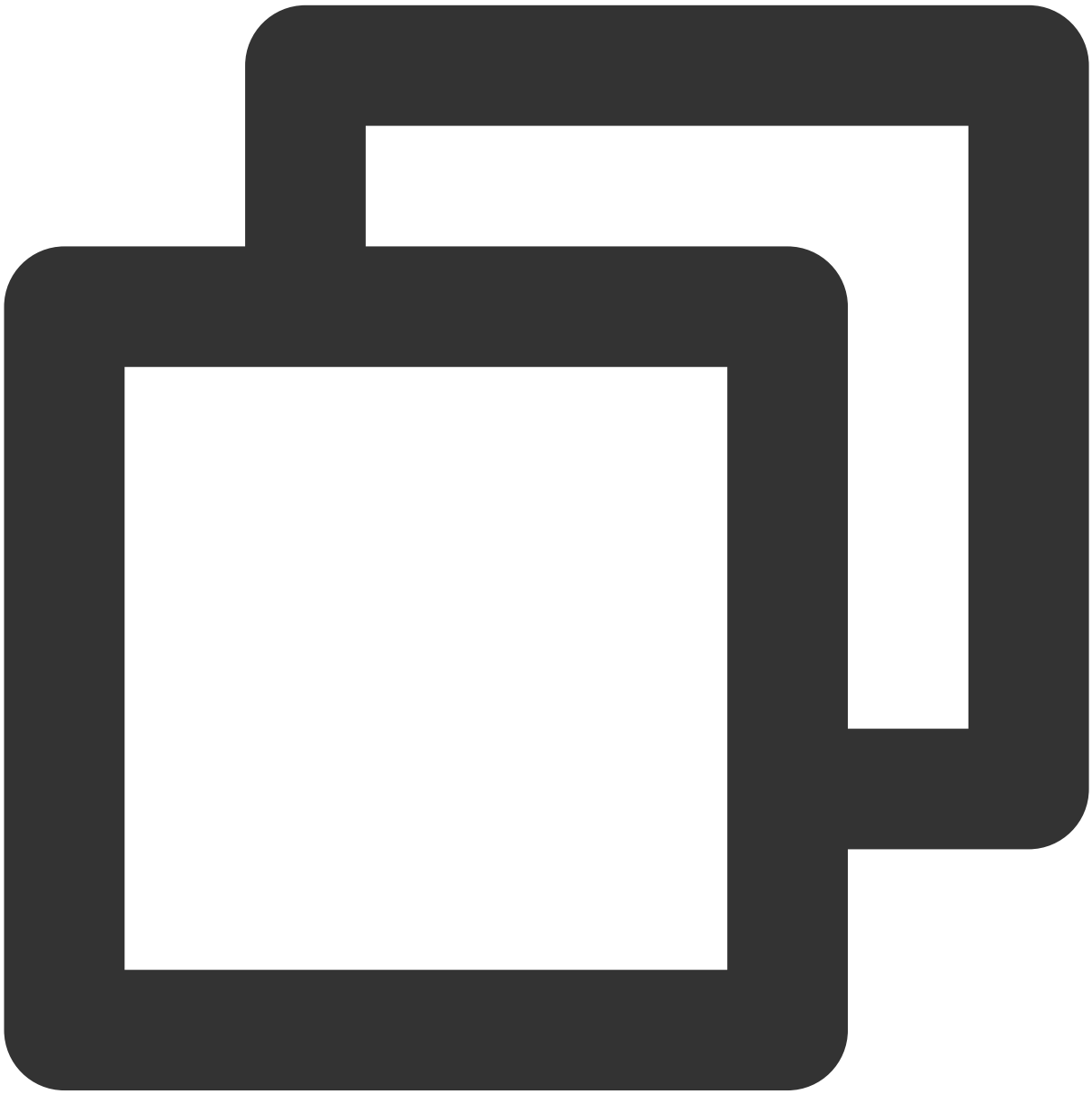
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```
                    <FieldOrder>progressive</FieldOrder>
                    <Fps>25.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>93</Level>
                    <NumFrames>323</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>Main</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>544</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>ed8b5615687d789d6293bd58fa1ea1c0</Md5>
                    <ObjectName>output/sdr2hdr.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/sdr2hdr.mp4</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
            <Object>output/sdr2hdr.mp4</Object>
            <Region>ap-chongqing</Region>
        </Output>
        <SDRtoHDR>
            <HdrMode>HDR10</HdrMode>
        </SDRtoHDR>
        <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
        <UserData>This is my SDRtoHDR job.</UserData>
        <WatermarkTemplateId>t143ae6e040af6431aa772c9ec3f0a3f36</WatermarkTempl
        <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTempl
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <StartTime>2022-06-30T19:20:46+0800</StartTime>
    <State>Success</State>
    <Tag>SDRtoHDR</Tag>
```


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```
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow



```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:20:45+0800</CreationTime>
```

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```
        <EndTime>2022-06-30T19:21:06+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>jafa709a2f86611ec9452c1c27f56a659</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>9514.268000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>16238478</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.652993</Duration>
```

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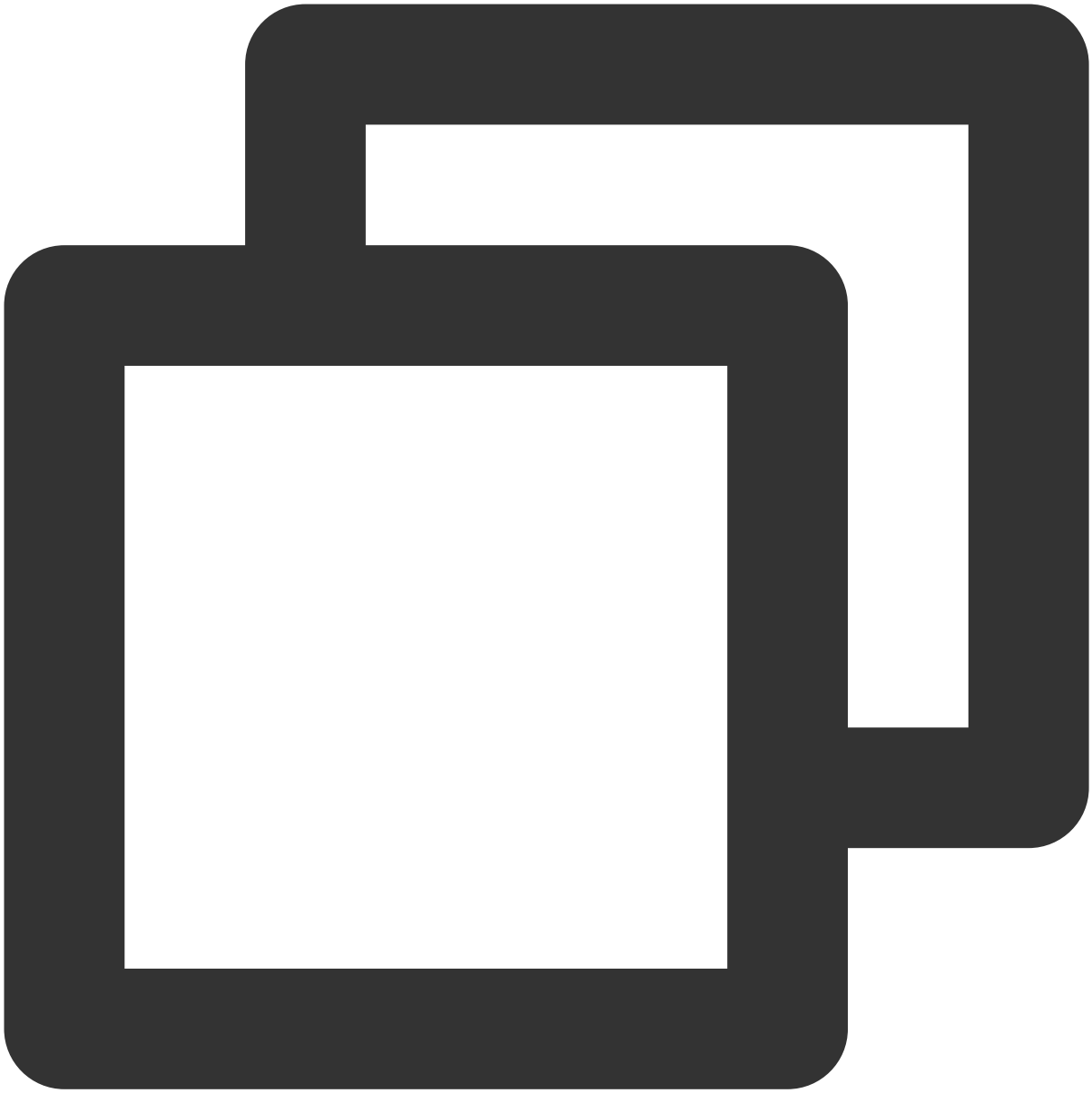
```
                    <Index>1</Index>
                    <Language>und</Language>
                    <SampleFmt>fltp</SampleFmt>
                    <SampleRate>44100</SampleRate>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/44100</Timebase>
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>24.922840</AvgFps>
                    <Bitrate>9878.900000</Bitrate>
                    <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                    <CodecName>hevc</CodecName>
                    <CodecTag>0x31637668</CodecTag>
                    <CodecTagString>hvc1</CodecTagString>
                    <CodecTimeBase>1/12800</CodecTimeBase>
                    <ColorPrimaries>bt2020</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte2084</ColorTransfer>
                    <Duration>12.960000</Duration>
                    <FieldOrder>progressive</FieldOrder>
                    <Fps>25.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>93</Level>
                    <NumFrames>323</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>Main</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>544</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>ed8b5615687d789d6293bd58fa1ea1c0</Md5>
                    <ObjectName>output/sdr2hdr.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/sdr2hdr.mp4</ObjectName>
                <ObjectPrefix/>
```

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```
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/sdr2hdr.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <SDRtoHDR>
                <HdrMode>HDR10</HdrMode>
            </SDRtoHDR>
            <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
            <UserData>This is my SDRtoHDR job.</UserData>
            <WatermarkTemplateId>t143ae6e040af6431aa772c9ec3f0a3f36</WatermarkTempl
            <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTempl
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:20:46+0800</StartTime>
        <State>Success</State>
        <Tag>SDRtoHDR</Tag>
        <Workflow>
            <Name>SDRtoHDR_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T19:20:45+0800",
        "EndTime": "2022-06-30T19:21:06+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```

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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "jafa709a2f86611ec9452c1c27f56a659",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "9514.268000",
                    "Duration": "13.654000",
                    "FormatLongName": "QuickTime / MOV",
                    "FormatName": "mov,mp4,m4a,3gp,3g2,mj2",
                    "NumProgram": "0",
                    "NumStream": "2",
                    "Size": "16238478",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "128.726000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/44100",
                        "Duration": "13.652993",
                        "Index": "1",
                        "Language": "und",
                        "SampleFmt": "fltp",
                        "SampleRate": "44100",
                        "StartTime": "0.000000",
                        "Timebase": "1/44100"
```


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```
                },
                "Video": {
                    "AvgFps": "24.922840",
                    "Bitrate": "9878.900000",
                    "CodecLongName": "H.265 / HEVC (High Efficiency Video Codin
                    "CodecName": "hevc",
                    "CodecTag": "0x31637668",
                    "CodecTagString": "hvc1",
                    "CodecTimeBase": "1/12800",
                    "ColorPrimaries": "bt2020",
                    "ColorRange": "tv",
                    "ColorTransfer": "smpte2084",
                    "Duration": "12.960000",
                    "FieldOrder": "progressive",
                    "Fps": "25.000000",
                    "HasBFrame": "2",
                    "Height": "960",
                    "Index": "0",
                    "Language": "und",
                    "Level": "93",
                    "NumFrames": "323",
                    "PixFormat": "yuv420p",
                    "Profile": "Main",
                    "RefFrames": "1",
                    "Rotation": "0.000000",
                    "StartTime": "0.000000",
                    "Timebase": "1/12800",
                    "Width": "544"
                }
            }
        },
        "MediaResult": {
            "OutputFile": {
                "Bucket": "test-123456789",
                "Md5Info": {
                    "Md5": "ed8b5615687d789d6293bd58fa1ea1c0",
                    "ObjectName": "output/sdr2hdr.mp4"
                },
                "ObjectName": "output/sdr2hdr.mp4",
                "Region": "ap-chongqing"
            }
        },
        "Output": {
            "Bucket": "test-123456789",
            "Object": "output/sdr2hdr.mp4",
            "Region": "ap-chongqing"
        },
```


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```
            "SDRtoHDR": {
                "HdrMode": "HDR10"
            },
            "TranscodeTemplateId": "t156c107210e7243c5817354565d81b578",
            "UserData": "This is my SDRtoHDR job.",
            "WatermarkTemplateId": [
                "t143ae6e040af6431aa772c9ec3f0a3f36",
                "t12a74d11687d444deba8a6cc52051ac27"
            ]
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T19:20:46+0800",
        "State": "Success",
        "Tag": "SDRtoHDR",
        "Workflow": {
            "Name": "SDRtoHDR_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Remuxing (Audio/Video Segmentation)

Last updated：2024-02-27 15:42:23

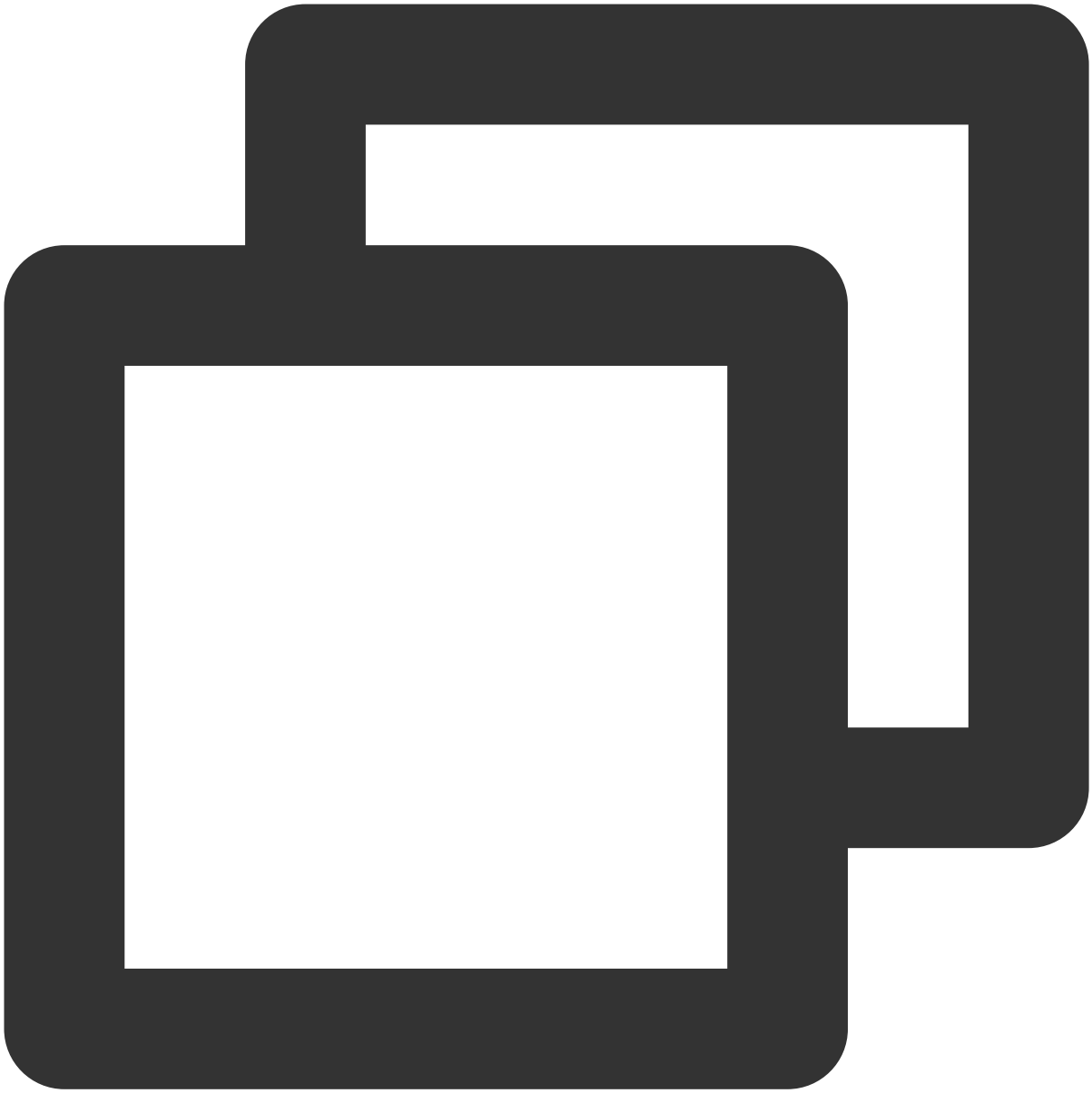
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:14:31+0800</CreationTime>
        <EndTime>2022-06-30T19:14:36+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>jd0c0da74f86511ec8a5a87e016101404</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>2629.749000</Bitrate>
                    <Duration>215.680000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>70898041</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>256.000000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/48000</CodecTimeBase>
                        <Duration>215.637000</Duration>
                        <Index>1</Index>
                        <Language>eng</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>48000</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/48000</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>24.000000</AvgFps>
                        <Bitrate>2369.296000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/12288</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Duration>215.583333</Duration>
                        <Fps>24.000000</Fps>
                        <HasBFrame>2</HasBFrame>
```

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```
                    <Height>1080</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>40</Level>
                    <NumFrames>5174</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>High</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12288</Timebase>
                    <Width>1920</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>59a4edd95c6ddca43277d82cf33edc0d</Md5>
                    <ObjectName>output/segment-0</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>7fdacd7f2e2dbdc1dc3ccc00f96893b5</Md5>
                    <ObjectName>output/segment-1</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>4c377ddb6f65021f6741dbd45bbff654</Md5>
                    <ObjectName>output/segment-2</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>59317dbc9db6d4d6fb723e3005809c01</Md5>
                    <ObjectName>output/segment-3</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>a81091e57005eece211b5f60bfbddea1</Md5>
                    <ObjectName>output/segment-4</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>7b87e88264a983a06b17558c8a3a2bd8</Md5>
                    <ObjectName>output/segment-5</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>607b2abc29ed11ad1d2f678b594c6ffa</Md5>
                    <ObjectName>output/segment-6</ObjectName>
                </Md5Info>
                <Md5Info>
```

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```
                        <Md5>4fe2d33dc9d08a5ea9d5d6db0f724008</Md5>
                        <ObjectName>output/segment-7</ObjectName>
                    </Md5Info>
                    <Md5Info>
                        <Md5>a84dd4f738ce81f4e3da55b393b2fae4</Md5>
                        <ObjectName>output/segment-8</ObjectName>
                    </Md5Info>
                    <ObjectName>0</ObjectName>
                    <ObjectName>1</ObjectName>
                    <ObjectName>2</ObjectName>
                    <ObjectName>3</ObjectName>
                    <ObjectName>4</ObjectName>
                    <ObjectName>5</ObjectName>
                    <ObjectName>6</ObjectName>
                    <ObjectName>7</ObjectName>
                    <ObjectName>8</ObjectName>
                    <ObjectPrefix>output/segment-</ObjectPrefix>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/segment-${number}</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <Segment>
                <Duration>25</Duration>
                <Format>mp4</Format>
                <HlsEncrypt>
                    <IsHlsEncrypt>false</IsHlsEncrypt>
                    <UriKey/>
                </HlsEncrypt>
            </Segment>
            <UserData>This is my Segment job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:14:32+0800</StartTime>
        <State>Success</State>
        <Tag>Segment</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the remuxing job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

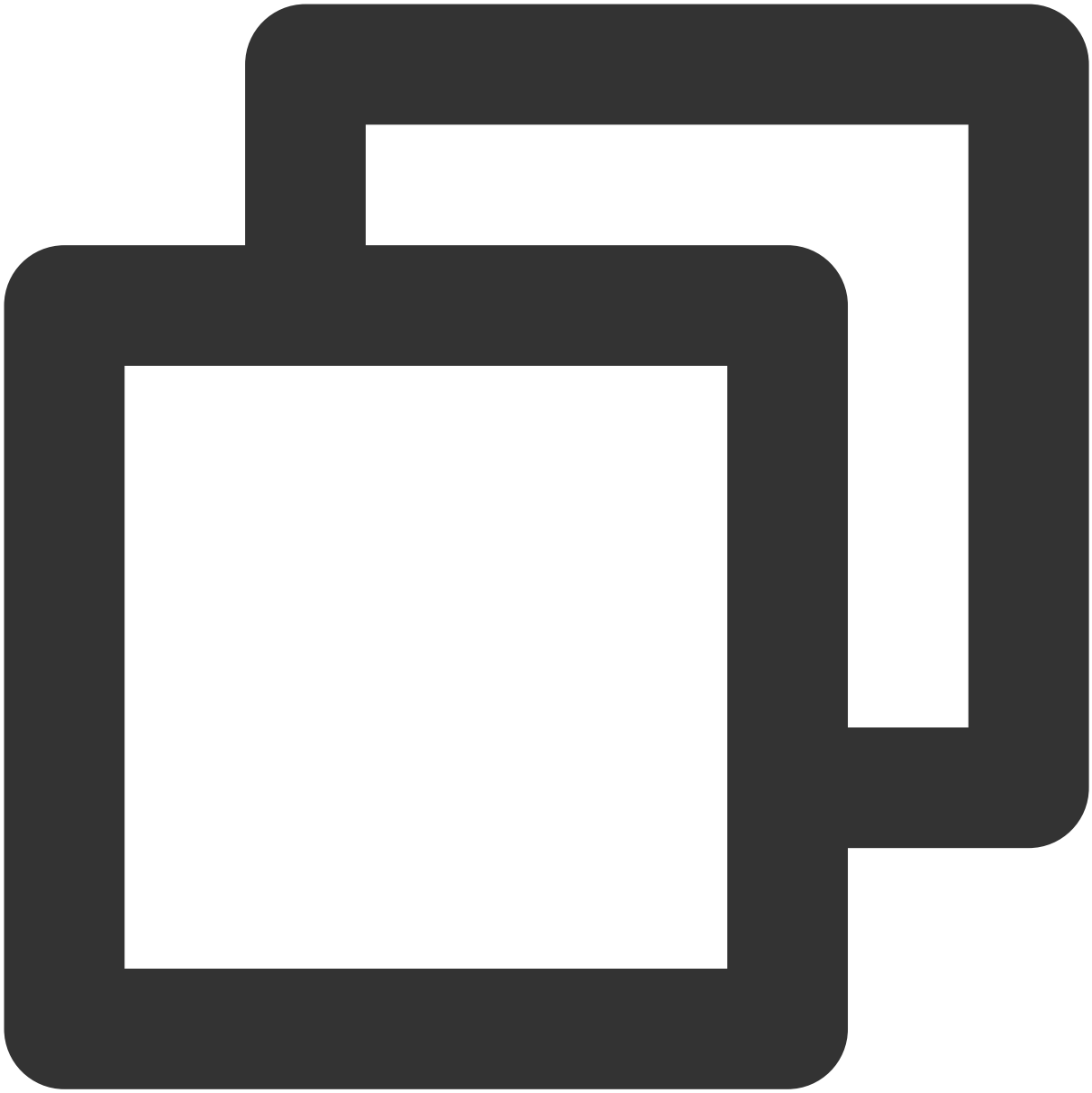
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:14:31+0800</CreationTime>
        <EndTime>2022-06-30T19:14:36+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>jd0c0da74f86511ec8a5a87e016101404</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>2629.749000</Bitrate>
                    <Duration>215.680000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>70898041</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>256.000000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/48000</CodecTimeBase>
                        <Duration>215.637000</Duration>
                        <Index>1</Index>
                        <Language>eng</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>48000</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/48000</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>24.000000</AvgFps>
                        <Bitrate>2369.296000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/12288</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Duration>215.583333</Duration>
                        <Fps>24.000000</Fps>
                        <HasBFrame>2</HasBFrame>
```

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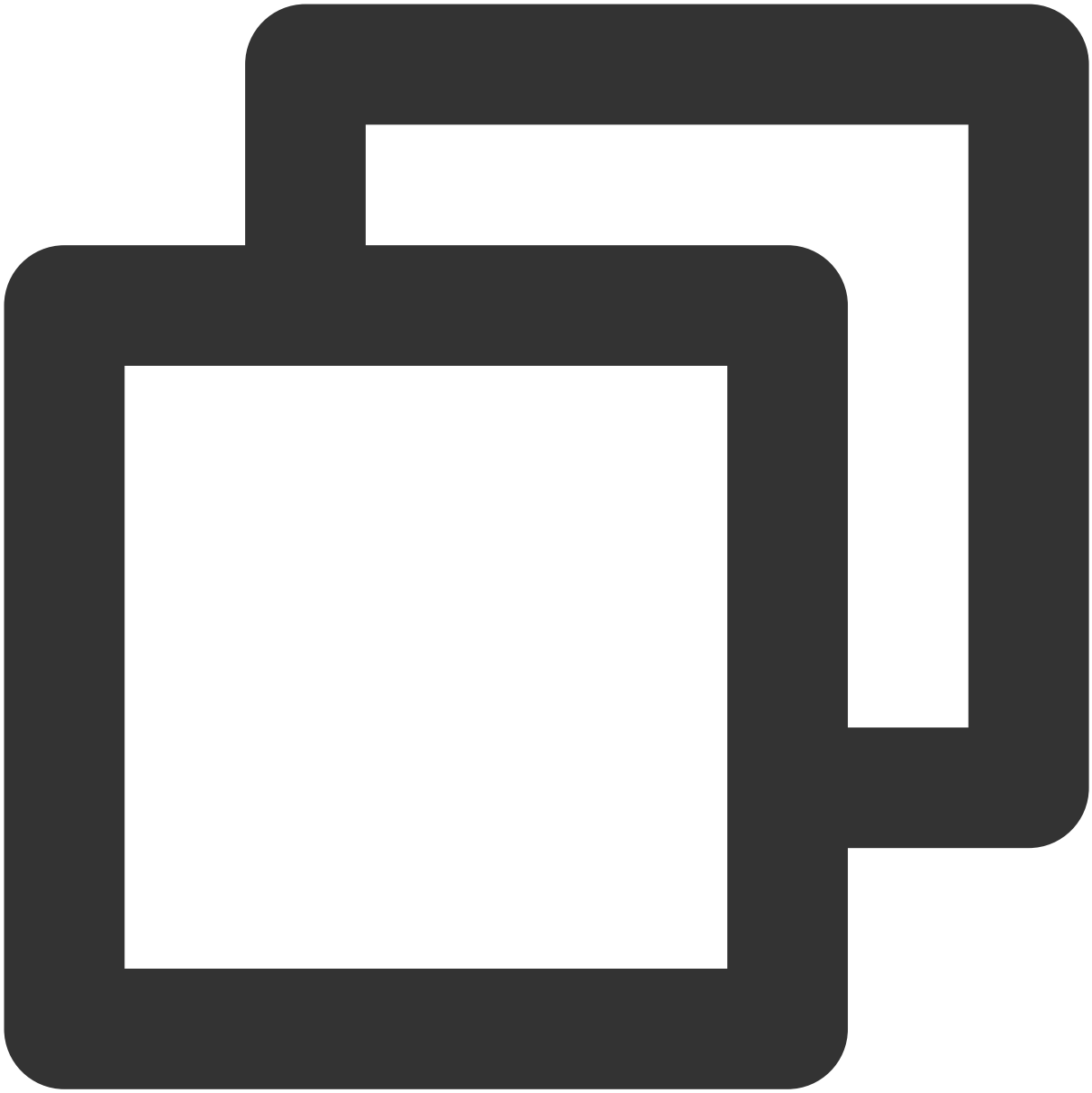
```
                    <Height>1080</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>40</Level>
                    <NumFrames>5174</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>High</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12288</Timebase>
                    <Width>1920</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>59a4edd95c6ddca43277d82cf33edc0d</Md5>
                    <ObjectName>output/segment-0</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>7fdacd7f2e2dbdc1dc3ccc00f96893b5</Md5>
                    <ObjectName>output/segment-1</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>4c377ddb6f65021f6741dbd45bbff654</Md5>
                    <ObjectName>output/segment-2</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>59317dbc9db6d4d6fb723e3005809c01</Md5>
                    <ObjectName>output/segment-3</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>a81091e57005eece211b5f60bfbddea1</Md5>
                    <ObjectName>output/segment-4</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>7b87e88264a983a06b17558c8a3a2bd8</Md5>
                    <ObjectName>output/segment-5</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>607b2abc29ed11ad1d2f678b594c6ffa</Md5>
                    <ObjectName>output/segment-6</ObjectName>
                </Md5Info>
                <Md5Info>
```

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```
                        <Md5>4fe2d33dc9d08a5ea9d5d6db0f724008</Md5>
                        <ObjectName>output/segment-7</ObjectName>
                    </Md5Info>
                    <Md5Info>
                        <Md5>a84dd4f738ce81f4e3da55b393b2fae4</Md5>
                        <ObjectName>output/segment-8</ObjectName>
                    </Md5Info>
                    <ObjectName>0</ObjectName>
                    <ObjectName>1</ObjectName>
                    <ObjectName>2</ObjectName>
                    <ObjectName>3</ObjectName>
                    <ObjectName>4</ObjectName>
                    <ObjectName>5</ObjectName>
                    <ObjectName>6</ObjectName>
                    <ObjectName>7</ObjectName>
                    <ObjectName>8</ObjectName>
                    <ObjectPrefix>output/segment-</ObjectPrefix>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/segment-${number}</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <Segment>
                <Duration>25</Duration>
                <Format>mp4</Format>
                <HlsEncrypt>
                    <IsHlsEncrypt>false</IsHlsEncrypt>
                    <UriKey/>
                </HlsEncrypt>
            </Segment>
            <UserData>This is my Segment job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:14:32+0800</StartTime>
        <State>Success</State>
        <Tag>Segment</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:14:31+0800</CreationTime>
        <EndTime>2022-06-30T19:14:36+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>jd0c0da74f86511ec8a5a87e016101404</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>2629.749000</Bitrate>
                    <Duration>215.680000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>70898041</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>256.000000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/48000</CodecTimeBase>
                        <Duration>215.637000</Duration>
                        <Index>1</Index>
                        <Language>eng</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>48000</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/48000</Timebase>
```

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```
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>24.000000</AvgFps>
                    <Bitrate>2369.296000</Bitrate>
                    <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                    <CodecName>h264</CodecName>
                    <CodecTag>0x31637661</CodecTag>
                    <CodecTagString>avc1</CodecTagString>
                    <CodecTimeBase>1/12288</CodecTimeBase>
                    <ColorPrimaries>unknown</ColorPrimaries>
                    <ColorRange>unknown</ColorRange>
                    <ColorTransfer>unknown</ColorTransfer>
                    <Duration>215.583333</Duration>
                    <Fps>24.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>1080</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>40</Level>
                    <NumFrames>5174</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>High</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12288</Timebase>
                    <Width>1920</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>59a4edd95c6ddca43277d82cf33edc0d</Md5>
                    <ObjectName>output/segment-0</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>7fdacd7f2e2dbdc1dc3ccc00f96893b5</Md5>
                    <ObjectName>output/segment-1</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>4c377ddb6f65021f6741dbd45bbff654</Md5>
                    <ObjectName>output/segment-2</ObjectName>
                </Md5Info>
                <Md5Info>
```


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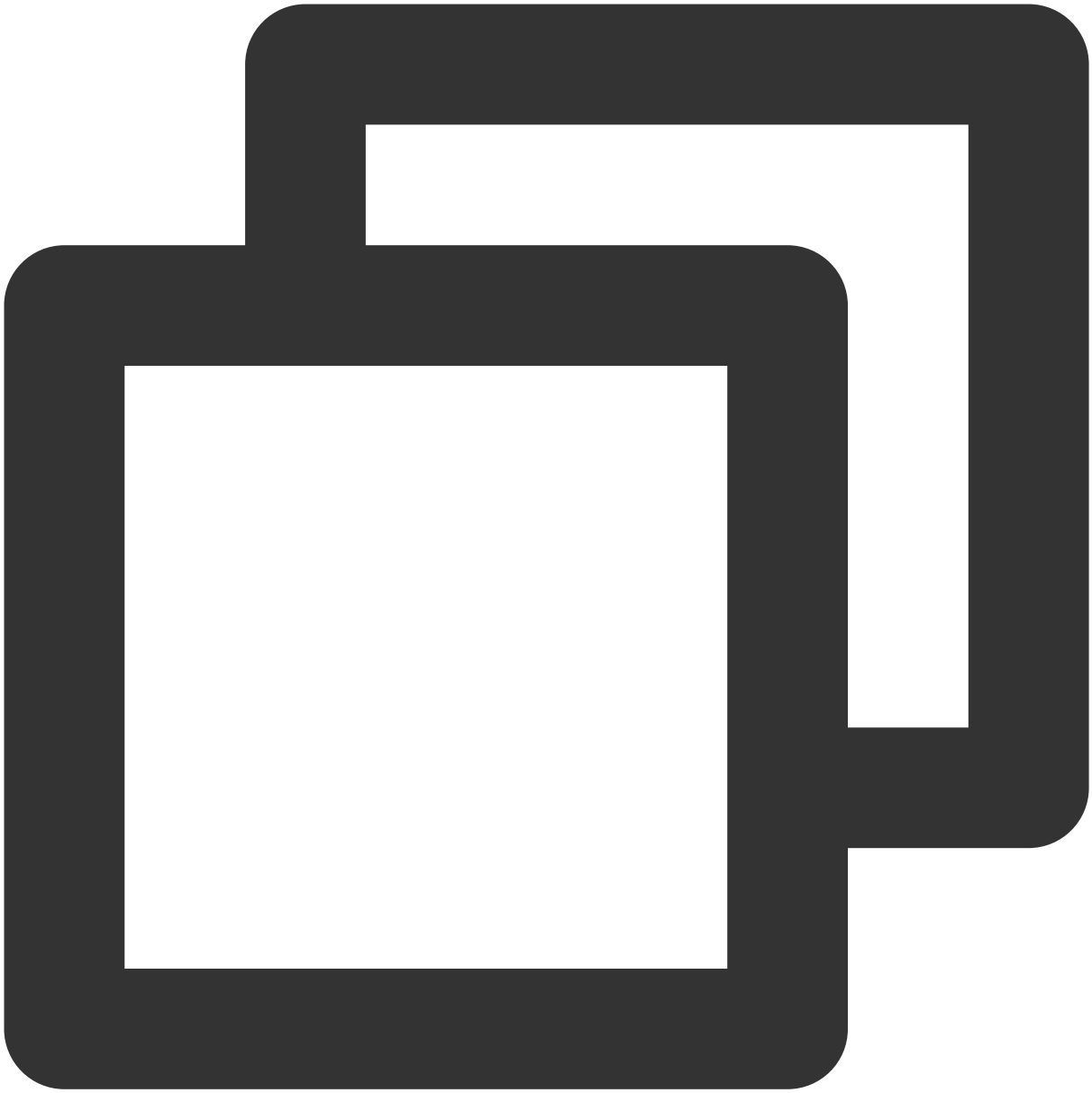
```
                    <Md5>59317dbc9db6d4d6fb723e3005809c01</Md5>
                    <ObjectName>output/segment-3</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>a81091e57005eece211b5f60bfbddea1</Md5>
                    <ObjectName>output/segment-4</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>7b87e88264a983a06b17558c8a3a2bd8</Md5>
                    <ObjectName>output/segment-5</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>607b2abc29ed11ad1d2f678b594c6ffa</Md5>
                    <ObjectName>output/segment-6</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>4fe2d33dc9d08a5ea9d5d6db0f724008</Md5>
                    <ObjectName>output/segment-7</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>a84dd4f738ce81f4e3da55b393b2fae4</Md5>
                    <ObjectName>output/segment-8</ObjectName>
                </Md5Info>
                <ObjectName>0</ObjectName>
                <ObjectName>1</ObjectName>
                <ObjectName>2</ObjectName>
                <ObjectName>3</ObjectName>
                <ObjectName>4</ObjectName>
                <ObjectName>5</ObjectName>
                <ObjectName>6</ObjectName>
                <ObjectName>7</ObjectName>
                <ObjectName>8</ObjectName>
                <ObjectPrefix>output/segment-</ObjectPrefix>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
            <Object>output/segment-${number}</Object>
            <Region>ap-chongqing</Region>
        </Output>
        <Segment>
            <Duration>25</Duration>
            <Format>mp4</Format>
            <HlsEncrypt>
                <IsHlsEncrypt>false</IsHlsEncrypt>
                <UriKey/>
```

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```
                </HlsEncrypt>
            </Segment>
            <UserData>This is my Segment job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:14:32+0800</StartTime>
        <State>Success</State>
        <Tag>Segment</Tag>
        <Workflow>
            <Name>Segment_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T19:14:31+0800",
        "EndTime": "2022-06-30T19:14:36+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```


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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "jd0c0da74f86511ec8a5a87e016101404",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "2629.749000",
                    "Duration": "215.680000",
                    "FormatLongName": "QuickTime / MOV",
                    "FormatName": "mov,mp4,m4a,3gp,3g2,mj2",
                    "NumProgram": "0",
                    "NumStream": "2",
                    "Size": "70898041",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "256.000000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/48000",
                        "Duration": "215.637000",
                        "Index": "1",
                        "Language": "eng",
                        "SampleFmt": "fltp",
                        "SampleRate": "48000",
                        "StartTime": "0.000000",
                        "Timebase": "1/48000"
```


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```
                },
                "Video": {
                    "AvgFps": "24.000000",
                    "Bitrate": "2369.296000",
                    "CodecLongName": "H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10
                    "CodecName": "h264",
                    "CodecTag": "0x31637661",
                    "CodecTagString": "avc1",
                    "CodecTimeBase": "1/12288",
                    "ColorPrimaries": "unknown",
                    "ColorRange": "unknown",
                    "ColorTransfer": "unknown",
                    "Duration": "215.583333",
                    "Fps": "24.000000",
                    "HasBFrame": "2",
                    "Height": "1080",
                    "Index": "0",
                    "Language": "und",
                    "Level": "40",
                    "NumFrames": "5174",
                    "PixFormat": "yuv420p",
                    "Profile": "High",
                    "RefFrames": "1",
                    "Rotation": "0.000000",
                    "StartTime": "0.000000",
                    "Timebase": "1/12288",
                    "Width": "1920"
                }
            }
        },
        "MediaResult": {
            "OutputFile": {
                "Bucket": "test-123456789",
                "Md5Info": [{
                        "Md5": "59a4edd95c6ddca43277d82cf33edc0d",
                        "ObjectName": "output/segment-0"
                    },
                    {
                        "Md5": "7fdacd7f2e2dbdc1dc3ccc00f96893b5",
                        "ObjectName": "output/segment-1"
                    },
                    {
                        "Md5": "4c377ddb6f65021f6741dbd45bbff654",
                        "ObjectName": "output/segment-2"
                    },
                    {
                        "Md5": "59317dbc9db6d4d6fb723e3005809c01",
```


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```
                        "ObjectName": "output/segment-3"
                    },
                    {
                        "Md5": "a81091e57005eece211b5f60bfbddea1",
                        "ObjectName": "output/segment-4"
                    },
                    {
                        "Md5": "7b87e88264a983a06b17558c8a3a2bd8",
                        "ObjectName": "output/segment-5"
                    },
                    {
                        "Md5": "607b2abc29ed11ad1d2f678b594c6ffa",
                        "ObjectName": "output/segment-6"
                    },
                    {
                        "Md5": "4fe2d33dc9d08a5ea9d5d6db0f724008",
                        "ObjectName": "output/segment-7"
                    },
                    {
                        "Md5": "a84dd4f738ce81f4e3da55b393b2fae4",
                        "ObjectName": "output/segment-8"
                    }
                ],
                "ObjectName": [
                    "0",
                    "1",
                    "2",
                    "3",
                    "4",
                    "5",
                    "6",
                    "7",
                    "8"
                ],
                "ObjectPrefix": "output/segment-",
                "Region": "ap-chongqing"
            }
        },
        "Output": {
            "Bucket": "test-123456789",
            "Object": "output/segment-${number}",
            "Region": "ap-chongqing"
        },
        "Segment": {
            "Duration": "25",
            "Format": "mp4",
            "HlsEncrypt": {
```

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```
                    "IsHlsEncrypt": "false"
                }
            },
            "UserData": "This is my Segment job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T19:14:32+0800",
        "State": "Success",
        "Tag": "Segment",
        "Workflow": {
            "Name": "Segment_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Intelligent Thumbnail

Last updated：2024-02-27 15:42:23

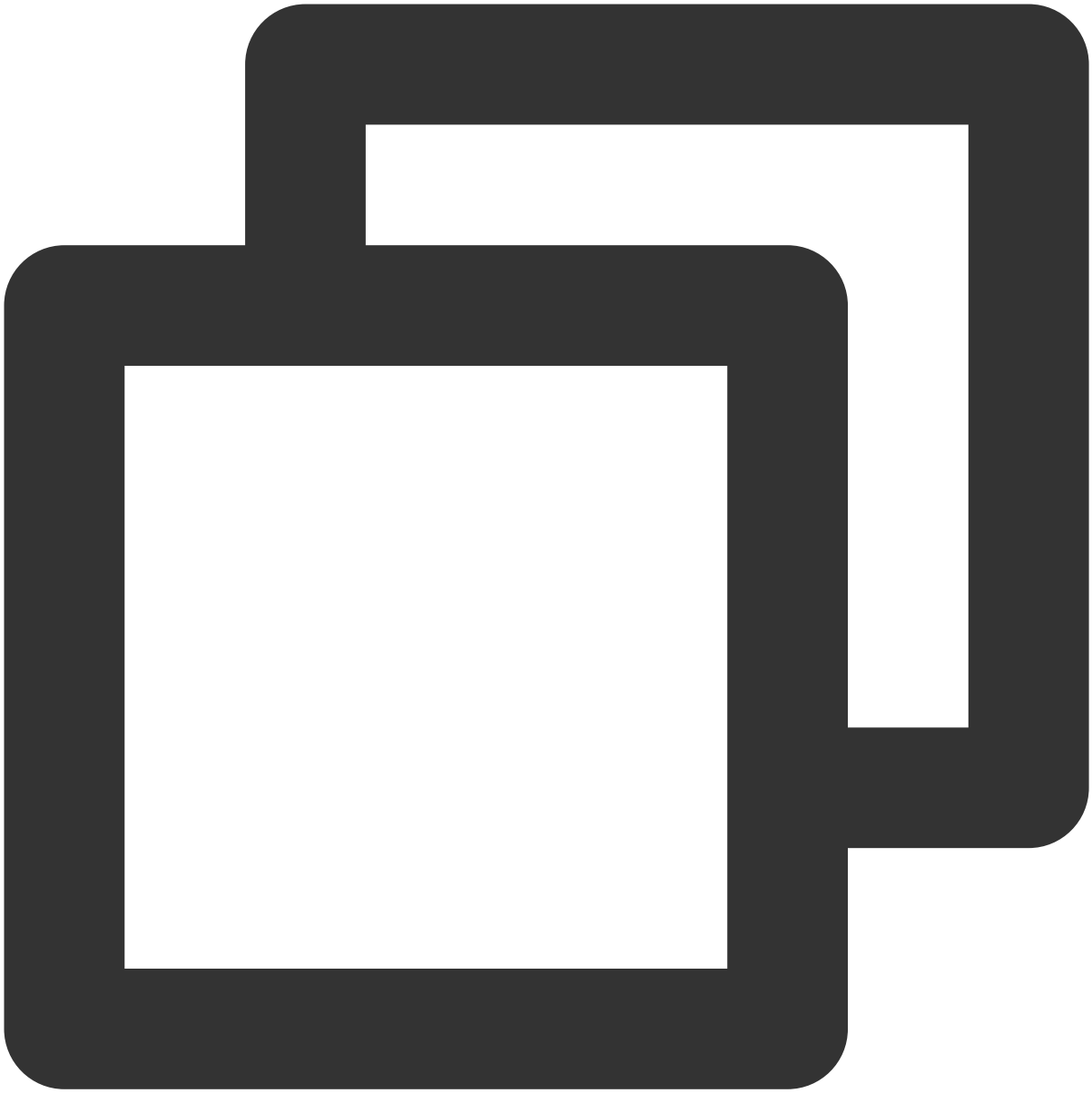
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:29:48+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j6842765cf84611ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format/>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info/>
                    <ObjectName>output/smartcover-0.jpg</ObjectName>
                    <ObjectName>output/smartcover-1.jpg</ObjectName>
                    <ObjectName>output/smartcover-2.jpg</ObjectName>
                    <ObjectName>output/smartcover-3.jpg</ObjectName>
                    <ObjectName>output/smartcover-4.jpg</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/smartcover-${Number}.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <SmartCover>
                <Count>5</Count>
                <DeleteDuplicates>false</DeleteDuplicates>
                <Format>jpg</Format>
                <Height>960</Height>
                <Width>1280</Width>
            </SmartCover>
            <UserData>This is my SmartCover job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:43+0800</StartTime>
        <State>Success</State>
        <Tag>SmartCover</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the intelligent thumbnail job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

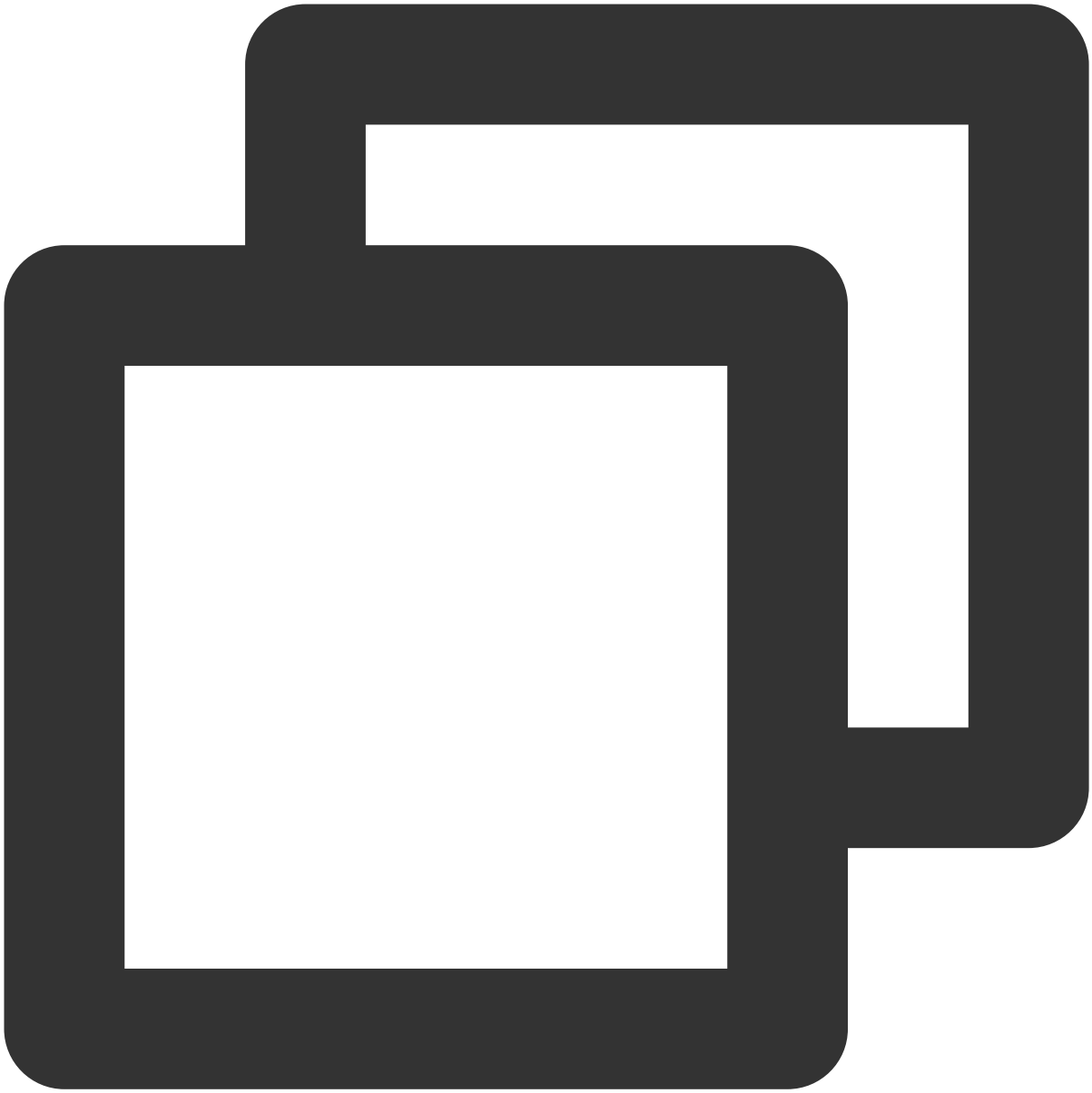
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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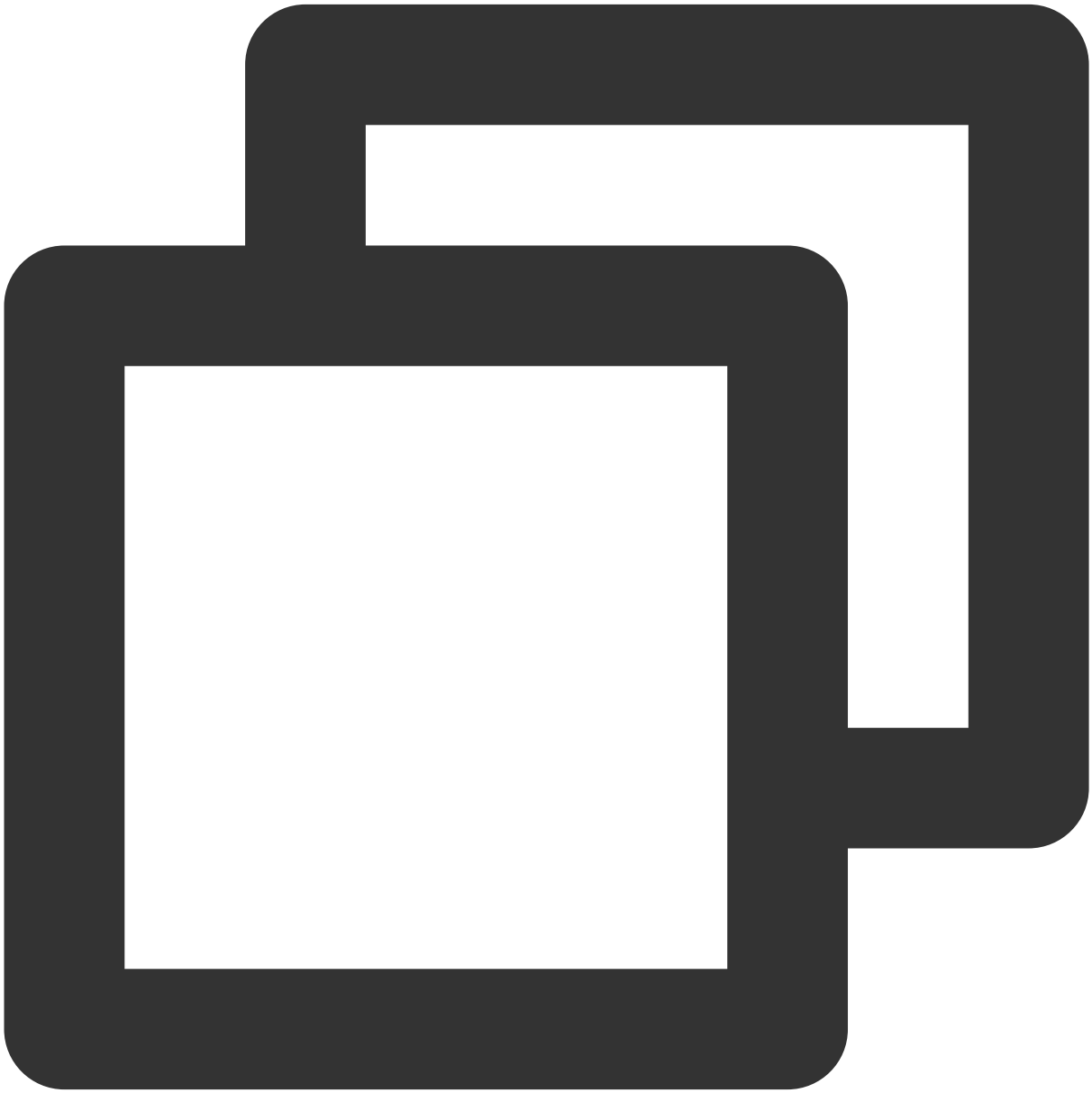
```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:29:48+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j6842765cf84611ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format/>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info/>
                    <ObjectName>output/smartcover-0.jpg</ObjectName>
                    <ObjectName>output/smartcover-1.jpg</ObjectName>
                    <ObjectName>output/smartcover-2.jpg</ObjectName>
                    <ObjectName>output/smartcover-3.jpg</ObjectName>
                    <ObjectName>output/smartcover-4.jpg</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/smartcover-${Number}.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <SmartCover>
                <Count>5</Count>
                <DeleteDuplicates>false</DeleteDuplicates>
                <Format>jpg</Format>
                <Height>960</Height>
                <Width>1280</Width>
            </SmartCover>
            <UserData>This is my SmartCover job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:43+0800</StartTime>
        <State>Success</State>
        <Tag>SmartCover</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:29:48+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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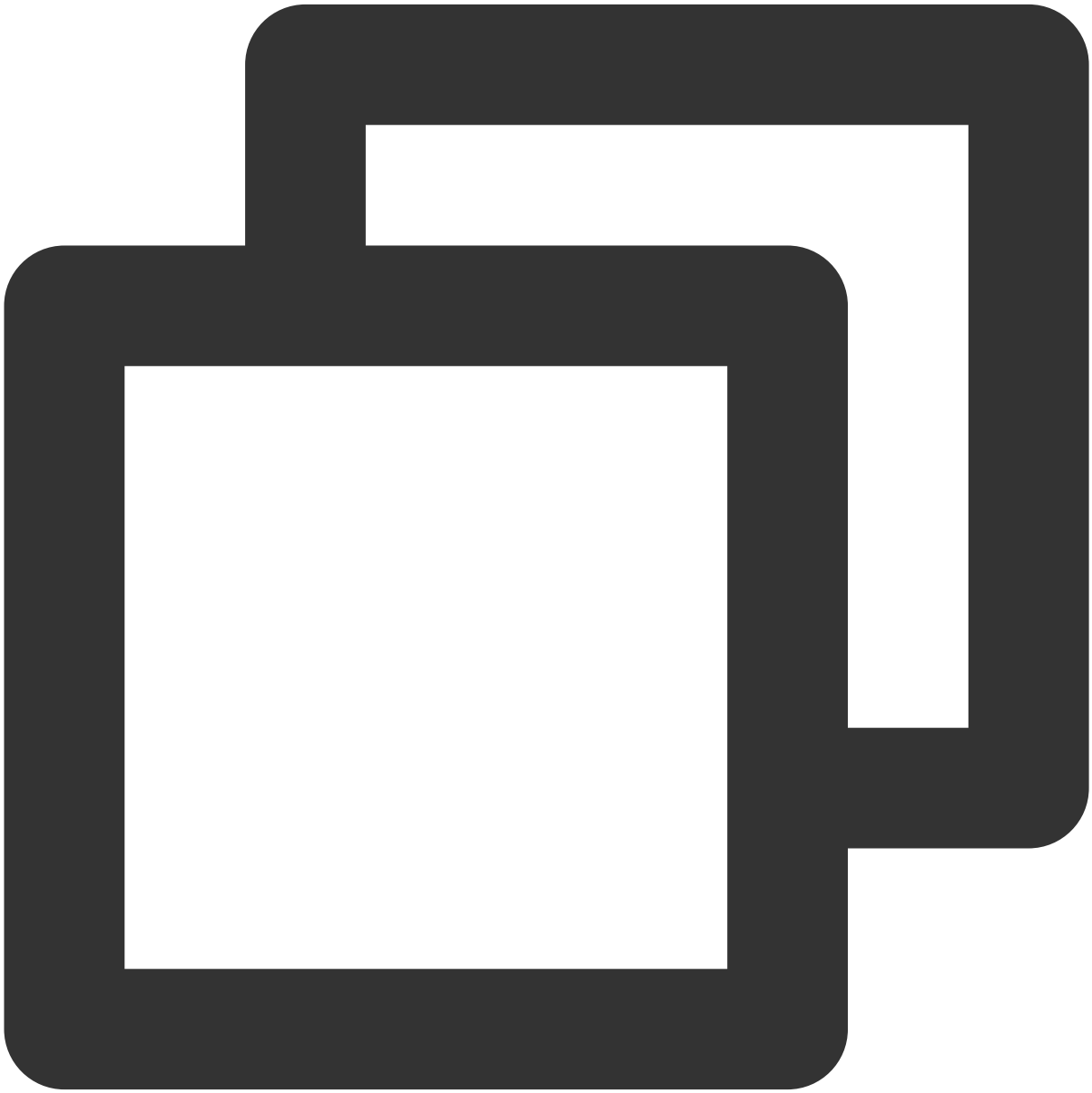
```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j6842765cf84611ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format/>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info/>
                    <ObjectName>output/smartcover-0.jpg</ObjectName>
                    <ObjectName>output/smartcover-1.jpg</ObjectName>
                    <ObjectName>output/smartcover-2.jpg</ObjectName>
                    <ObjectName>output/smartcover-3.jpg</ObjectName>
                    <ObjectName>output/smartcover-4.jpg</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/smartcover-${Number}.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <SmartCover>
                <Count>5</Count>
```

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```
                <DeleteDuplicates>false</DeleteDuplicates>
                <Format>jpg</Format>
                <Height>960</Height>
                <Width>1280</Width>
            </SmartCover>
            <UserData>This is my SmartCover job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:43+0800</StartTime>
        <State>Success</State>
        <Tag>SmartCover</Tag>
        <Workflow>
            <Name>SmartCover_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T15:29:42+0800",
        "EndTime": "2022-06-30T15:29:48+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```


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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j6842765cf84611ecb8546d80f2baf56f",
        "Operation": {
            "MediaInfo": {
                "Stream": {

                }
            },
            "MediaResult": {
                "OutputFile": {
                    "Bucket": "test-123456789",
                    "ObjectName": [
                        "output/smartcover-0.jpg",
                        "output/smartcover-1.jpg",
                        "output/smartcover-2.jpg",
                        "output/smartcover-3.jpg",
                        "output/smartcover-4.jpg"
                    ],
                    "Region": "ap-chongqing"
                }
            },
            "Output": {
                "Bucket": "test-123456789",
                "Object": "output/smartcover-${Number}.jpg",
                "Region": "ap-chongqing"
            },
            "SmartCover": {
                "Count": "5",
                "DeleteDuplicates": "false",
                "Format": "jpg",
                "Height": "960",
```


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```
                "Width": "1280"
            },
            "UserData": "This is my SmartCover job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T15:29:43+0800",
        "State": "Success",
        "Tag": "SmartCover",
        "Workflow": {
            "Name": "SmartCover_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Frame Capturing

Last updated：2024-02-27 15:42:23

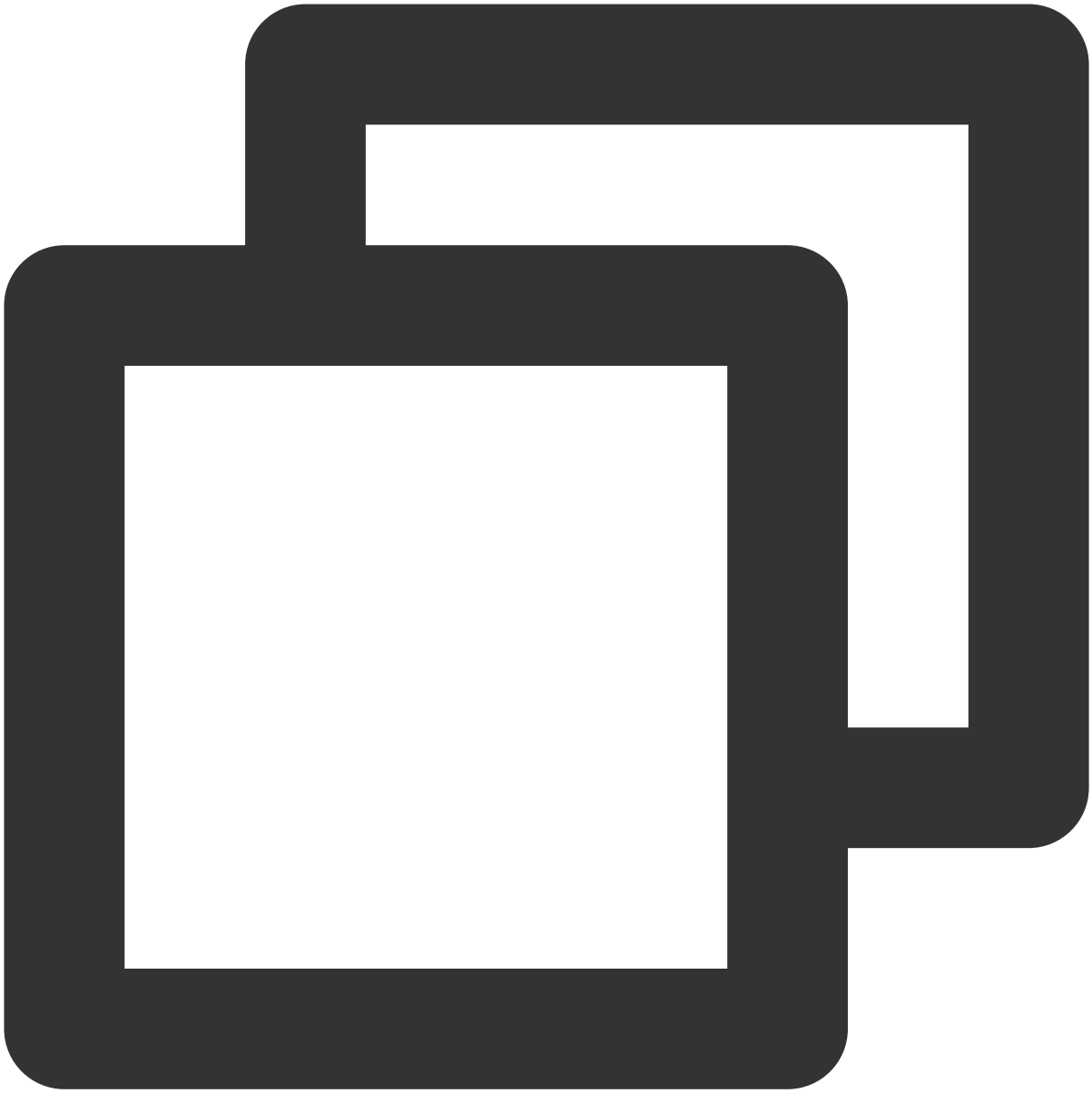
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:25:11+0800</CreationTime>
        <EndTime>2022-06-30T19:25:14+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j4e431ba0f86711ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format/>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info/>
                    <ObjectName>0.jpg</ObjectName>
                    <ObjectName>1.jpg</ObjectName>
                    <ObjectName>2.jpg</ObjectName>
                    <ObjectName>3.jpg</ObjectName>
                    <ObjectName>4.jpg</ObjectName>
                    <ObjectName>5.jpg</ObjectName>
                    <ObjectPrefix>output/snapshot-</ObjectPrefix>
                    <Region>ap-chongqing</Region>
                    <SpriteOutputFile>
                        <Bucket>test-123456789</Bucket>
                        <Md5Info/>
                        <ObjectName>0.jpg</ObjectName>
                        <ObjectPrefix>output/sprite-</ObjectPrefix>
                        <Region>ap-chongqing</Region>
                    </SpriteOutputFile>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/snapshot-${Number}.jpg</Object>
                <Region>ap-chongqing</Region>
                <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
            </Output>
            <TemplateId>t1f16e1dfbdc9ds4105b31632d45710642a</TemplateId>
            <TemplateName>template_snapshot</TemplateName>
            <UserData>This is my Snapshot job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:25:12+0800</StartTime>
        <State>Success</State>
        <Tag>Snapshot</Tag>
    </JobsDetail>
```

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```
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the screenshot job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

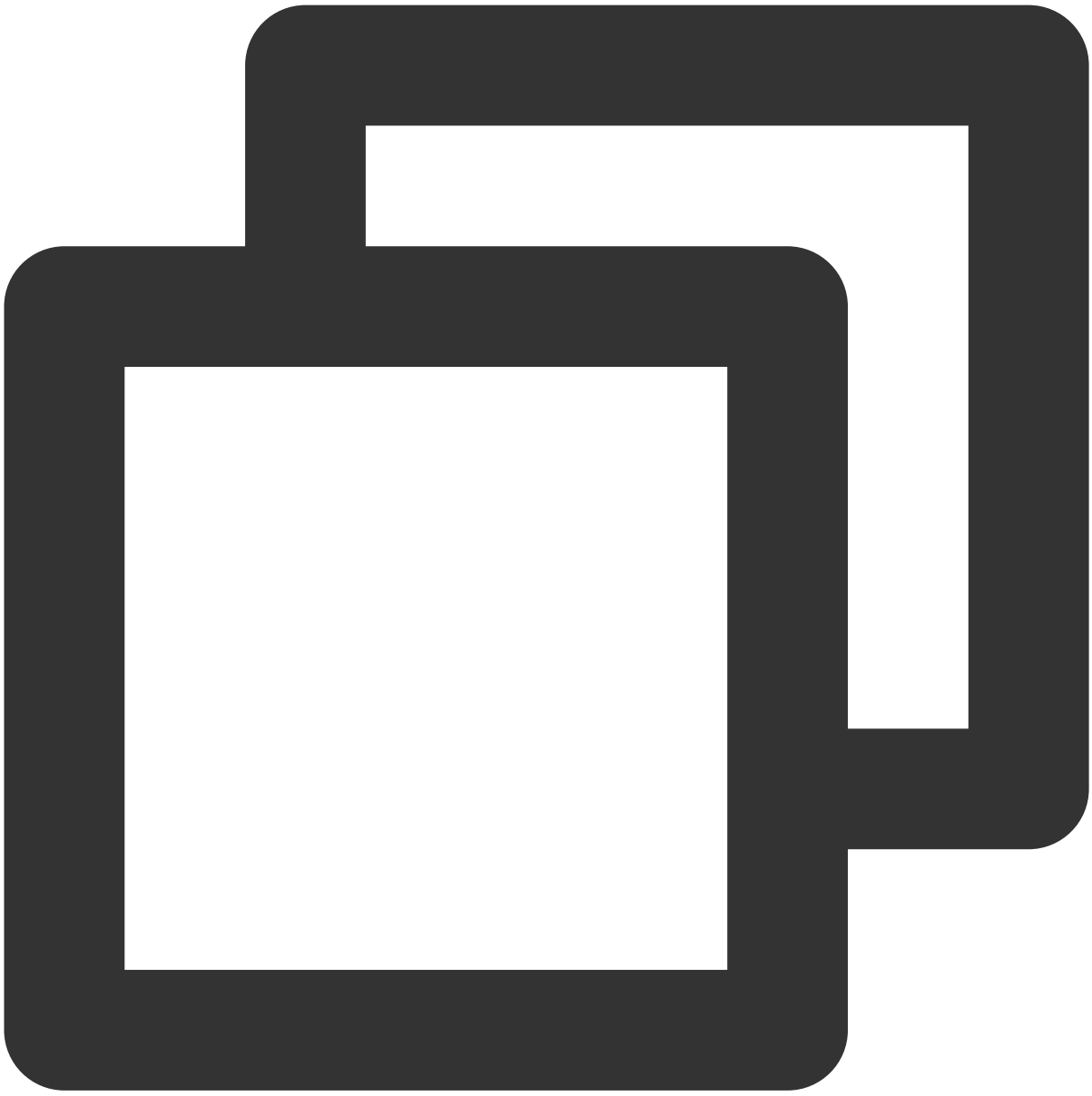
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

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Samples

Sample 1: Job callback triggered by a job API



```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:25:11+0800</CreationTime>
        <EndTime>2022-06-30T19:25:14+0800</EndTime>
```

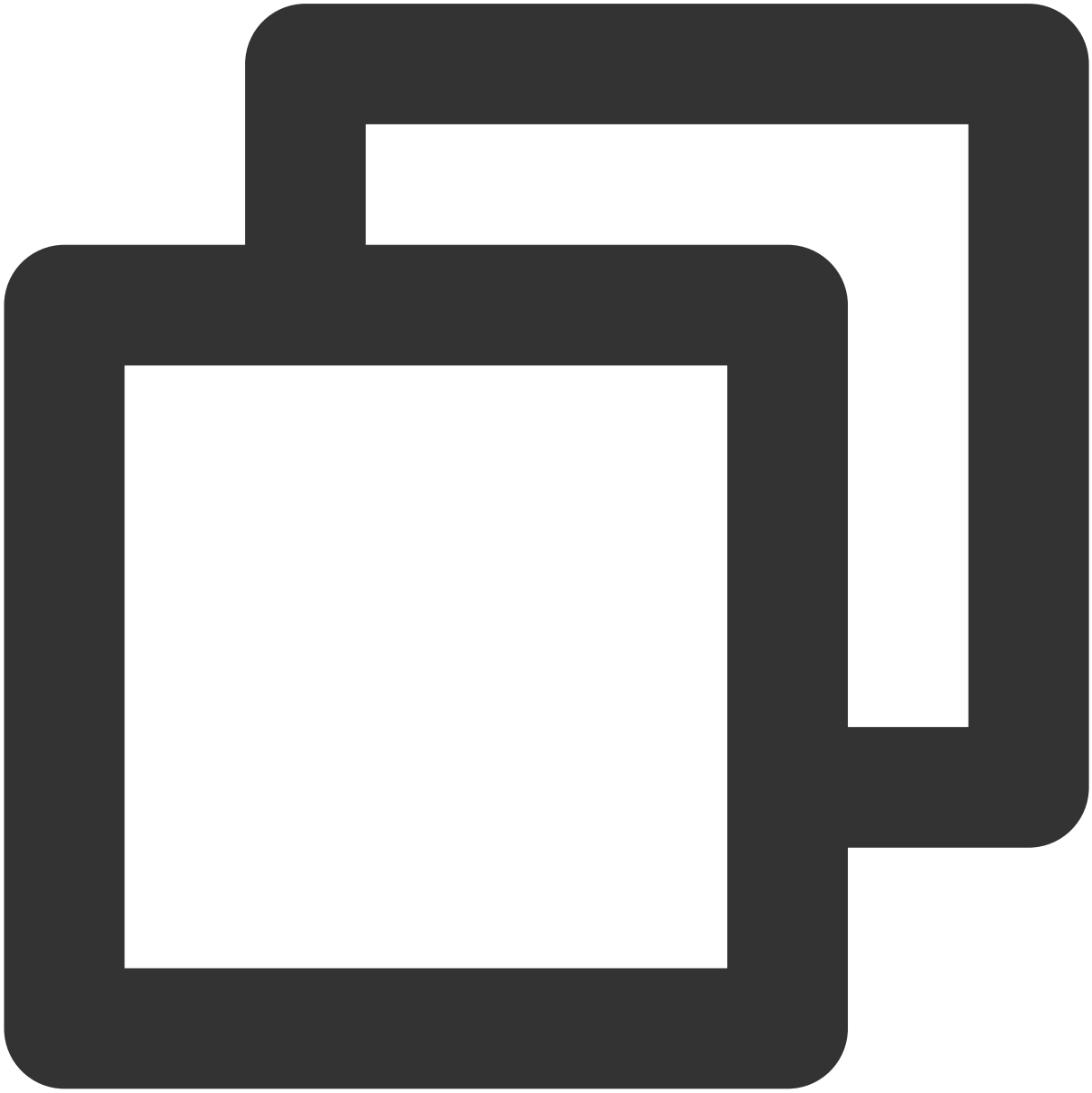
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```
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <JobId>j4e431ba0f86711ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format/>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info/>
                    <ObjectName>0.jpg</ObjectName>
                    <ObjectName>1.jpg</ObjectName>
                    <ObjectName>2.jpg</ObjectName>
                    <ObjectName>3.jpg</ObjectName>
                    <ObjectName>4.jpg</ObjectName>
                    <ObjectName>5.jpg</ObjectName>
                    <ObjectPrefix>output/snapshot-</ObjectPrefix>
                    <Region>ap-chongqing</Region>
                    <SpriteOutputFile>
                        <Bucket>test-123456789</Bucket>
                        <Md5Info/>
                        <ObjectName>0.jpg</ObjectName>
                        <ObjectPrefix>output/sprite-</ObjectPrefix>
                        <Region>ap-chongqing</Region>
                    </SpriteOutputFile>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/snapshot-${Number}.jpg</Object>
                <Region>ap-chongqing</Region>
                <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
            </Output>
            <TemplateId>t1f16e1dfbdc9ds4105b31632d45710642a</TemplateId>
            <TemplateName>template_snapshot</TemplateName>
            <UserData>This is my Snapshot job.</UserData>
        </Operation>
```

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```
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:25:12+0800</StartTime>
        <State>Success</State>
        <Tag>Snapshot</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow



```
<Response>
```

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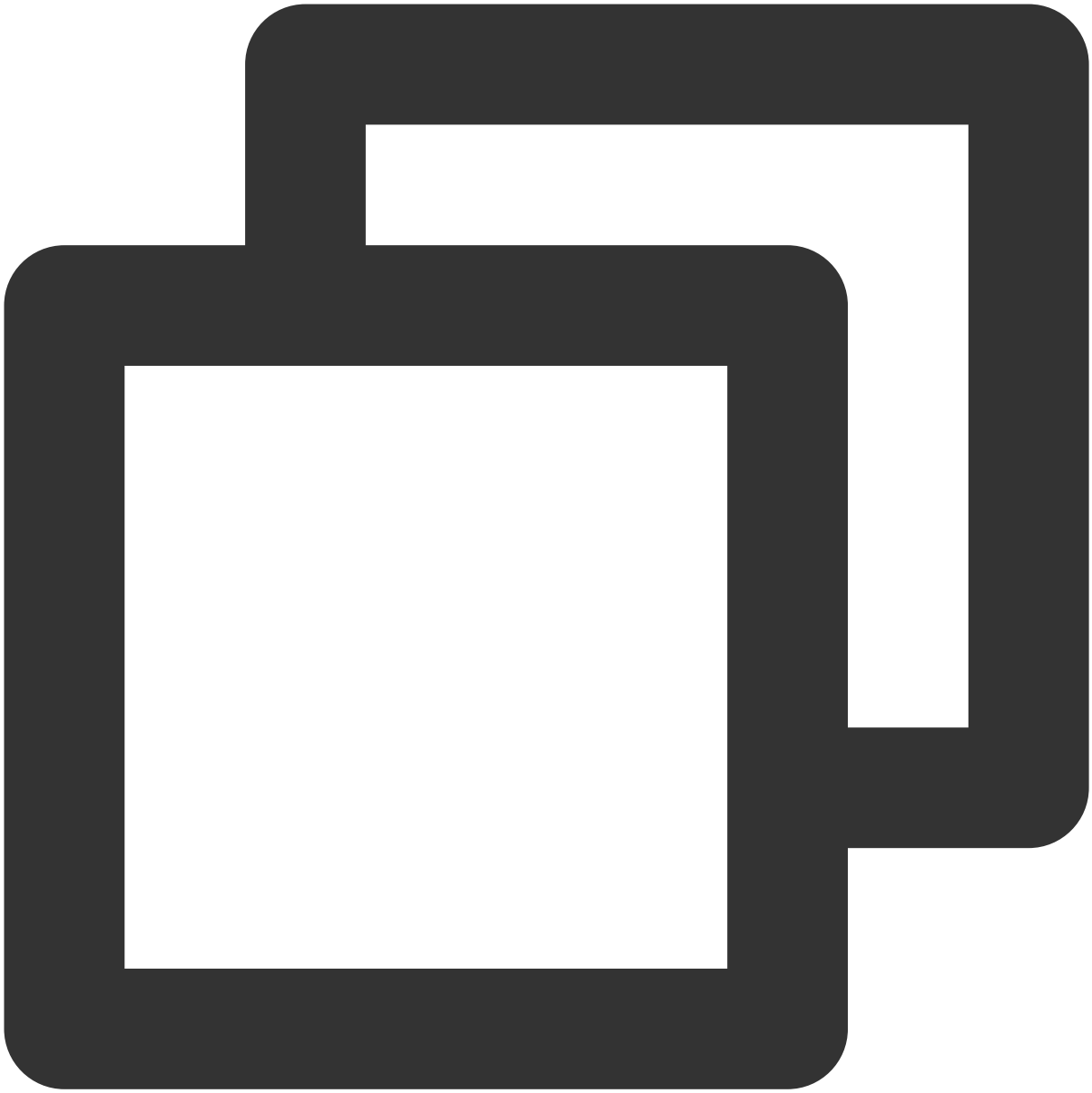
```
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:25:11+0800</CreationTime>
        <EndTime>2022-06-30T19:25:14+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j4e431ba0f86711ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format/>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info/>
                    <ObjectName>0.jpg</ObjectName>
                    <ObjectName>1.jpg</ObjectName>
                    <ObjectName>2.jpg</ObjectName>
                    <ObjectName>3.jpg</ObjectName>
                    <ObjectName>4.jpg</ObjectName>
                    <ObjectName>5.jpg</ObjectName>
```

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```
                    <ObjectPrefix>output/snapshot-</ObjectPrefix>
                    <Region>ap-chongqing</Region>
                    <SpriteOutputFile>
                        <Bucket>test-123456789</Bucket>
                        <Md5Info/>
                        <ObjectName>0.jpg</ObjectName>
                        <ObjectPrefix>output/sprite-</ObjectPrefix>
                        <Region>ap-chongqing</Region>
                    </SpriteOutputFile>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/snapshot-${Number}.jpg</Object>
                <Region>ap-chongqing</Region>
                <SpriteObject>output/sprite-${Number}.jpg</SpriteObject>
            </Output>
            <TemplateId>t1f16e1dfbdc9ds4105b31632d45710642a</TemplateId>
            <TemplateName>template_snapshot</TemplateName>
            <UserData>This is my Snapshot job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:25:12+0800</StartTime>
        <State>Success</State>
        <Tag>Snapshot</Tag>
        <Workflow>
            <Name>Snapshot_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T19:25:11+0800",
        "EndTime": "2022-06-30T19:25:14+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```

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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j4e431ba0f86711ecb8546d80f2baf56f",
        "Operation": {
            "MediaInfo": {
                "Stream": {

                }
            },
            "MediaResult": {
                "OutputFile": {
                    "Bucket": "test-123456789",
                    "ObjectName": [
                        "0.jpg",
                        "1.jpg",
                        "2.jpg",
                        "3.jpg",
                        "4.jpg",
                        "5.jpg"
                    ],
                    "ObjectPrefix": "output/snapshot-",
                    "Region": "ap-chongqing",
                    "SpriteOutputFile": {
                        "Bucket": "test-123456789",
                        "ObjectName": "0.jpg",
                        "ObjectPrefix": "output/sprite-",
                        "Region": "ap-chongqing"
                    }
                }
            },
            "Output": {
                "Bucket": "test-123456789",
```


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```
                "Object": "output/snapshot-${Number}.jpg",
                "Region": "ap-chongqing",
                "SpriteObject": "output/sprite-${Number}.jpg"
            },
            "TemplateId": "t1f16e1dfbdc9ds4105b31632d45710642a",
            "TemplateName": "template_snapshot",
            "UserData": "This is my Snapshot job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T19:25:12+0800",
        "State": "Success",
        "Tag": "Snapshot",
        "Workflow": {
            "Name": "Snapshot_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Stream Separation

Last updated：2024-02-27 15:42:23

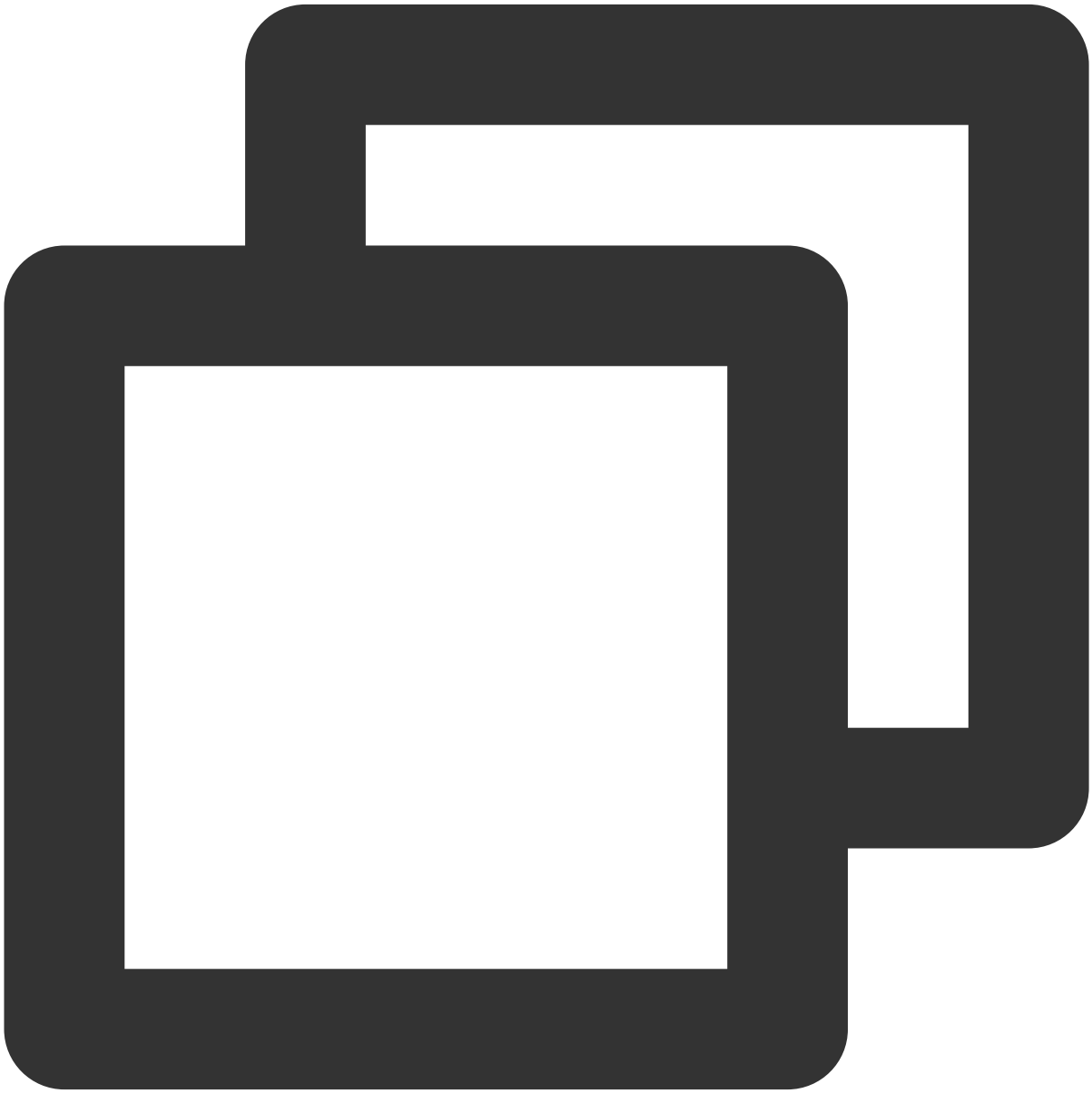
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:27:39+0800</CreationTime>
        <EndTime>2022-06-30T19:27:42+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>ja66d6204f86711ec9ca1073b78d316d3</JobId>
        <Message/>
        <Operation>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>e8c802ed78ba7f4c6a2fb5144cba7cbc</Md5>
                        <ObjectName>output/out0.mp4</ObjectName>
                    </Md5Info>
                    <Md5Info>
                        <Md5>f5883c1380524eecd1a925657ab17b4c</Md5>
                        <ObjectName>output/out1.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/out0.mp4</ObjectName>
                    <ObjectName>output/out1.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Region>ap-chongqing</Region>
                <StreamExtract>
                    <Index>0</Index>
                    <Output>output/out0.mp4</Output>
                </StreamExtract>
                <StreamExtract>
                    <Index>1</Index>
                    <Output>output/out1.mp4</Output>
                </StreamExtract>
                <StreamExtract>
                    <Index>2</Index>
                    <Output>output/out2.mp4</Output>
                </StreamExtract>
            </Output>
            <UserData>This is my StreamExtract job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:27:40+0800</StartTime>
        <State>Success</State>
        <Tag>StreamExtract</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the stream separation job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

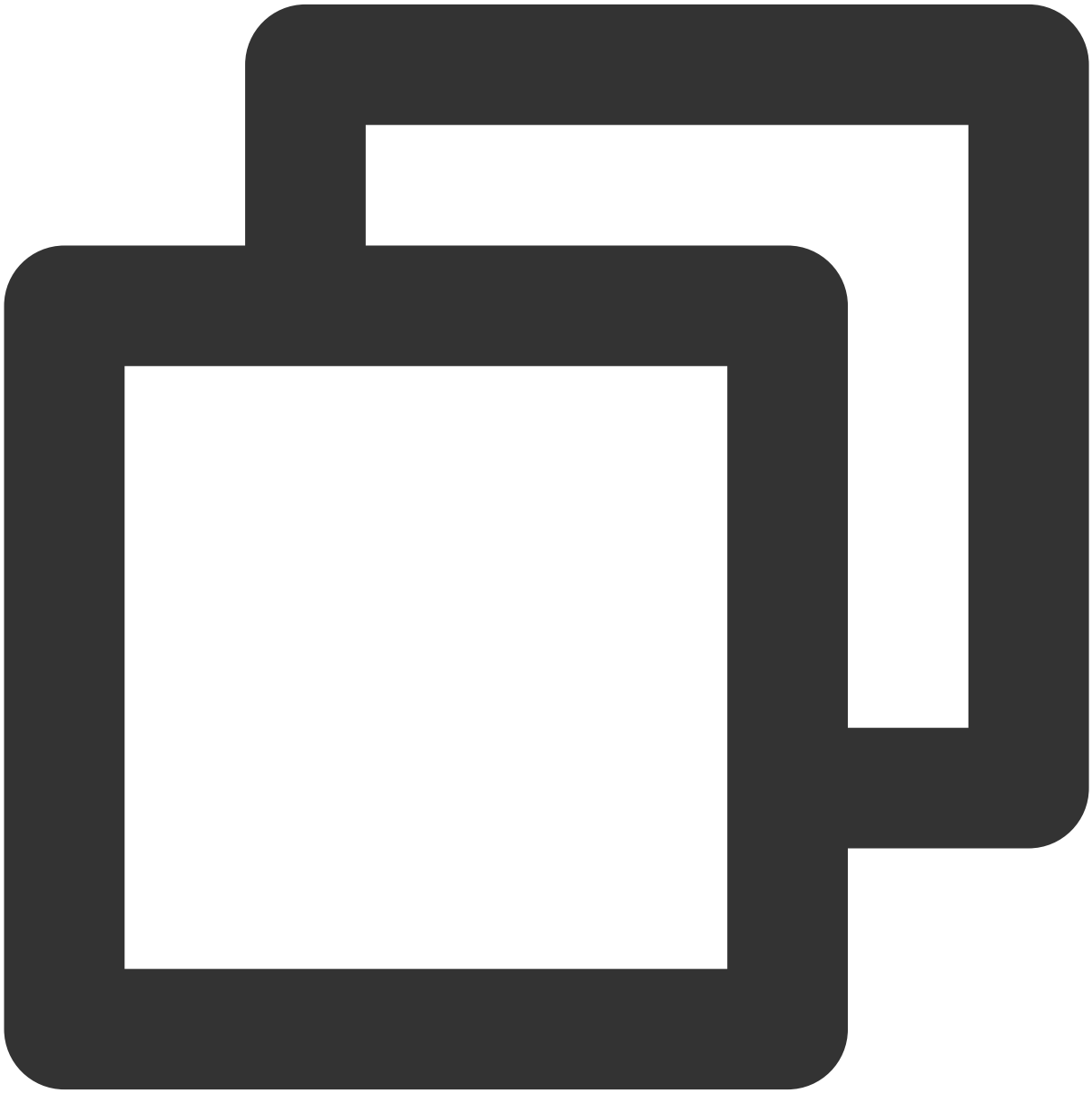
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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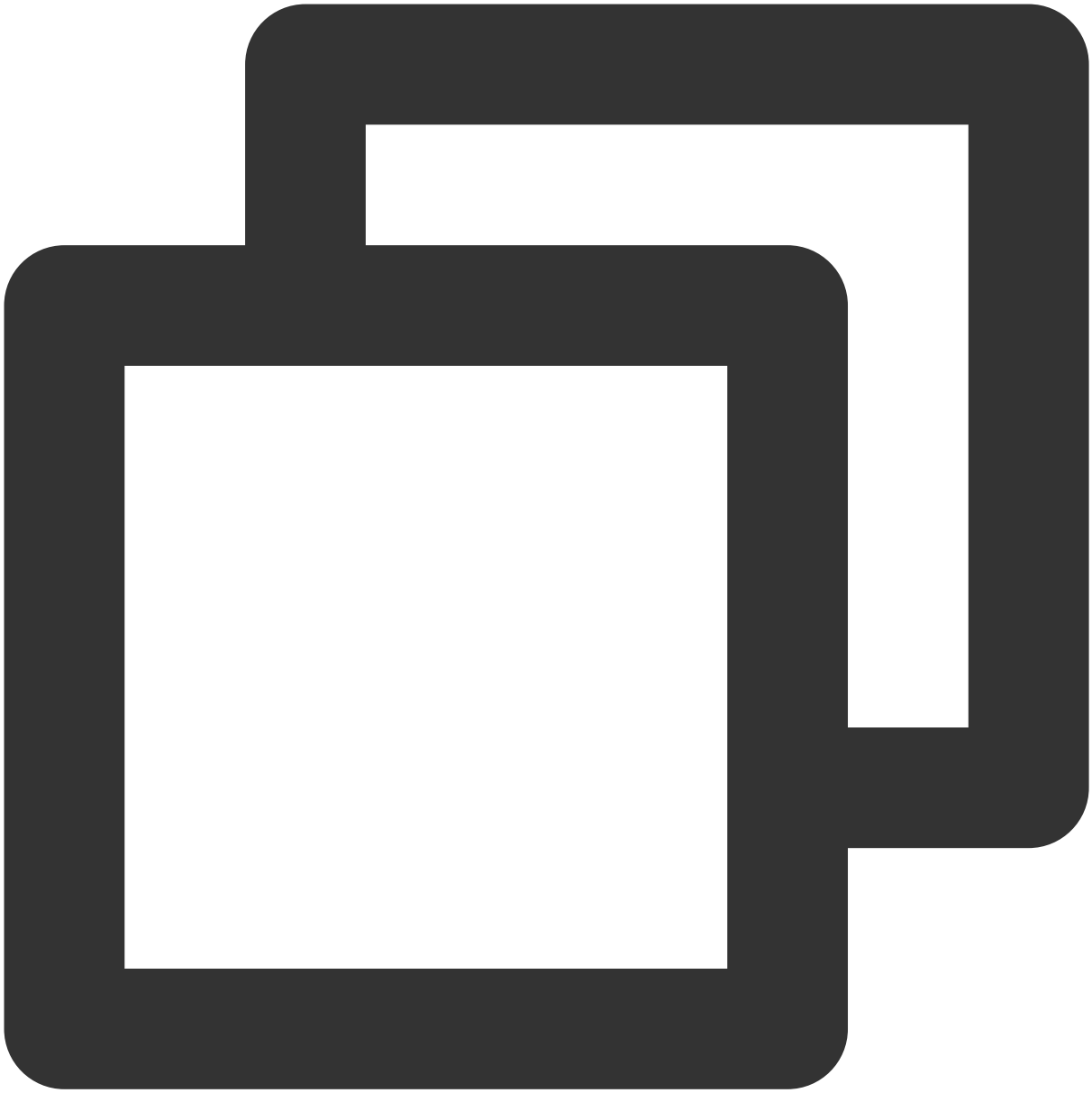
```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:27:39+0800</CreationTime>
        <EndTime>2022-06-30T19:27:42+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>ja66d6204f86711ec9ca1073b78d316d3</JobId>
        <Message/>
        <Operation>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>e8c802ed78ba7f4c6a2fb5144cba7cbc</Md5>
                        <ObjectName>output/out0.mp4</ObjectName>
                    </Md5Info>
                    <Md5Info>
                        <Md5>f5883c1380524eecd1a925657ab17b4c</Md5>
                        <ObjectName>output/out1.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/out0.mp4</ObjectName>
                    <ObjectName>output/out1.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Region>ap-chongqing</Region>
                <StreamExtract>
                    <Index>0</Index>
                    <Output>output/out0.mp4</Output>
                </StreamExtract>
                <StreamExtract>
                    <Index>1</Index>
                    <Output>output/out1.mp4</Output>
                </StreamExtract>
                <StreamExtract>
                    <Index>2</Index>
                    <Output>output/out2.mp4</Output>
                </StreamExtract>
            </Output>
            <UserData>This is my StreamExtract job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:27:40+0800</StartTime>
        <State>Success</State>
        <Tag>StreamExtract</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback in JSON format triggered by a job API

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T19:27:39+0800",
        "EndTime": "2022-06-30T19:27:42+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing"
        },
```


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```
        "JobId": "ja66d6204f86711ec9ca1073b78d316d3",
        "Operation": {
            "MediaResult": {
                "OutputFile": {
                    "Bucket": "test-123456789",
                    "Md5Info": [{
                            "Md5": "e8c802ed78ba7f4c6a2fb5144cba7cbc",
                            "ObjectName": "output/out0.mp4"
                        },
                        {
                            "Md5": "f5883c1380524eecd1a925657ab17b4c",
                            "ObjectName": "output/out1.mp4"
                        }
                    ],
                    "ObjectName": [
                        "output/out0.mp4",
                        "output/out1.mp4"
                    ],
                    "Region": "ap-chongqing"
                }
            },
            "Output": {
                "Bucket": "test-123456789",
                "Region": "ap-chongqing",
                "StreamExtract": [{
                        "Index": "0",
                        "Output": "output/out0.mp4"
                    },
                    {
                        "Index": "1",
                        "Output": "output/out1.mp4"
                    },
                    {
                        "Index": "2",
                        "Output": "output/out2.mp4"
                    }
                ]
            },
            "UserData": "This is my StreamExtract job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T19:27:40+0800",
        "State": "Success",
        "Tag": "StreamExtract"
    }]
}
```


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Super Resolution

Last updated：2024-02-27 15:42:23

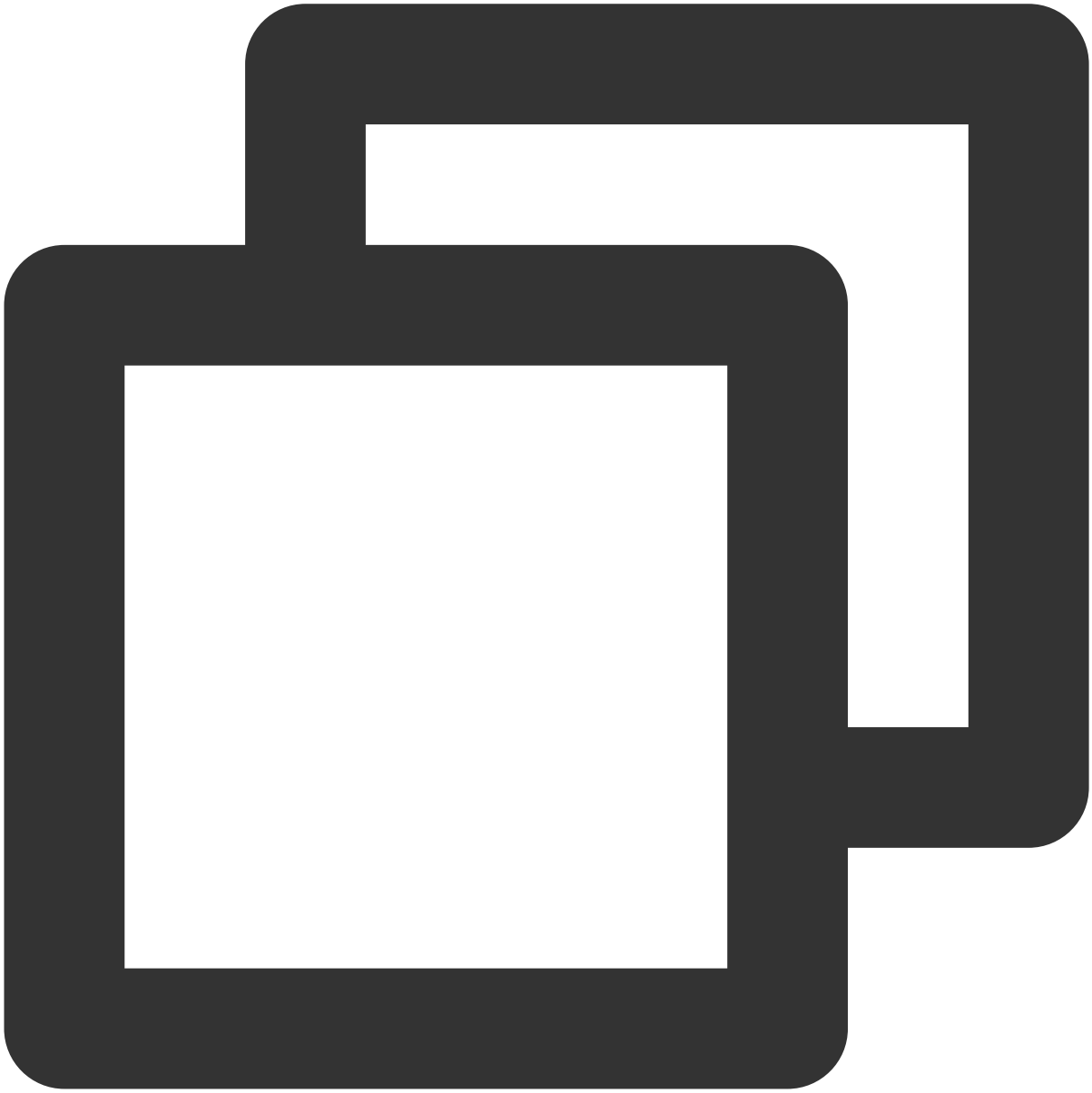
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:30:20+0800</CreationTime>
        <EndTime>2022-06-30T19:31:56+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j06668dc0f86811ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <DigitalWatermark>
                <IgnoreError>false</IgnoreError>
                <Message>123456789ab</Message>
                <State>Failed</State>
                <Type>Text</Type>
                <Version>V1</Version>
            </DigitalWatermark>
            <MediaInfo>
                <Format>
                    <Bitrate>8867.172000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>15134046</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.652993</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>25.000000</AvgFps>
                        <Bitrate>9197.180000</Bitrate>
                        <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                        <CodecName>hevc</CodecName>
                        <CodecTag>0x31766568</CodecTag>
                        <CodecTagString>hev1</CodecTagString>
```

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```
                    <CodecTimeBase>1/12800</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>12.960000</Duration>
                    <FieldOrder>progressive</FieldOrder>
                    <Fps>25.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>1920</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>120</Level>
                    <NumFrames>324</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>Main</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>1088</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>852883012a6ba726e6ed8d9b984edfdf</Md5>
                    <ObjectName>output/super_resolution.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/super_resolution.mp4</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
            <Object>output/super_resolution.mp4</Object>
            <Region>ap-chongqing</Region>
        </Output>
        <TemplateId>t1f1ae1dfsdc9ds41dsb31632d45710642a</TemplateId>
        <TemplateName>template_superresolution</TemplateName>
        <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
        <UserData>This is my SuperResolution job.</UserData>
        <WatermarkTemplateId>t143ae6e040af6431aa772c9ec3f0a3f36</WatermarkTempl
        <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTempl
    </Operation>
```

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```
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:30:21+0800</StartTime>
        <State>Success</State>
        <SubTag>DigitalWatermark</SubTag>
        <Tag>SuperResolution</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the super resolution job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

`Workflow` has the following sub-nodes:

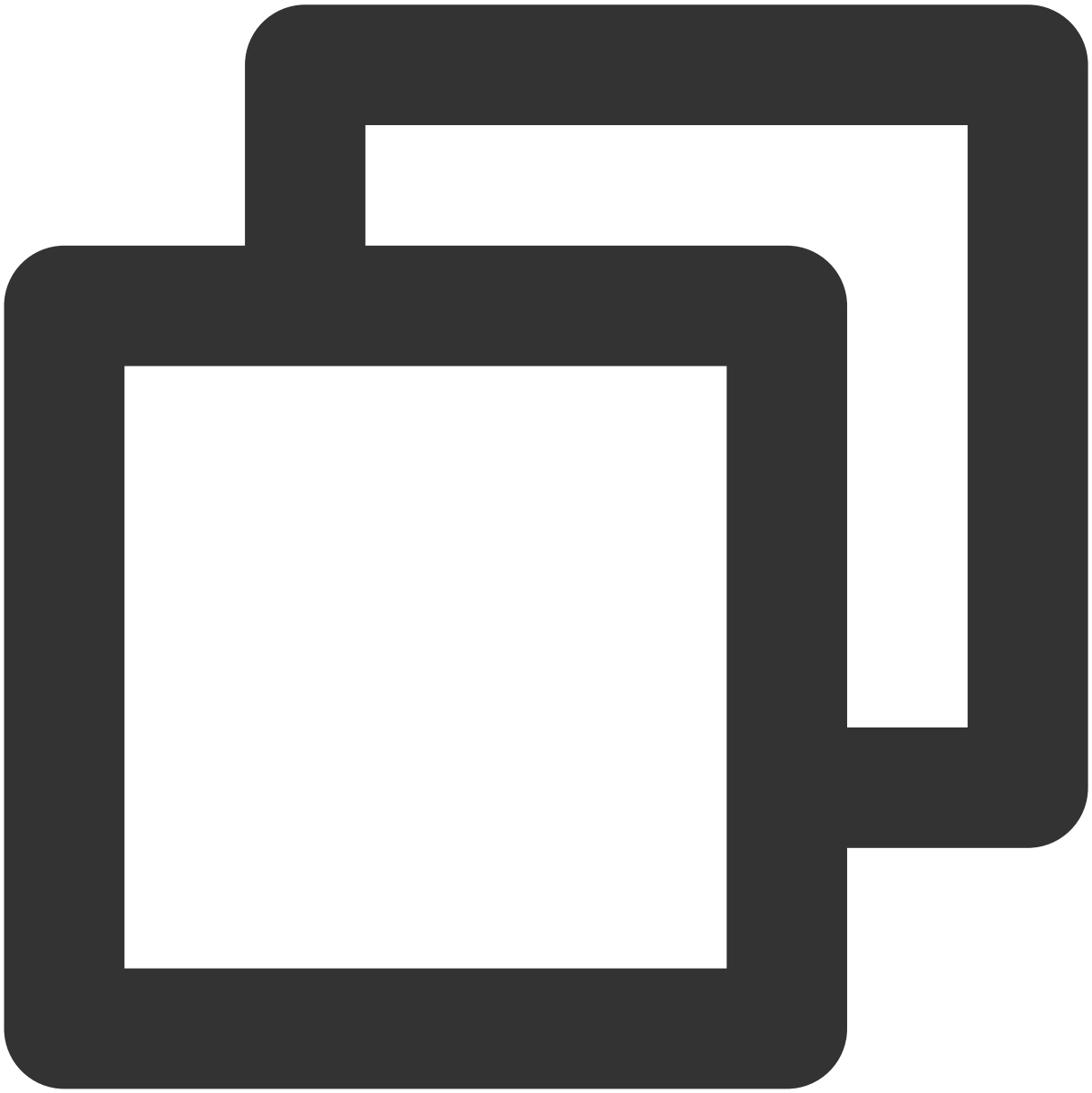
Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String

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WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API



```
<Response>
```

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```
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:30:20+0800</CreationTime>
        <EndTime>2022-06-30T19:31:56+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <JobId>j06668dc0f86811ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <DigitalWatermark>
                <IgnoreError>false</IgnoreError>
                <Message>123456789ab</Message>
                <State>Failed</State>
                <Type>Text</Type>
                <Version>V1</Version>
            </DigitalWatermark>
            <MediaInfo>
                <Format>
                    <Bitrate>8867.172000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>15134046</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.652993</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
```

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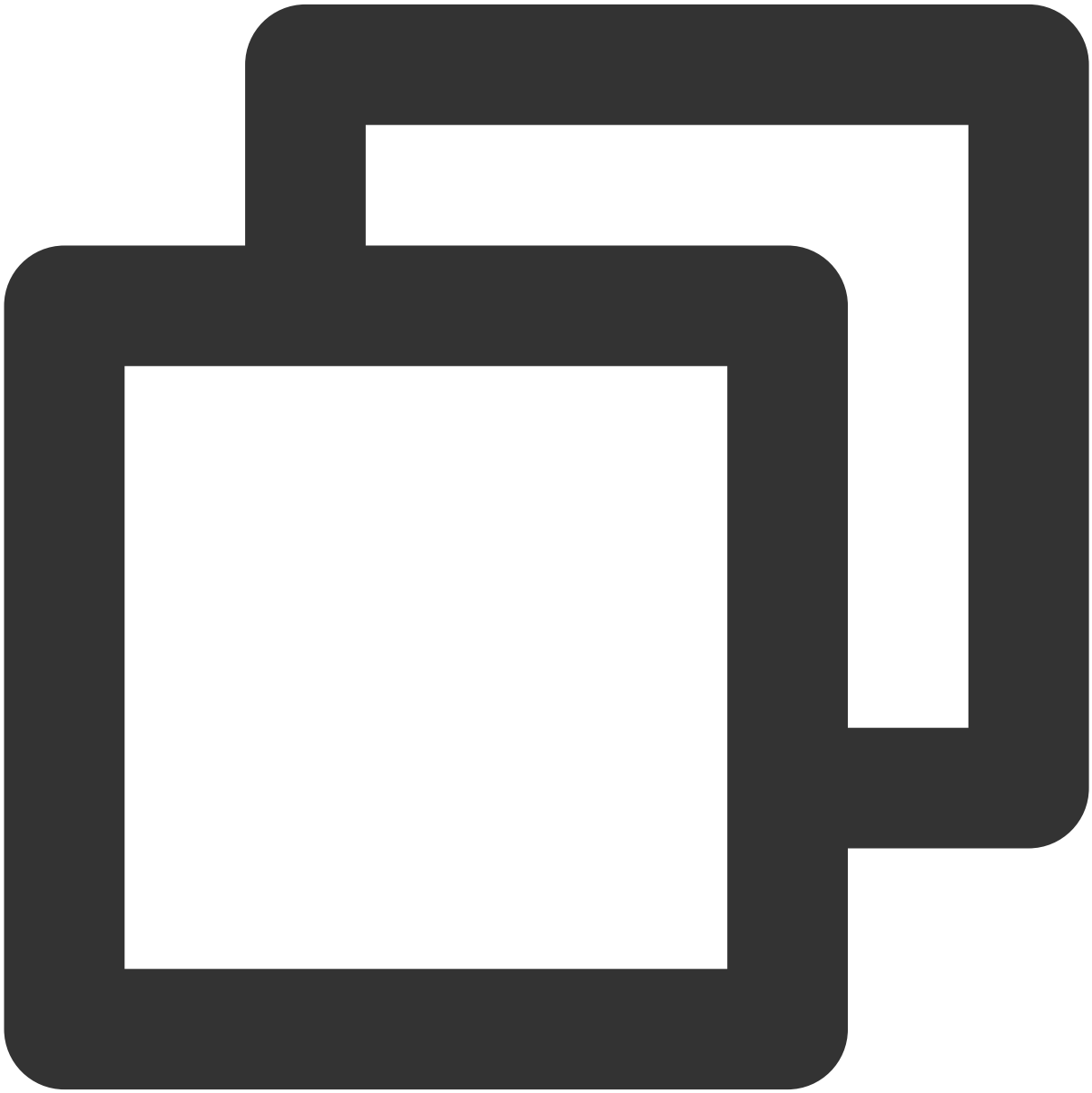
```
                    <Timebase>1/44100</Timebase>
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>25.000000</AvgFps>
                    <Bitrate>9197.180000</Bitrate>
                    <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                    <CodecName>hevc</CodecName>
                    <CodecTag>0x31766568</CodecTag>
                    <CodecTagString>hev1</CodecTagString>
                    <CodecTimeBase>1/12800</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>12.960000</Duration>
                    <FieldOrder>progressive</FieldOrder>
                    <Fps>25.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>1920</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>120</Level>
                    <NumFrames>324</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>Main</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>1088</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>852883012a6ba726e6ed8d9b984edfdf</Md5>
                    <ObjectName>output/super_resolution.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/super_resolution.mp4</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
```

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```
                <Object>output/super_resolution.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1f1ae1dfsdc9ds41dsb31632d45710642a</TemplateId>
            <TemplateName>template_superresolution</TemplateName>
            <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
            <UserData>This is my SuperResolution job.</UserData>
            <WatermarkTemplateId>t143ae6e040af6431aa772c9ec3f0a3f36</WatermarkTempl
            <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTempl
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:30:21+0800</StartTime>
        <State>Success</State>
        <SubTag>DigitalWatermark</SubTag>
        <Tag>SuperResolution</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:30:20+0800</CreationTime>
        <EndTime>2022-06-30T19:31:56+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j06668dc0f86811ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <DigitalWatermark>
                <IgnoreError>false</IgnoreError>
                <Message>123456789ab</Message>
                <State>Failed</State>
                <Type>Text</Type>
                <Version>V1</Version>
            </DigitalWatermark>
            <MediaInfo>
                <Format>
                    <Bitrate>8867.172000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>15134046</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
```

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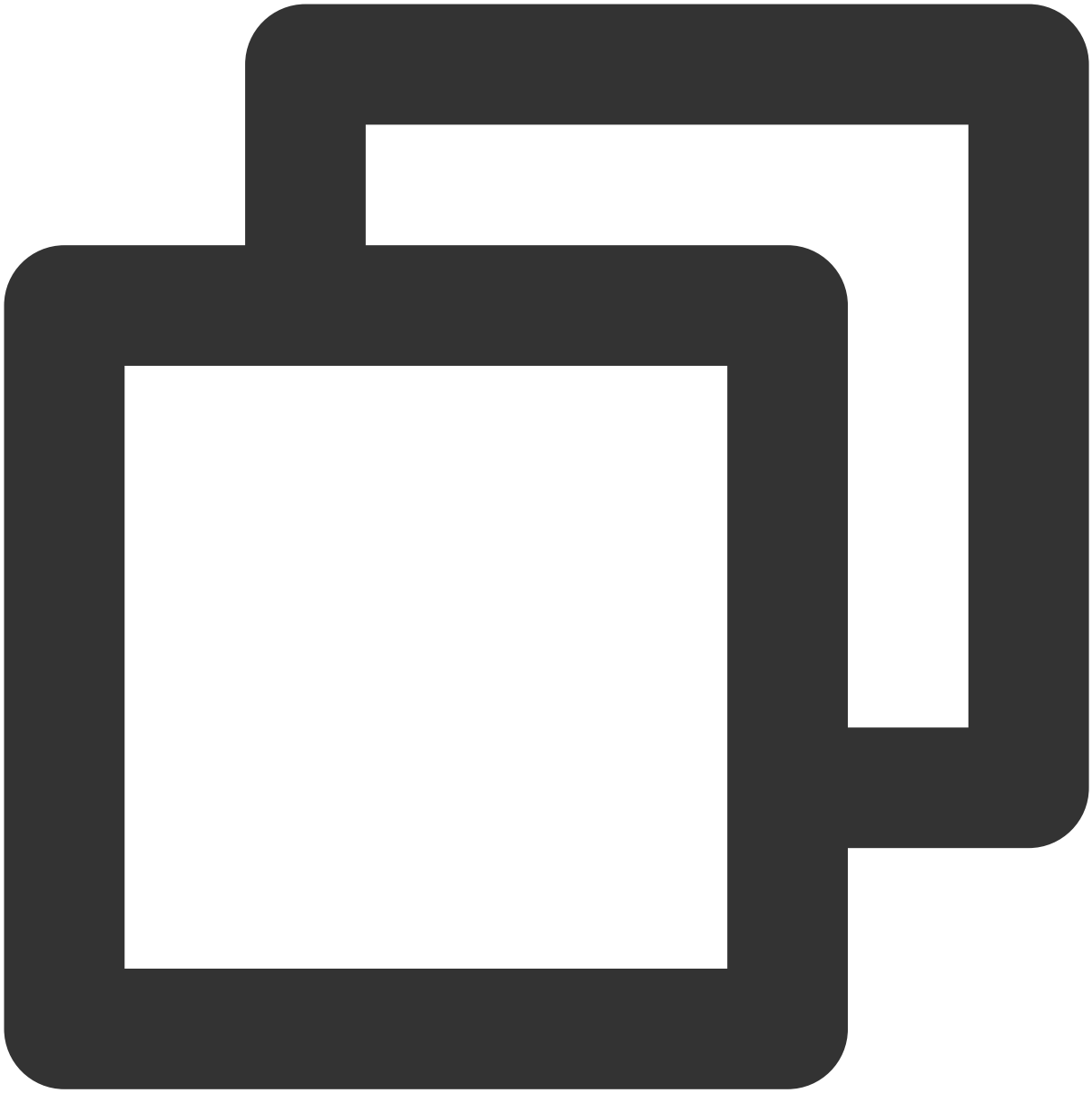
```
                    <Duration>13.652993</Duration>
                    <Index>1</Index>
                    <Language>und</Language>
                    <SampleFmt>fltp</SampleFmt>
                    <SampleRate>44100</SampleRate>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/44100</Timebase>
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>25.000000</AvgFps>
                    <Bitrate>9197.180000</Bitrate>
                    <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                    <CodecName>hevc</CodecName>
                    <CodecTag>0x31766568</CodecTag>
                    <CodecTagString>hev1</CodecTagString>
                    <CodecTimeBase>1/12800</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>12.960000</Duration>
                    <FieldOrder>progressive</FieldOrder>
                    <Fps>25.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>1920</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>120</Level>
                    <NumFrames>324</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>Main</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>1088</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>852883012a6ba726e6ed8d9b984edfdf</Md5>
                    <ObjectName>output/super_resolution.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/super_resolution.mp4</ObjectName>
```


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```
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/super_resolution.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1f1ae1dfsdc9ds41dsb31632d45710642a</TemplateId>
            <TemplateName>template_superresolution</TemplateName>
            <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
            <UserData>This is my SuperResolution job.</UserData>
            <WatermarkTemplateId>t143ae6e040af6431aa772c9ec3f0a3f36</WatermarkTempl
            <WatermarkTemplateId>t12a74d11687d444deba8a6cc52051ac27</WatermarkTempl
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:30:21+0800</StartTime>
        <State>Success</State>
        <SubTag>DigitalWatermark</SubTag>
        <Tag>SuperResolution</Tag>
        <Workflow>
            <Name>SuperResolution_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T19:30:20+0800",
        "EndTime": "2022-06-30T19:31:56+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```


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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j06668dc0f86811ecb90d0b03267ce0e5",
        "Operation": {
            "DigitalWatermark": {
                "IgnoreError": "false",
                "Message": "123456789ab",
                "State": "Failed",
                "Type": "Text",
                "Version": "V1"
            },
            "MediaInfo": {
                "Format": {
                    "Bitrate": "8867.172000",
                    "Duration": "13.654000",
                    "FormatLongName": "QuickTime / MOV",
                    "FormatName": "mov,mp4,m4a,3gp,3g2,mj2",
                    "NumProgram": "0",
                    "NumStream": "2",
                    "Size": "15134046",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "128.726000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/44100",
```


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```
                    "Duration": "13.652993",
                    "Index": "1",
                    "Language": "und",
                    "SampleFmt": "fltp",
                    "SampleRate": "44100",
                    "StartTime": "0.000000",
                    "Timebase": "1/44100"
                },
                "Video": {
                    "AvgFps": "25.000000",
                    "Bitrate": "9197.180000",
                    "CodecLongName": "H.265 / HEVC (High Efficiency Video Codin
                    "CodecName": "hevc",
                    "CodecTag": "0x31766568",
                    "CodecTagString": "hev1",
                    "CodecTimeBase": "1/12800",
                    "ColorPrimaries": "bt470bg",
                    "ColorRange": "tv",
                    "ColorTransfer": "smpte170m",
                    "Duration": "12.960000",
                    "FieldOrder": "progressive",
                    "Fps": "25.000000",
                    "HasBFrame": "2",
                    "Height": "1920",
                    "Index": "0",
                    "Language": "und",
                    "Level": "120",
                    "NumFrames": "324",
                    "PixFormat": "yuv420p",
                    "Profile": "Main",
                    "RefFrames": "1",
                    "Rotation": "0.000000",
                    "StartTime": "0.000000",
                    "Timebase": "1/12800",
                    "Width": "1088"
                }
            }
        },
        "MediaResult": {
            "OutputFile": {
                "Bucket": "test-123456789",
                "Md5Info": {
                    "Md5": "852883012a6ba726e6ed8d9b984edfdf",
                    "ObjectName": "output/super_resolution.mp4"
                },
                "ObjectName": "output/super_resolution.mp4",
                "Region": "ap-chongqing"
```


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```
                }
            },
            "Output": {
                "Bucket": "test-123456789",
                "Object": "output/super_resolution.mp4",
                "Region": "ap-chongqing"
            },
            "TemplateId": "t1f1ae1dfsdc9ds41dsb31632d45710642a",
            "TemplateName": "template_superresolution",
            "TranscodeTemplateId": "t156c107210e7243c5817354565d81b578",
            "UserData": "This is my SuperResolution job.",
            "WatermarkTemplateId": [
                "t143ae6e040af6431aa772c9ec3f0a3f36",
                "t12a74d11687d444deba8a6cc52051ac27"
            ]
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T19:30:21+0800",
        "State": "Success",
        "SubTag": "DigitalWatermark",
        "Tag": "SuperResolution",
        "Workflow": {
            "Name": "SuperResolution_1581665960537_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Audio/Video Transcoding

Last updated：2024-02-27 15:42:23

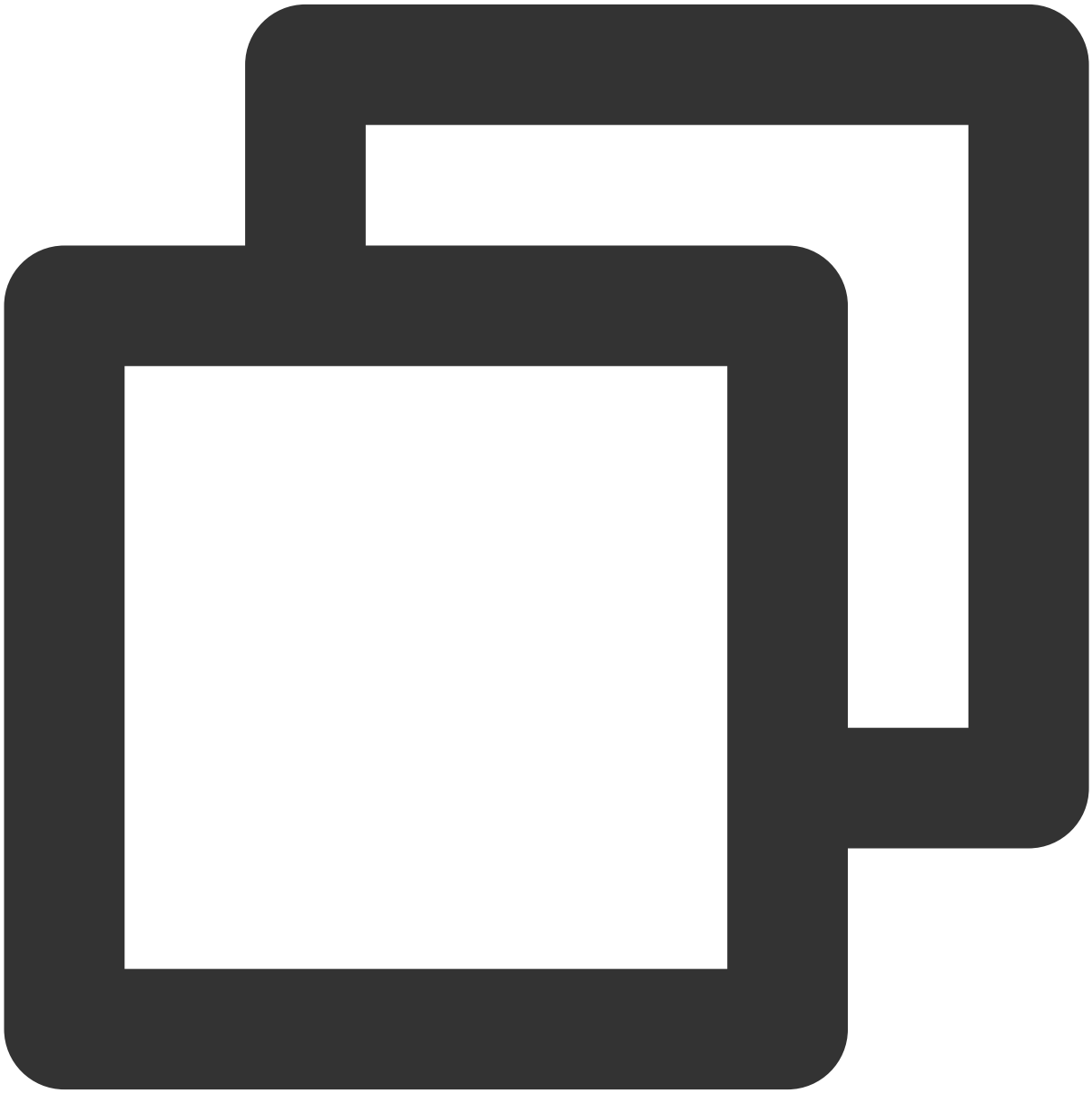
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:30:08+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j68427030f84611ecb8546d80f2baf56f</JobId>
        <Message>success</Message>
        <Operation>
            <MediaInfo>
                <Format>
                    <Duration>13</Duration>
                    <NumStream>1</NumStream>
                    <Size>1909389</Size>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.653</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>50.000</AvgFps>
                        <Bitrate>1031968</Bitrate>
                        <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                        <CodecName>hevc</CodecName>
                        <CodecTag>0x31637668</CodecTag>
                        <CodecTagString>hvc1</CodecTagString>
                        <CodecTimeBase>1/50</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960</Duration>
                        <FieldOrder>Unknown</FieldOrder>
                        <Fps>50/1</Fps>
                        <HasBFrame>4</HasBFrame>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>4</Level>
```

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```
                        <NumFrames>648</NumFrames>
                        <PixFormat>hvc1</PixFormat>
                        <Profile>Main</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>540</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>2db78d168edf2f883adce89a1b4ca033</Md5>
                        <ObjectName>output/transcode.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/transcode.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/transcode.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
            <TemplateName>trans_993874</TemplateName>
            <UserData>This is my Transcode job.</UserData>
        </Operation>
        <Progress>100</Progress>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:42+0800</StartTime>
        <State>Success</State>
        <Tag>Transcode</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the transcoding job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

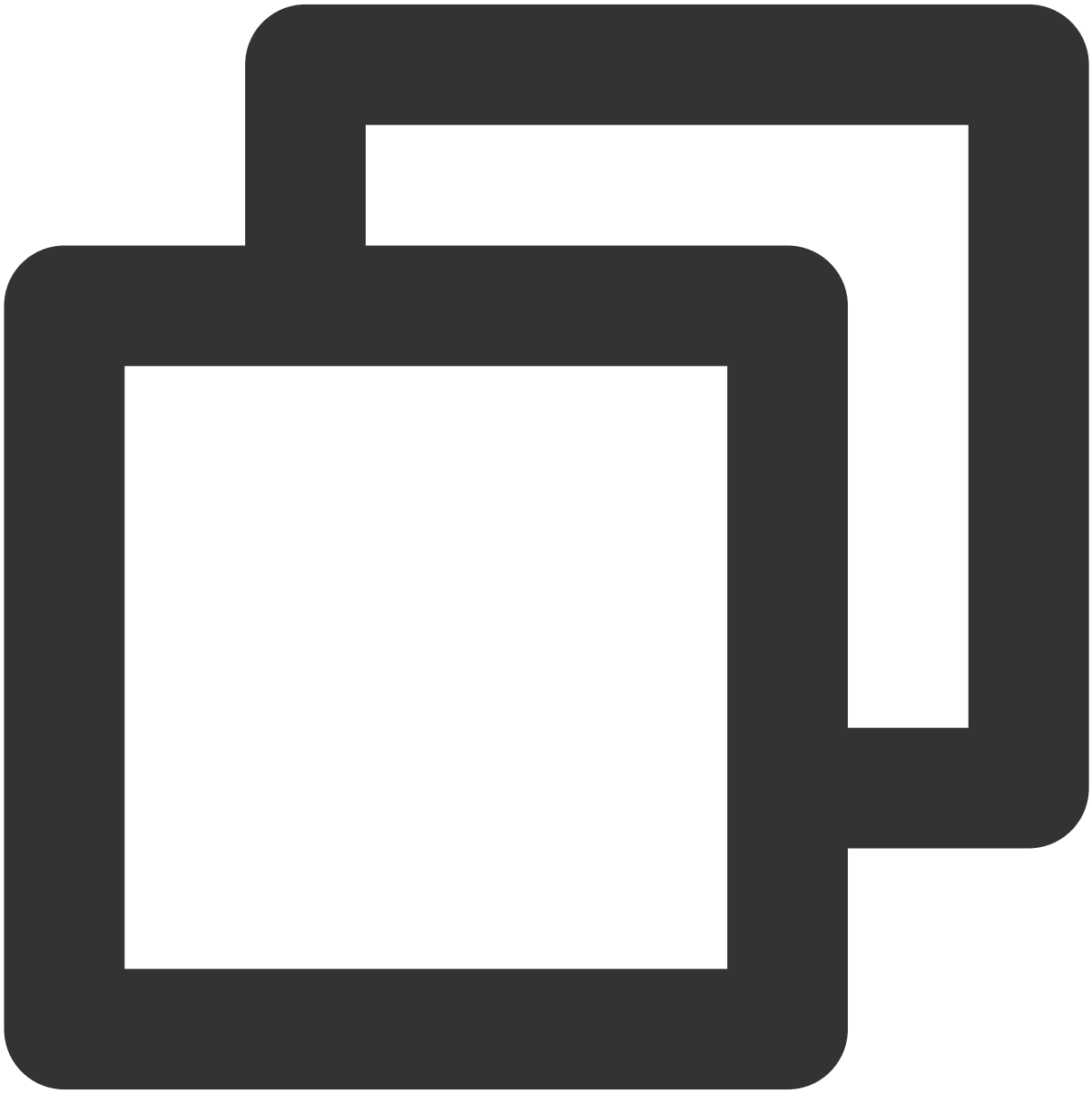
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:29:48+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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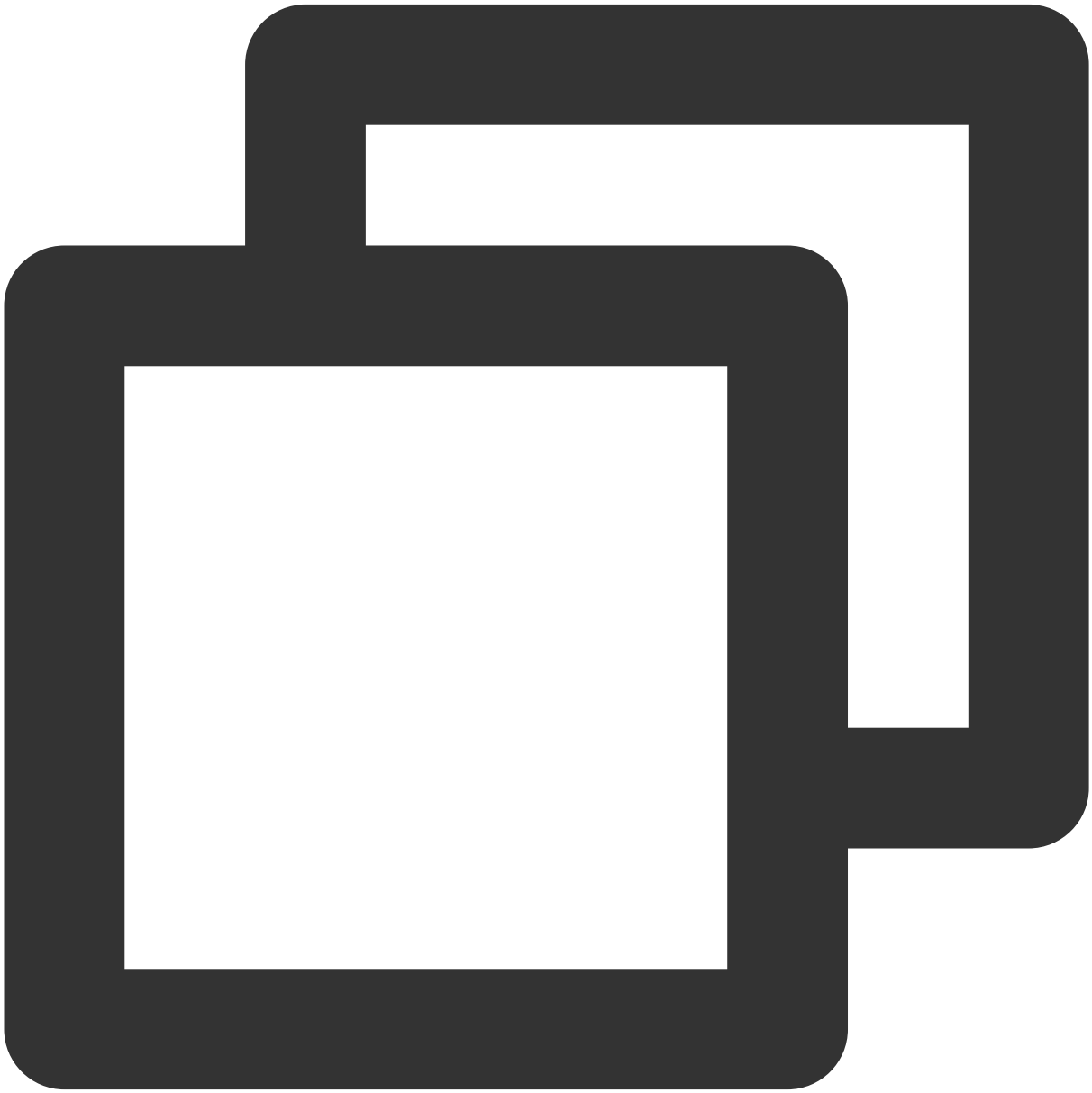
```
        <JobId>j682b9662f84611ecb8546d80f2baf56f</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>97624.424000</Bitrate>
                    <Duration>0.870000</Duration>
                    <FormatLongName>CompuServe Graphics Interchange Format (GIF)</F
                    <FormatName>gif</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>1</NumStream>
                    <Size>10616656</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio/>
                    <Subtitle/>
                    <Video>
                        <AvgFps>14.666667</AvgFps>
                        <CodecLongName>CompuServe GIF (Graphics Interchange Format)
                        <CodecName>gif</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/100</CodecTimeBase>
                        <ColorPrimaries>unknown</ColorPrimaries>
                        <ColorRange>unknown</ColorRange>
                        <ColorTransfer>unknown</ColorTransfer>
                        <Duration>0.870000</Duration>
                        <Fps>15.083333</Fps>
                        <HasBFrame>0</HasBFrame>
                        <Height>2258</Height>
                        <Index>0</Index>
                        <Level>-99</Level>
                        <NumFrames>7</NumFrames>
                        <PixFormat>bgra</PixFormat>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/100</Timebase>
                        <Width>1280</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
```

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```
                        <Md5>3df1f845d2ffd20a525a93ec40014d90</Md5>
                        <ObjectName>output/animation.gif</ObjectName>
                    </Md5Info>
                    <ObjectName>output/animation.gif</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/animation.gif</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
            <TemplateName>template_name1512456</TemplateName>
            <UserData>This is my Animation job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:43+0800</StartTime>
        <State>Success</State>
        <Tag>Animation</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:30:08+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j68427030f84611ecb8546d80f2baf56f</JobId>
        <Message>success</Message>
        <Operation>
            <MediaInfo>
                <Format>
                    <Duration>13</Duration>
                    <NumStream>1</NumStream>
                    <Size>1909389</Size>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.653</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>50.000</AvgFps>
                        <Bitrate>1031968</Bitrate>
```

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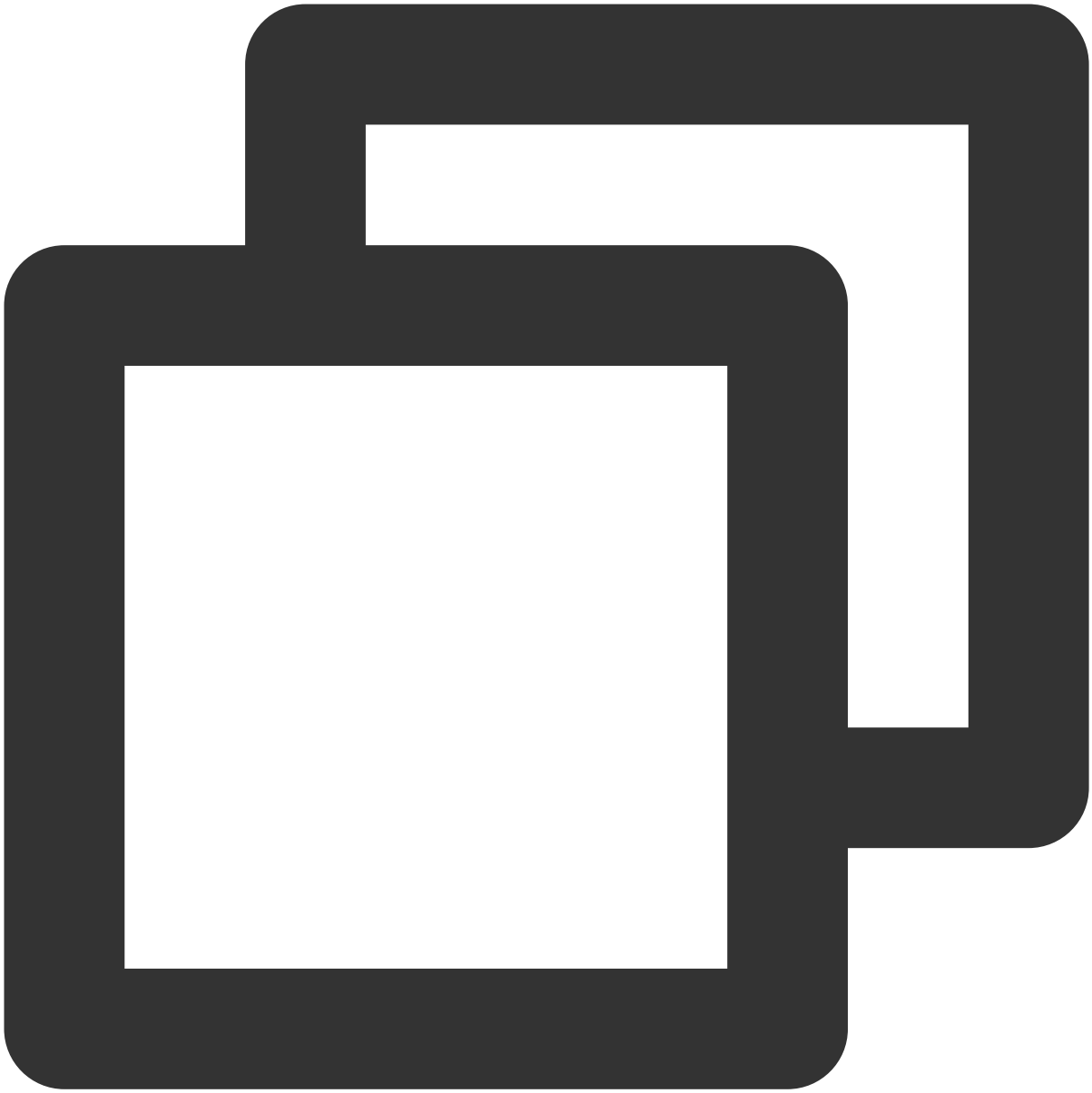
```
                    <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                    <CodecName>hevc</CodecName>
                    <CodecTag>0x31637668</CodecTag>
                    <CodecTagString>hvc1</CodecTagString>
                    <CodecTimeBase>1/50</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>12.960</Duration>
                    <FieldOrder>Unknown</FieldOrder>
                    <Fps>50/1</Fps>
                    <HasBFrame>4</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>4</Level>
                    <NumFrames>648</NumFrames>
                    <PixFormat>hvc1</PixFormat>
                    <Profile>Main</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>540</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>2db78d168edf2f883adce89a1b4ca033</Md5>
                    <ObjectName>output/transcode.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/transcode.mp4</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
            <Object>output/transcode.mp4</Object>
            <Region>ap-chongqing</Region>
        </Output>
        <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
        <TemplateName>trans_993874</TemplateName>
        <UserData>This is my Transcode job.</UserData>
```

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```
        </Operation>
        <Progress>100</Progress>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:42+0800</StartTime>
        <State>Success</State>
        <Tag>Transcode</Tag>
        <Workflow>
            <Name>Transcode_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T15:29:42+0800",
        "EndTime": "2022-06-30T15:30:08+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```


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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j68427030f84611ecb8546d80f2baf56f",
        "Message": "success",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Duration": "13",
                    "NumStream": "1",
                    "Size": "1909389"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "128000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/44100",
                        "Duration": "13.653",
                        "Index": "1",
                        "Language": "und",
                        "SampleFmt": "fltp",
                        "SampleRate": "44100",
                        "StartTime": "0.000000",
                        "Timebase": "1/44100"
                    },
                    "Video": {
                        "AvgFps": "50.000",
                        "Bitrate": "1031968",
```


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```
                    "CodecLongName": "H.265 / HEVC (High Efficiency Video Codin
                    "CodecName": "hevc",
                    "CodecTag": "0x31637668",
                    "CodecTagString": "hvc1",
                    "CodecTimeBase": "1/50",
                    "ColorPrimaries": "bt470bg",
                    "ColorRange": "tv",
                    "ColorTransfer": "smpte170m",
                    "Duration": "12.960",
                    "FieldOrder": "Unknown",
                    "Fps": "50/1",
                    "HasBFrame": "4",
                    "Height": "960",
                    "Index": "0",
                    "Language": "und",
                    "Level": "4",
                    "NumFrames": "648",
                    "PixFormat": "hvc1",
                    "Profile": "Main",
                    "RefFrames": "1",
                    "Rotation": "0",
                    "StartTime": "0.000000",
                    "Timebase": "1/12800",
                    "Width": "540"
                }
            }
        },
        "MediaResult": {
            "OutputFile": {
                "Bucket": "test-123456789",
                "Md5Info": {
                    "Md5": "2db78d168edf2f883adce89a1b4ca033",
                    "ObjectName": "output/transcode.mp4"
                },
                "ObjectName": "output/transcode.mp4",
                "Region": "ap-chongqing"
            }
        },
        "Output": {
            "Bucket": "test-123456789",
            "Object": "output/transcode.mp4",
            "Region": "ap-chongqing"
        },
        "TemplateId": "t1995d523e42df4c5e858f244b4174360c",
        "TemplateName": "trans_993874",
        "UserData": "This is my Transcode job."
    },
```


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```
        "Progress": "100",
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T15:29:42+0800",
        "State": "Success",
        "Tag": "Transcode",
        "Workflow": {
            "Name": "Transcode_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Text to Speech

Last updated：2024-02-27 15:42:23

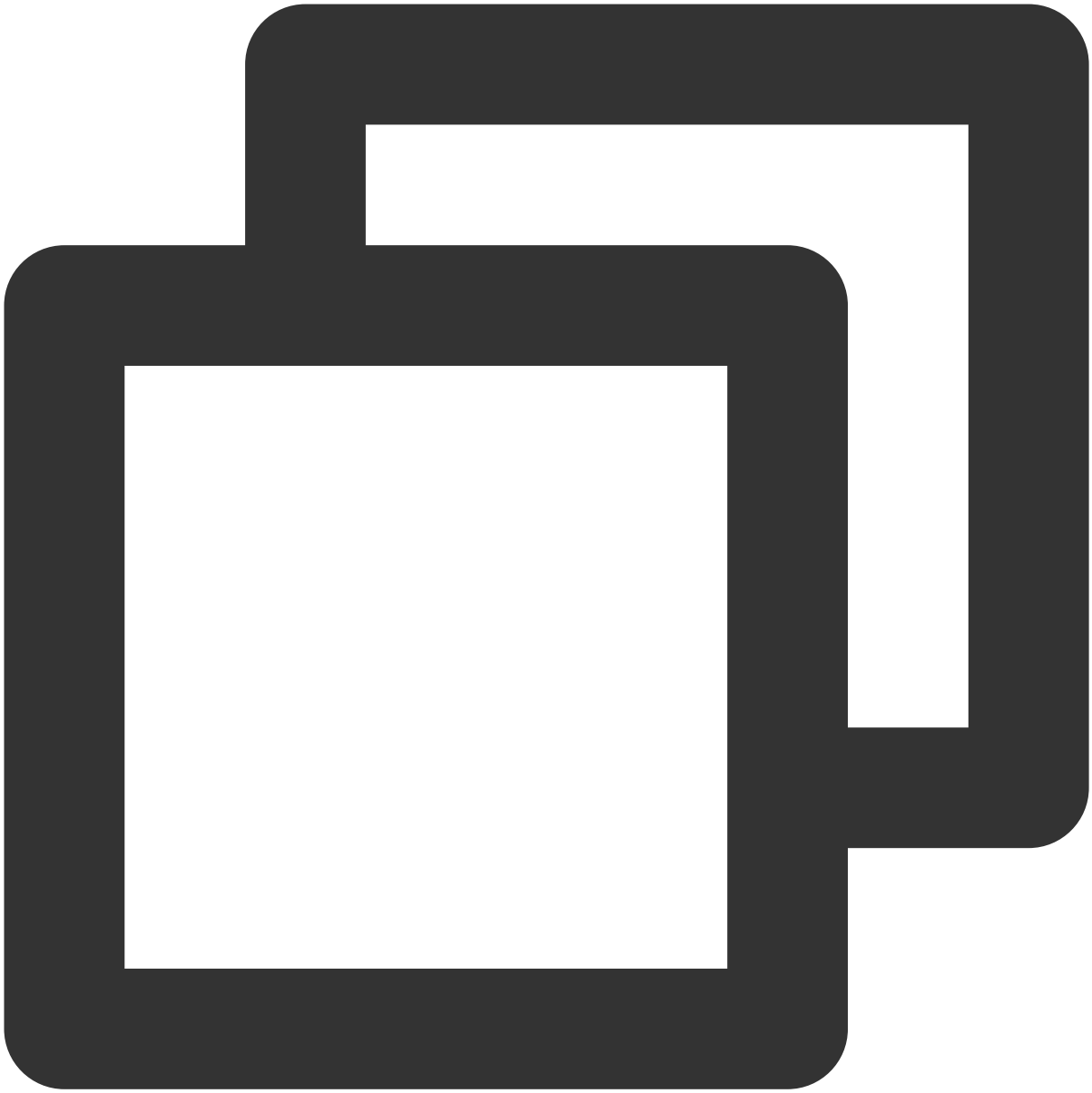
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:33:18+0800</CreationTime>
        <EndTime>2022-06-30T19:33:24+0800</EndTime>
        <JobId>j707f4864f86811ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format/>
```

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```
                <Stream>
                    <Audio>
                        <CodecName>mp3</CodecName>
                        <SampleRate>16000</SampleRate>
                    </Audio>
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>5b2ca33cd7357abb1e0ea29f57544df9</Md5>
                        <ObjectName>/output/aixiaonan.mp3</ObjectName>
                    </Md5Info>
                    <ObjectName>/output/aixiaonan.mp3</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/aixiaonan.mp3</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TtsConfig>
                <Input>Hi, I'm Aixiaonan. Nice to meet you.</Input>
                <InputType>Text</InputType>
            </TtsConfig>
            <TemplateId>t1f1ae1dfsdc9ds41dsb31632d457ds6s2a</TemplateId>
            <TemplateName>template_tts</TemplateName>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:33:19+0800</StartTime>
        <State>Success</State>
        <Tag>Tts</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the text-to-speech job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

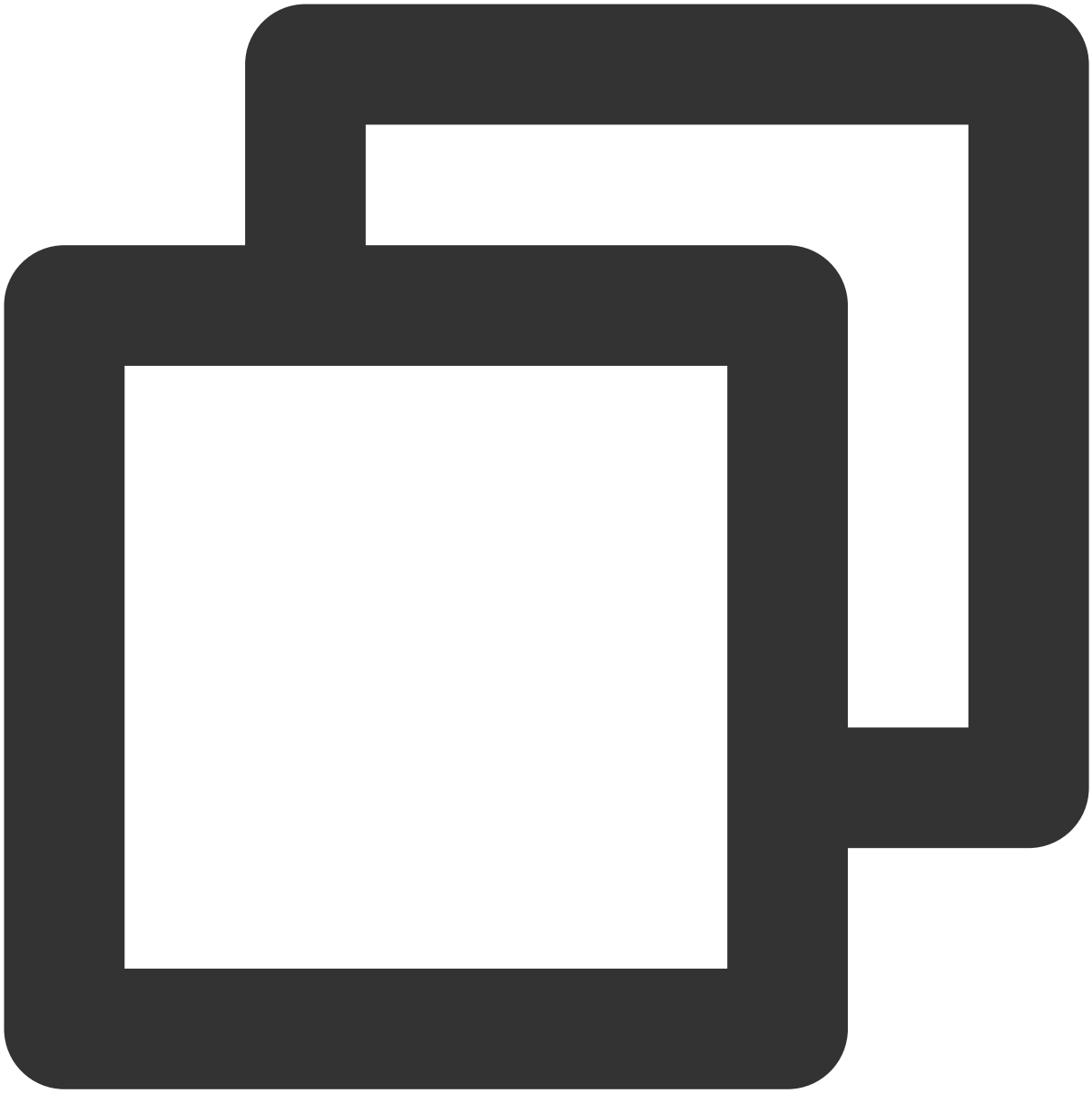
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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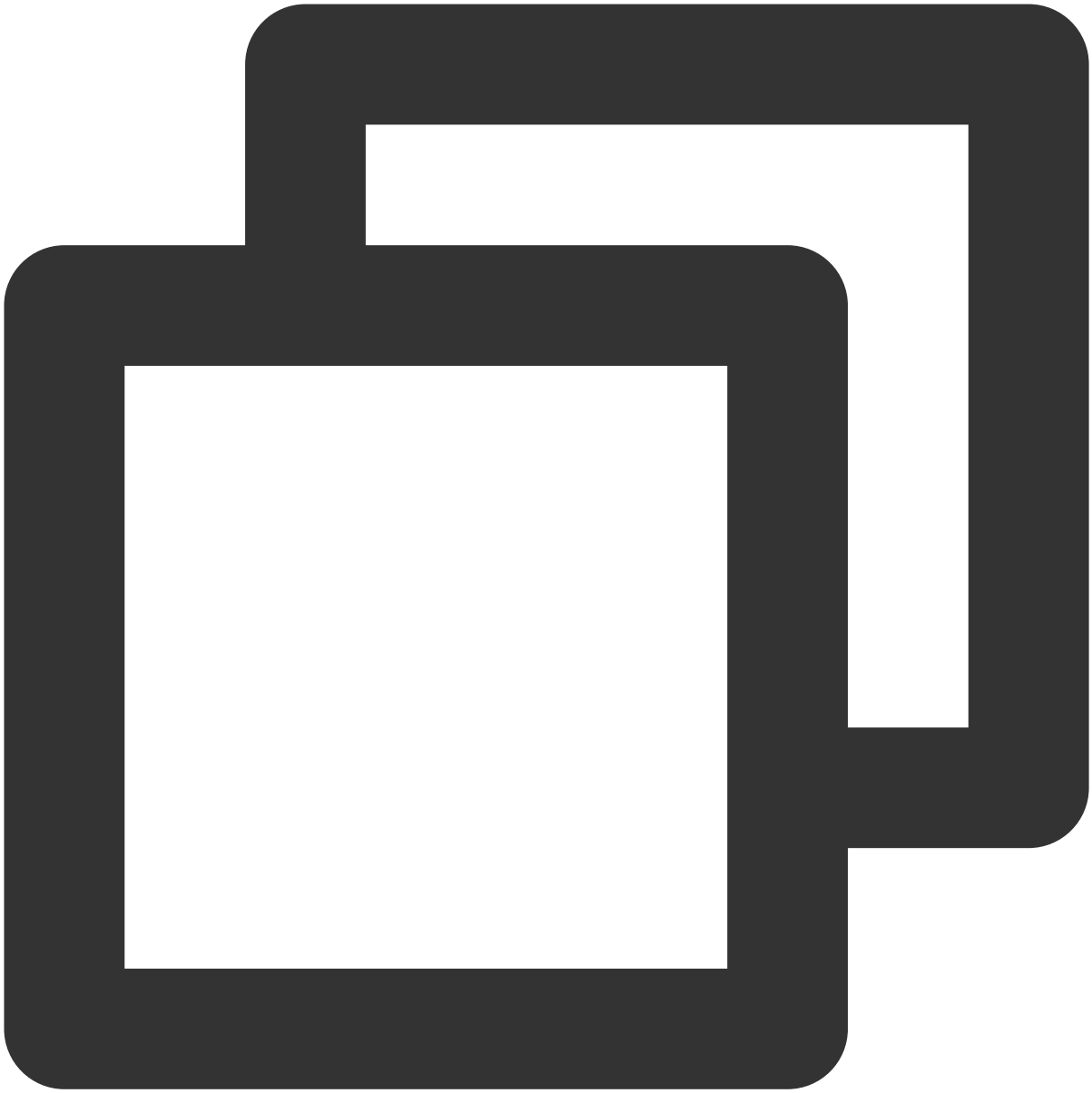
```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:33:18+0800</CreationTime>
        <EndTime>2022-06-30T19:33:24+0800</EndTime>
        <JobId>j707f4864f86811ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format/>
```

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```
                <Stream>
                    <Audio>
                        <CodecName>mp3</CodecName>
                        <SampleRate>16000</SampleRate>
                    </Audio>
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>5b2ca33cd7357abb1e0ea29f57544df9</Md5>
                        <ObjectName>/output/aixiaonan.mp3</ObjectName>
                    </Md5Info>
                    <ObjectName>/output/aixiaonan.mp3</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/aixiaonan.mp3</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TtsConfig>
                <Input>Hi, I'm Aixiaonan. Nice to meet you.</Input>
                <InputType>Text</InputType>
            </TtsConfig>
            <TemplateId>t1f1ae1dfsdc9ds41dsb31632d457ds6s2a</TemplateId>
            <TemplateName>template_tts</TemplateName>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:33:19+0800</StartTime>
        <State>Success</State>
        <Tag>Tts</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:33:18+0800</CreationTime>
        <EndTime>2022-06-30T19:33:24+0800</EndTime>
        <JobId>j707f4864f86811ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <Input>
                <CosHeaders>
```

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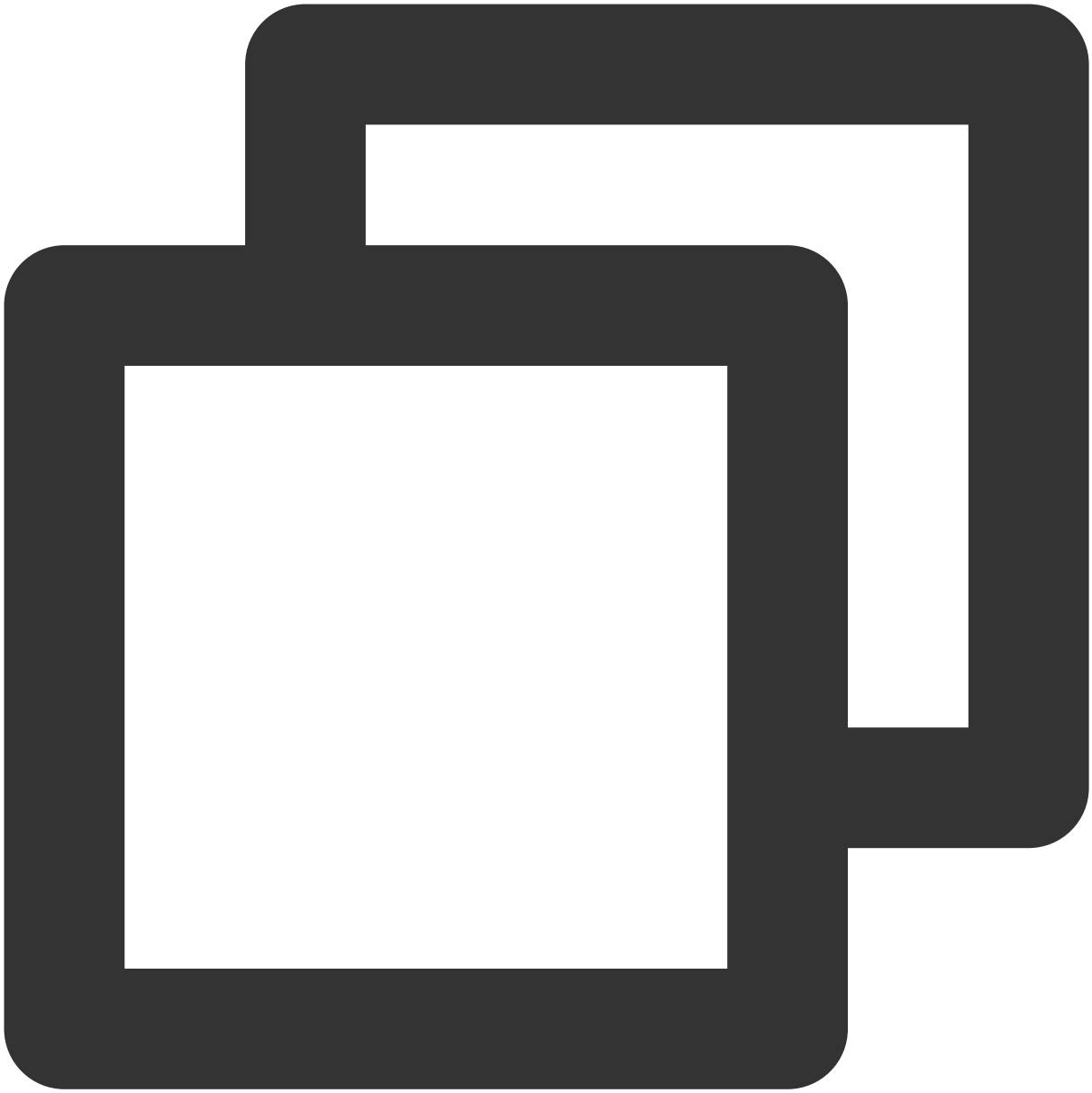
```
                <Key>Content-Type</Key>
                <Value>application/octet-stream</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>265</Value>
            </CosHeaders>
        </Input>
        <MediaInfo>
            <Format/>
            <Stream>
                <Audio>
                    <CodecName>mp3</CodecName>
                    <SampleRate>16000</SampleRate>
                </Audio>
                <Subtitle/>
                <Video/>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>5b2ca33cd7357abb1e0ea29f57544df9</Md5>
                    <ObjectName>/output/aixiaonan.mp3</ObjectName>
                </Md5Info>
                <ObjectName>/output/aixiaonan.mp3</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
            <Object>output/aixiaonan.mp3</Object>
            <Region>ap-chongqing</Region>
        </Output>
        <TtsConfig>
            <Input>https://test-123456789.cos.ap-chongqing.myqcloud.com/input/t
            <InputType>Url</InputType>
```

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```
            </TtsConfig>
            <TemplateId>t1f1ae1dfsdc9ds41dsb31632d457ds6s2a</TemplateId>
            <TemplateName>template_tts</TemplateName>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T19:33:19+0800</StartTime>
        <State>Success</State>
        <Tag>Tts</Tag>
        <Workflow>
            <Name>Tts_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T19:33:18+0800",
        "EndTime": "2022-06-30T19:33:24+0800",
        "JobId": "j707f4864f86811ecb90d0b03267ce0e5",
        "Operation": {
            "Input": {
                "CosHeaders": [{
                        "Key": "Content-Type",
```


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```
                        "Value": "application/octet-stream"
                    },
                    {
                        "Key": "x-cos-request-id",
                        "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                    },
                    {
                        "Key": "EventName",
                        "Value": "cos:ObjectCreated:Put"
                    },
                    {
                        "Key": "Size",
                        "Value": "265"
                    }
                ]
            },
            "MediaInfo": {
                "Stream": {
                    "Audio": {
                        "CodecName": "mp3",
                        "SampleRate": "16000"
                    }
                }
            },
            "MediaResult": {
                "OutputFile": {
                    "Bucket": "test-123456789",
                    "Md5Info": {
                        "Md5": "5b2ca33cd7357abb1e0ea29f57544df9",
                        "ObjectName": "/output/aixiaonan.mp3"
                    },
                    "ObjectName": "/output/aixiaonan.mp3",
                    "Region": "ap-chongqing"
                }
            },
            "Output": {
                "Bucket": "test-123456789",
                "Object": "output/aixiaonan.mp3",
                "Region": "ap-chongqing"
            },
            "TtsConfig": {
                "Input": "https://test-123456789.cos.ap-chongqing.myqcloud.com/inpu
                "InputType": "Url"
            },
            "TemplateId": "t1f1ae1dfsdc9ds41dsb31632d457ds6s2a",
            "TemplateName": "template_tts"
        },
```


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```
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T19:33:19+0800",
        "State": "Success",
        "Tag": "Tts",
        "Workflow": {
            "Name": "Tts_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Video Montage

Last updated：2024-02-27 15:42:23

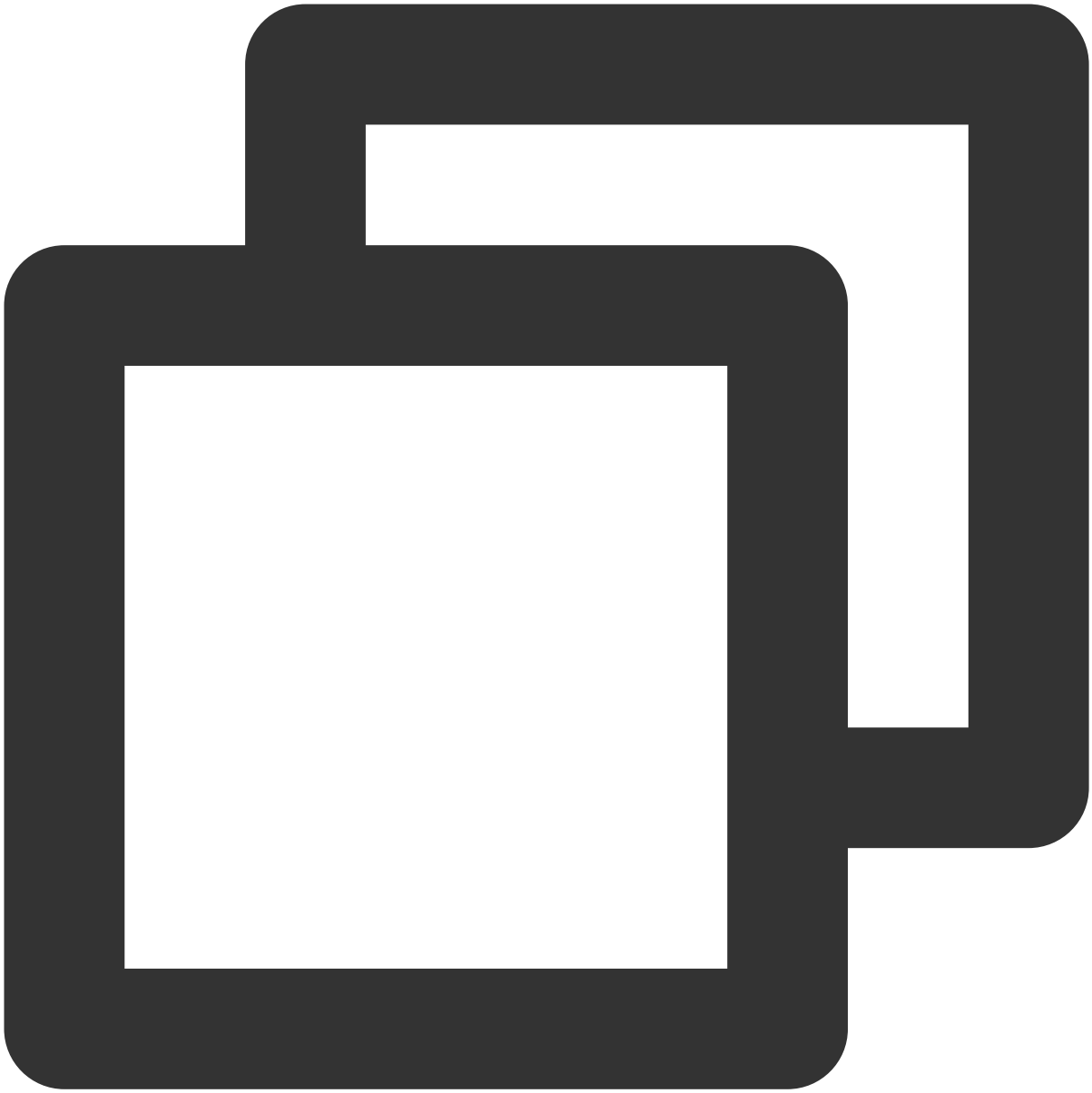
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:55:05+0800</CreationTime>
        <EndTime>2022-06-30T19:55:19+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j7b0dfbe2f86b11ec995acf5cffaf6664</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>14044.868000</Bitrate>
                    <Duration>2.067000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>3628843</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>126.400000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>2.066576</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>25.000000</AvgFps>
                        <Bitrate>14664.836000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/90000</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>1.960000</Duration>
                        <Fps>25.000000</Fps>
                        <HasBFrame>2</HasBFrame>
```

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```
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>41</Level>
                        <NumFrames>49</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.086000</StartTime>
                        <Timebase>1/90000</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>6080b31ea94defa6c19cc4def539a291</Md5>
                        <ObjectName>output/videoMontage.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/videoMontage.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/videoMontage.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t164ac18da8bdc403fa27ac4b077a962a1</TemplateId>
            <TemplateName>videoMontage</TemplateName>
            <UserData>This is my VideoMontage job.</UserData>
        </Operation>
        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
        <StartTime>2022-06-30T19:55:05+0800</StartTime>
        <State>Success</State>
        <Tag>VideoMontage</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the video montage job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

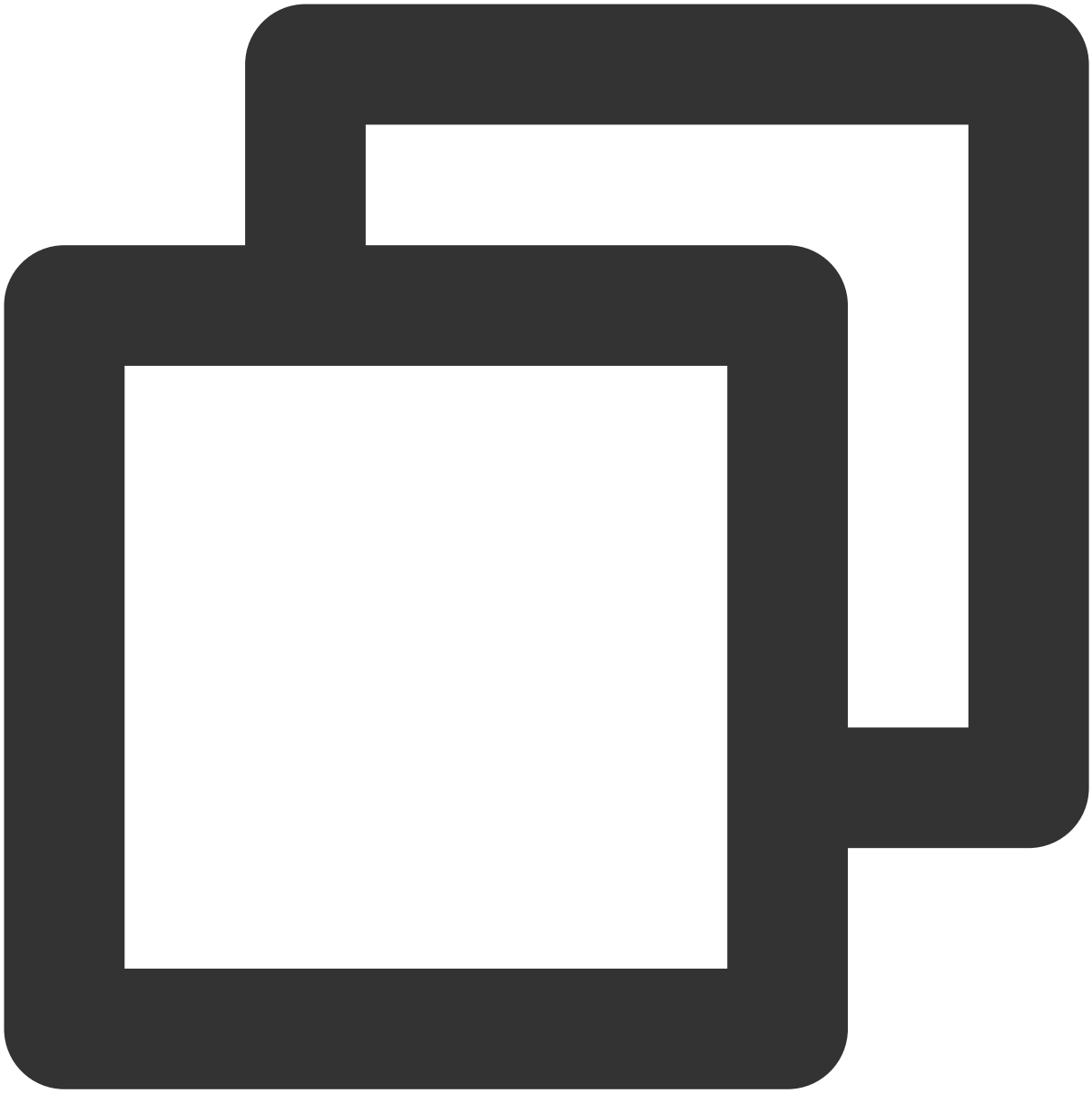
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:55:05+0800</CreationTime>
        <EndTime>2022-06-30T19:55:19+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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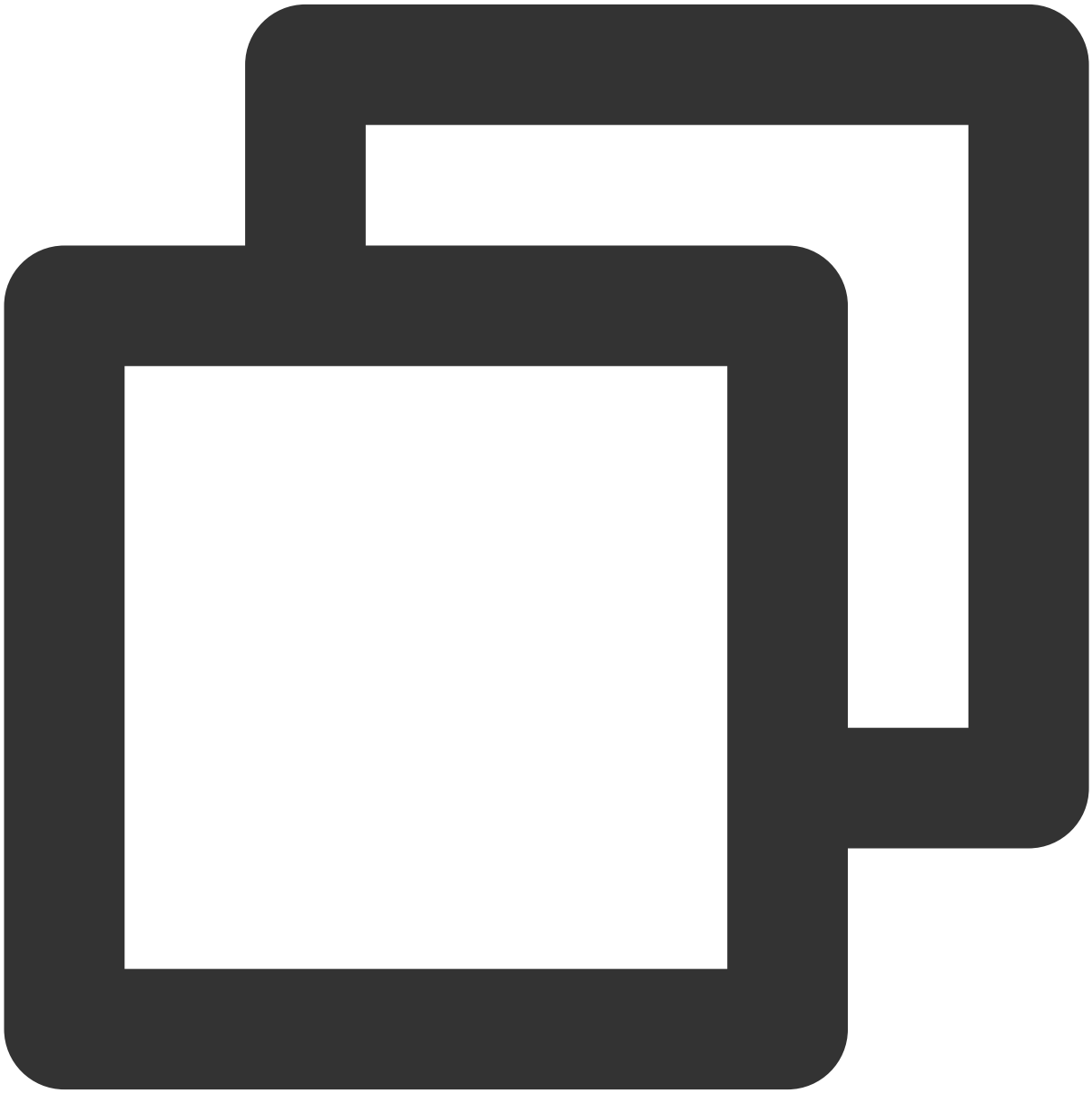
```
        <JobId>j7b0dfbe2f86b11ec995acf5cffaf6664</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>14044.868000</Bitrate>
                    <Duration>2.067000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>3628843</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>126.400000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>2.066576</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>25.000000</AvgFps>
                        <Bitrate>14664.836000</Bitrate>
                        <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                        <CodecName>h264</CodecName>
                        <CodecTag>0x31637661</CodecTag>
                        <CodecTagString>avc1</CodecTagString>
                        <CodecTimeBase>1/90000</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>1.960000</Duration>
                        <Fps>25.000000</Fps>
                        <HasBFrame>2</HasBFrame>
```

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```
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>41</Level>
                        <NumFrames>49</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>High</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.086000</StartTime>
                        <Timebase>1/90000</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>6080b31ea94defa6c19cc4def539a291</Md5>
                        <ObjectName>output/videoMontage.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/videoMontage.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/videoMontage.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t164ac18da8bdc403fa27ac4b077a962a1</TemplateId>
            <TemplateName>videoMontage</TemplateName>
            <UserData>This is my VideoMontage job.</UserData>
        </Operation>
        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
        <StartTime>2022-06-30T19:55:05+0800</StartTime>
        <State>Success</State>
        <Tag>VideoMontage</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T19:55:05+0800</CreationTime>
        <EndTime>2022-06-30T19:55:19+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j7b0dfbe2f86b11ec995acf5cffaf6664</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>14044.868000</Bitrate>
                    <Duration>2.067000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>3628843</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>126.400000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>2.066576</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
```

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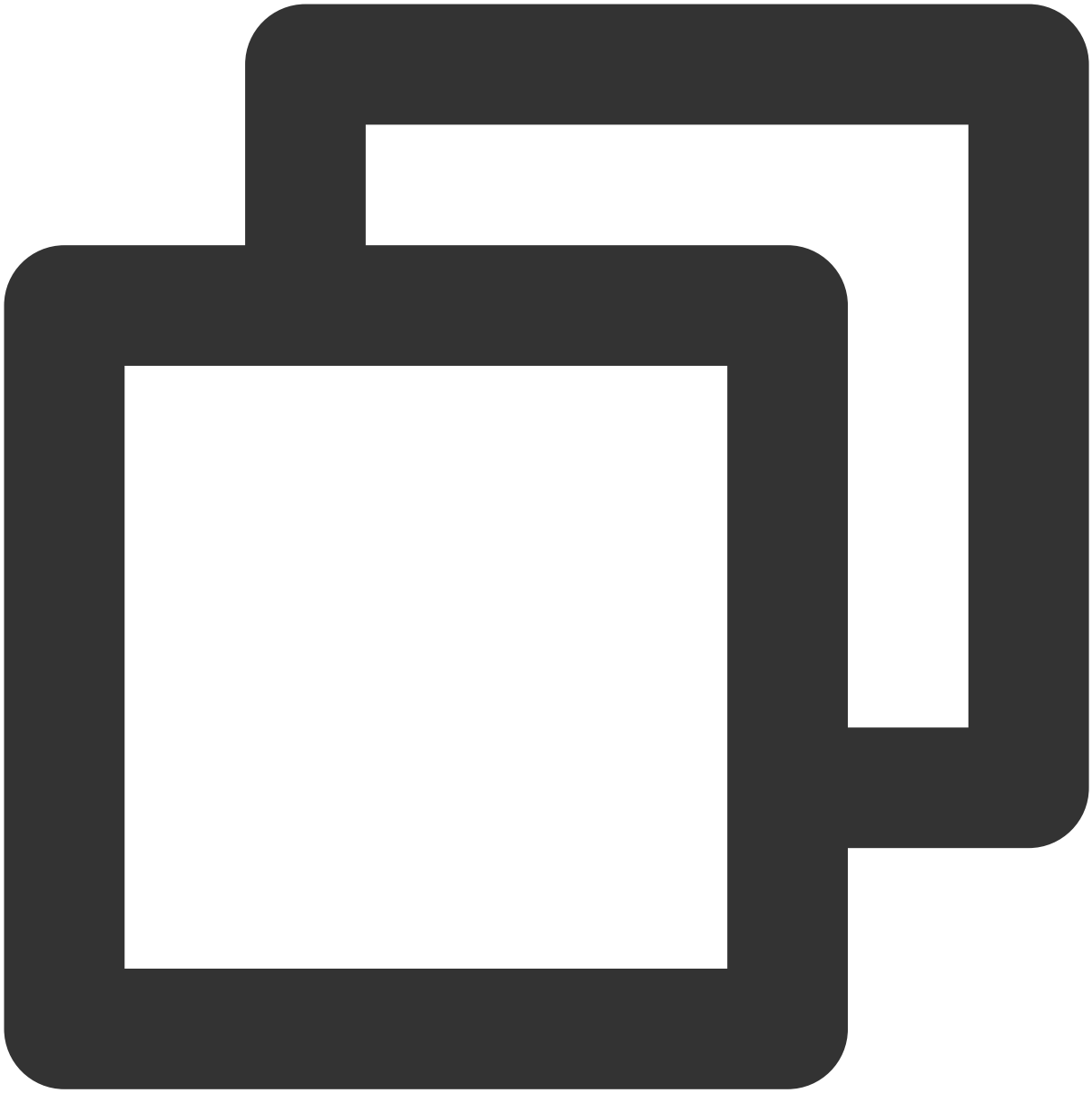
```
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>25.000000</AvgFps>
                    <Bitrate>14664.836000</Bitrate>
                    <CodecLongName>H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10</C
                    <CodecName>h264</CodecName>
                    <CodecTag>0x31637661</CodecTag>
                    <CodecTagString>avc1</CodecTagString>
                    <CodecTimeBase>1/90000</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>1.960000</Duration>
                    <Fps>25.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>41</Level>
                    <NumFrames>49</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>High</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.086000</StartTime>
                    <Timebase>1/90000</Timebase>
                    <Width>544</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>6080b31ea94defa6c19cc4def539a291</Md5>
                    <ObjectName>output/videoMontage.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/videoMontage.mp4</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
            <Object>output/videoMontage.mp4</Object>
            <Region>ap-chongqing</Region>
```

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```
            </Output>
            <TemplateId>t164ac18da8bdc403fa27ac4b077a962a1</TemplateId>
            <TemplateName>videoMontage</TemplateName>
            <UserData>This is my VideoMontage job.</UserData>
        </Operation>
        <QueueId>p09d709939fef48a0a5c247ef39d90cec</QueueId>
        <StartTime>2022-06-30T19:55:05+0800</StartTime>
        <State>Success</State>
        <Tag>VideoMontage</Tag>
        <Workflow>
            <Name>VideoMontage_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T19:55:05+0800",
        "EndTime": "2022-06-30T19:55:19+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```

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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j7b0dfbe2f86b11ec995acf5cffaf6664",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "14044.868000",
                    "Duration": "2.067000",
                    "FormatLongName": "QuickTime / MOV",
                    "FormatName": "mov,mp4,m4a,3gp,3g2,mj2",
                    "NumProgram": "0",
                    "NumStream": "2",
                    "Size": "3628843",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "126.400000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/44100",
                        "Duration": "2.066576",
                        "Index": "1",
                        "Language": "und",
                        "SampleFmt": "fltp",
                        "SampleRate": "44100",
                        "StartTime": "0.000000",
                        "Timebase": "1/44100"
```


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```
                },
                "Video": {
                    "AvgFps": "25.000000",
                    "Bitrate": "14664.836000",
                    "CodecLongName": "H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10
                    "CodecName": "h264",
                    "CodecTag": "0x31637661",
                    "CodecTagString": "avc1",
                    "CodecTimeBase": "1/90000",
                    "ColorPrimaries": "bt470bg",
                    "ColorRange": "tv",
                    "ColorTransfer": "smpte170m",
                    "Duration": "1.960000",
                    "Fps": "25.000000",
                    "HasBFrame": "2",
                    "Height": "960",
                    "Index": "0",
                    "Language": "und",
                    "Level": "41",
                    "NumFrames": "49",
                    "PixFormat": "yuv420p",
                    "Profile": "High",
                    "RefFrames": "1",
                    "Rotation": "0.000000",
                    "StartTime": "0.086000",
                    "Timebase": "1/90000",
                    "Width": "544"
                }
            }
        },
        "MediaResult": {
            "OutputFile": {
                "Bucket": "test-123456789",
                "Md5Info": {
                    "Md5": "6080b31ea94defa6c19cc4def539a291",
                    "ObjectName": "output/videoMontage.mp4"
                },
                "ObjectName": "output/videoMontage.mp4",
                "Region": "ap-chongqing"
            }
        },
        "Output": {
            "Bucket": "test-123456789",
            "Object": "output/videoMontage.mp4",
            "Region": "ap-chongqing"
        },
        "TemplateId": "t164ac18da8bdc403fa27ac4b077a962a1",
```


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```
            "TemplateName": "videoMontage",
            "UserData": "This is my VideoMontage job."
        },
        "QueueId": "p09d709939fef48a0a5c247ef39d90cec",
        "StartTime": "2022-06-30T19:55:05+0800",
        "State": "Success",
        "Tag": "VideoMontage",
        "Workflow": {
            "Name": "VideoMontage_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Video Enhancement

Last updated：2024-02-27 15:42:23

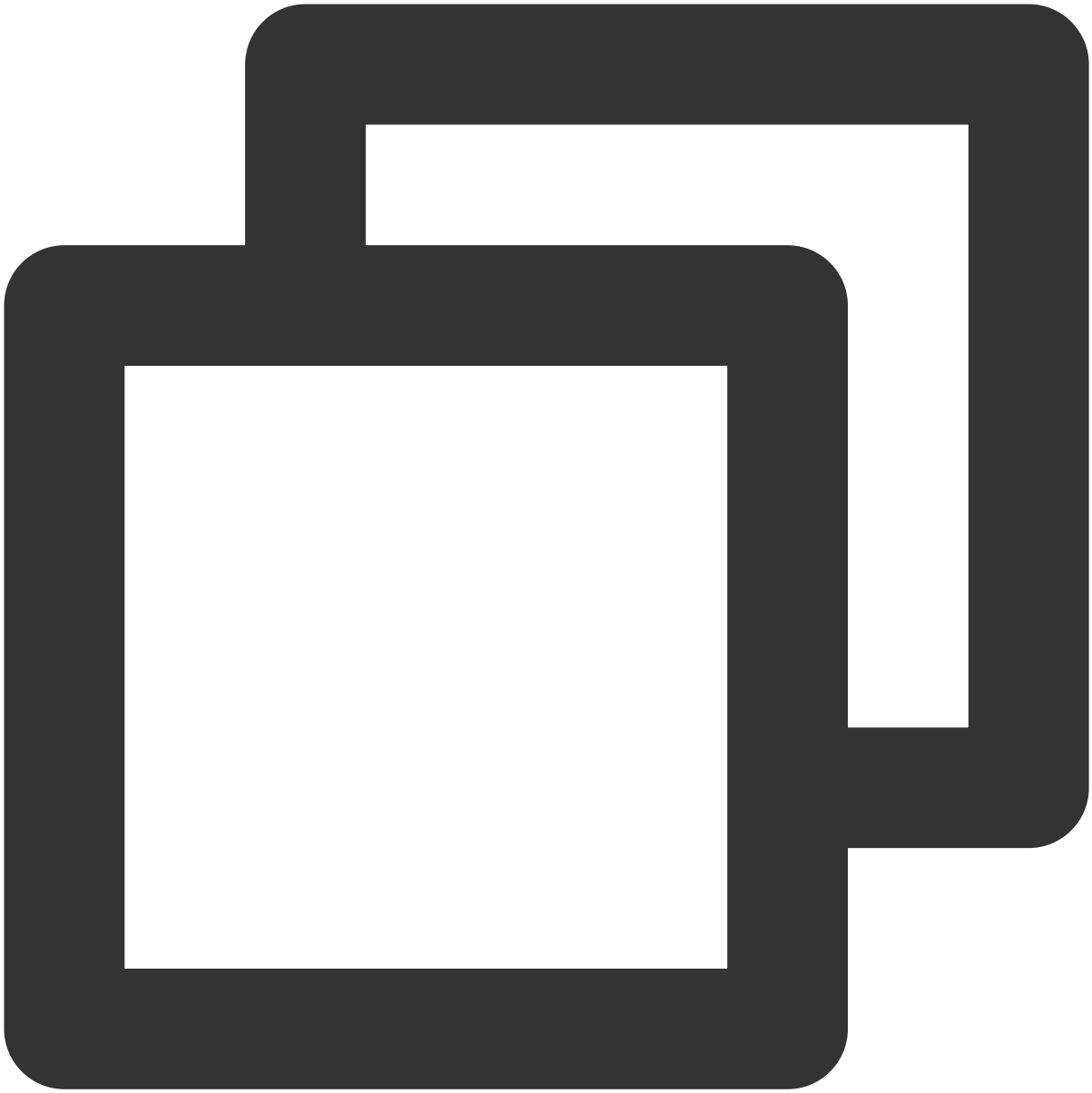
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T20:02:17+0800</CreationTime>
        <EndTime>2022-06-30T20:02:34+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j7d0eafdaf86c11ecbdf419856486c0ab</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>10269.090000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>17526771</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.652993</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>24.922840</AvgFps>
                        <Bitrate>10674.365000</Bitrate>
                        <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                        <CodecName>hevc</CodecName>
                        <CodecTag>0x31766568</CodecTag>
                        <CodecTagString>hev1</CodecTagString>
                        <CodecTimeBase>1/12800</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960000</Duration>
                        <FieldOrder>progressive</FieldOrder>
                        <Fps>25.000000</Fps>
```

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```
                        <HasBFrame>2</HasBFrame>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>93</Level>
                        <NumFrames>323</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>Main</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>a825aa6c59371509995a47b570c29297</Md5>
                        <ObjectName>output/video-process.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/video-process.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/video-process.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
            <TemplateId>t1f4ac18da8bdc403fa27ac4bfn77a62a1</TemplateId>
            <TemplateName>videoProcess_12654</TemplateName>
            <UserData>This is my VideoProcess job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T20:02:18+0800</StartTime>
        <State>Success</State>
        <Tag>VideoProcess</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

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Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the video enhancement job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

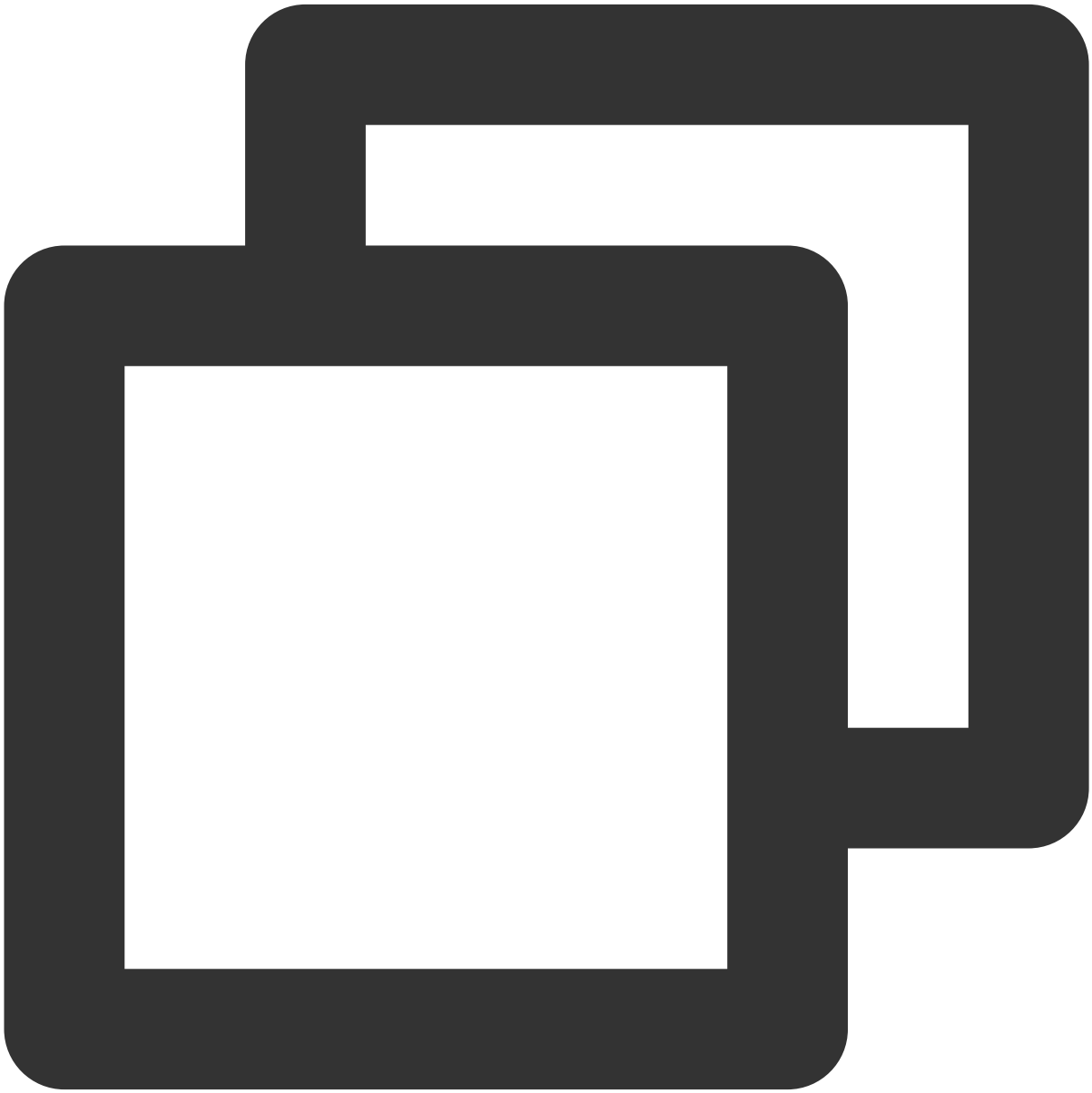
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T20:02:17+0800</CreationTime>
        <EndTime>2022-06-30T20:02:34+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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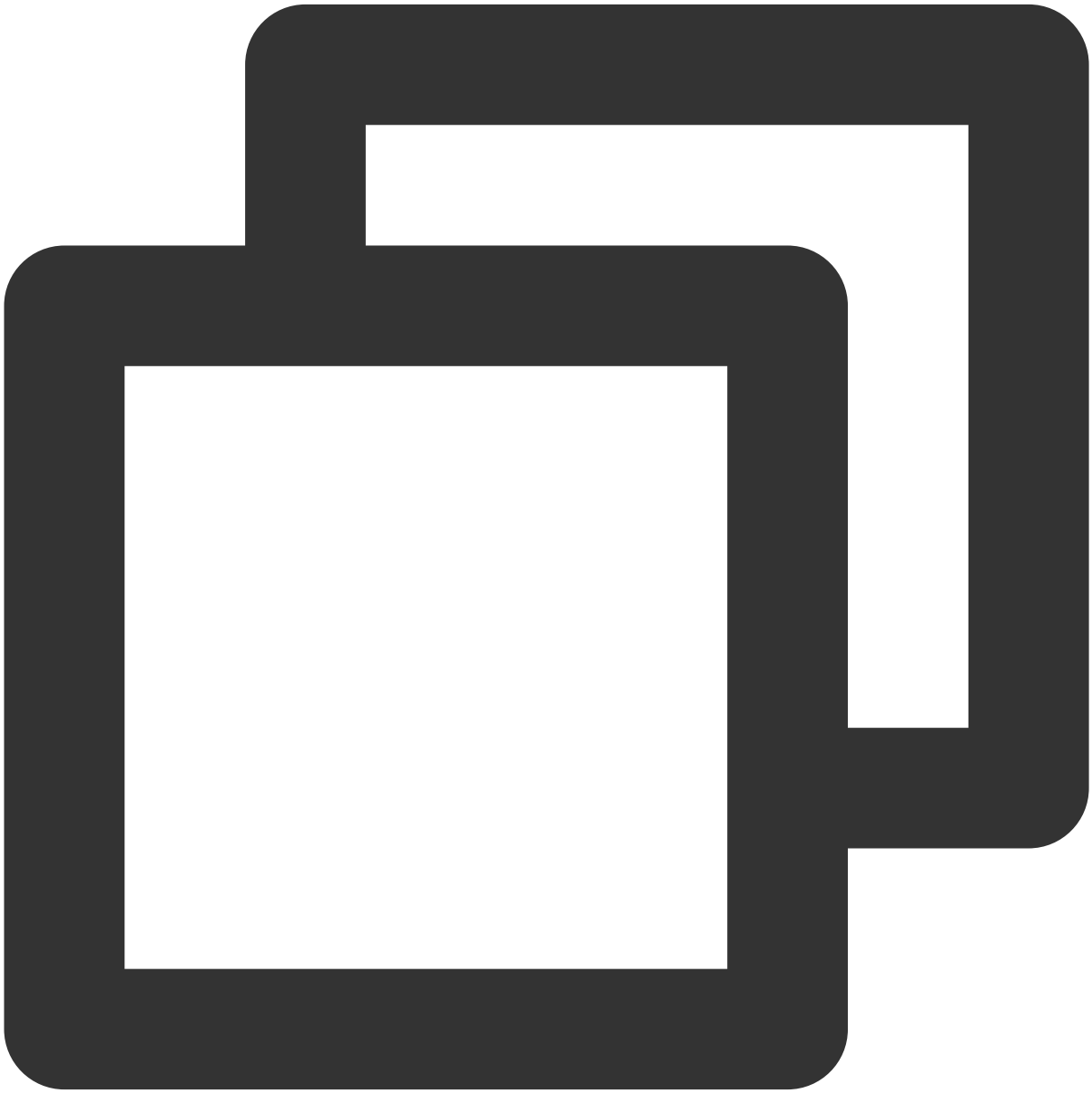
```
        <JobId>j7d0eafdaf86c11ecbdf419856486c0ab</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>10269.090000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>17526771</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.652993</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>24.922840</AvgFps>
                        <Bitrate>10674.365000</Bitrate>
                        <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                        <CodecName>hevc</CodecName>
                        <CodecTag>0x31766568</CodecTag>
                        <CodecTagString>hev1</CodecTagString>
                        <CodecTimeBase>1/12800</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960000</Duration>
                        <FieldOrder>progressive</FieldOrder>
                        <Fps>25.000000</Fps>
```

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```
                        <HasBFrame>2</HasBFrame>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>93</Level>
                        <NumFrames>323</NumFrames>
                        <PixFormat>yuv420p</PixFormat>
                        <Profile>Main</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0.000000</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>544</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>a825aa6c59371509995a47b570c29297</Md5>
                        <ObjectName>output/video-process.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/video-process.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/video-process.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
            <TemplateId>t1f4ac18da8bdc403fa27ac4bfn77a62a1</TemplateId>
            <TemplateName>videoProcess_12654</TemplateName>
            <UserData>This is my VideoProcess job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T20:02:18+0800</StartTime>
        <State>Success</State>
        <Tag>VideoProcess</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T20:02:17+0800</CreationTime>
        <EndTime>2022-06-30T20:02:34+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j7d0eafdaf86c11ecbdf419856486c0ab</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>10269.090000</Bitrate>
                    <Duration>13.654000</Duration>
                    <FormatLongName>QuickTime / MOV</FormatLongName>
                    <FormatName>mov,mp4,m4a,3gp,3g2,mj2</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>2</NumStream>
                    <Size>17526771</Size>
                    <StartTime>0.000000</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.726000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.652993</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
```

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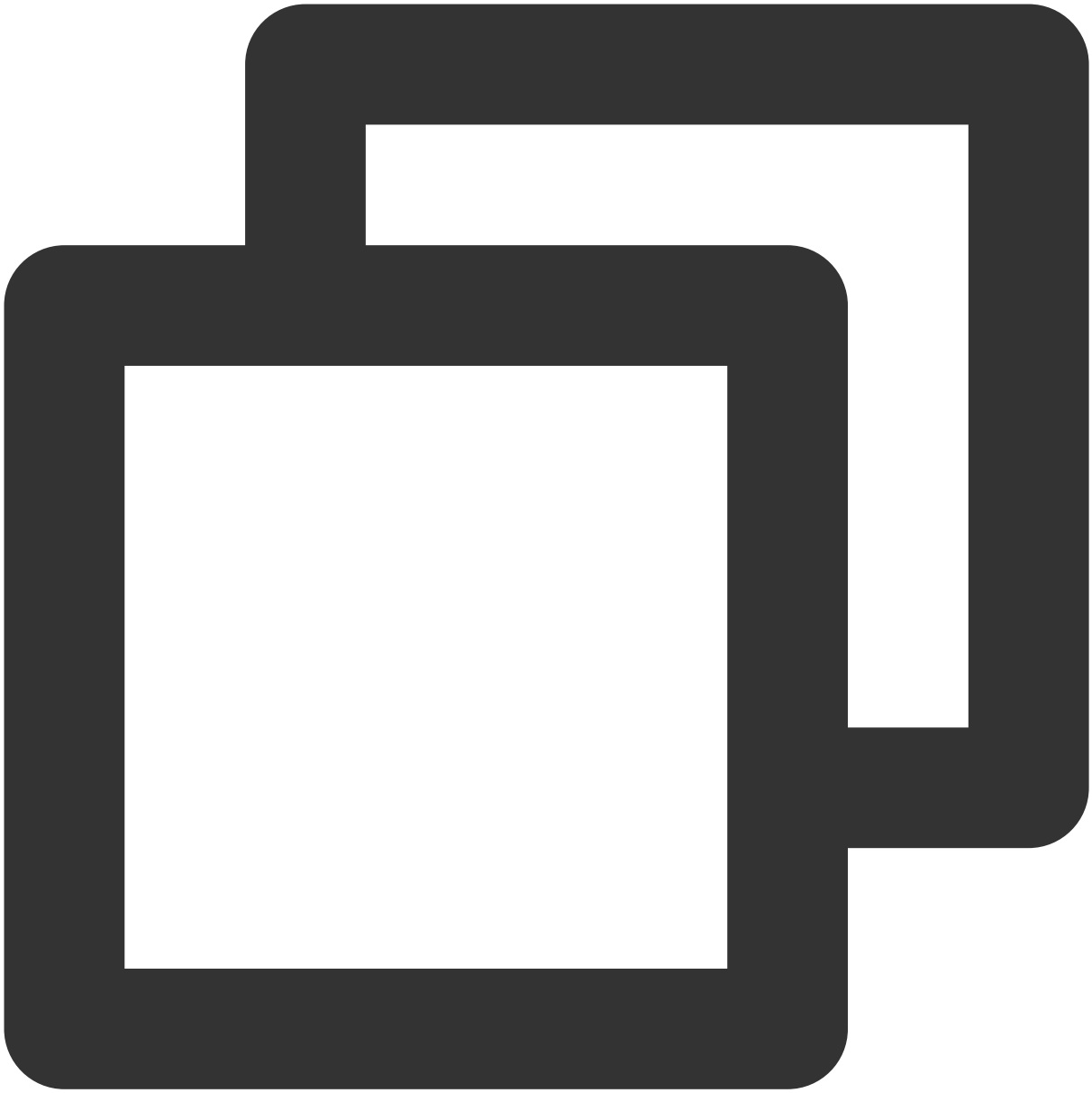
```
                </Audio>
                <Subtitle/>
                <Video>
                    <AvgFps>24.922840</AvgFps>
                    <Bitrate>10674.365000</Bitrate>
                    <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                    <CodecName>hevc</CodecName>
                    <CodecTag>0x31766568</CodecTag>
                    <CodecTagString>hev1</CodecTagString>
                    <CodecTimeBase>1/12800</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>12.960000</Duration>
                    <FieldOrder>progressive</FieldOrder>
                    <Fps>25.000000</Fps>
                    <HasBFrame>2</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>93</Level>
                    <NumFrames>323</NumFrames>
                    <PixFormat>yuv420p</PixFormat>
                    <Profile>Main</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0.000000</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>544</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>a825aa6c59371509995a47b570c29297</Md5>
                    <ObjectName>output/video-process.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/video-process.mp4</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
            <Object>output/video-process.mp4</Object>
```

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```
                <Region>ap-chongqing</Region>
            </Output>
            <TranscodeTemplateId>t156c107210e7243c5817354565d81b578</TranscodeTempl
            <TemplateId>t1f4ac18da8bdc403fa27ac4bfn77a62a1</TemplateId>
            <TemplateName>videoProcess_12654</TemplateName>
            <UserData>This is my VideoProcess job.</UserData>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T20:02:18+0800</StartTime>
        <State>Success</State>
        <Tag>VideoProcess</Tag>
        <Workflow>
            <Name>VideoProcess_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T20:02:17+0800",
        "EndTime": "2022-06-30T20:02:34+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```

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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j7d0eafdaf86c11ecbdf419856486c0ab",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "10269.090000",
                    "Duration": "13.654000",
                    "FormatLongName": "QuickTime / MOV",
                    "FormatName": "mov,mp4,m4a,3gp,3g2,mj2",
                    "NumProgram": "0",
                    "NumStream": "2",
                    "Size": "17526771",
                    "StartTime": "0.000000"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "128.726000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/44100",
                        "Duration": "13.652993",
                        "Index": "1",
                        "Language": "und",
                        "SampleFmt": "fltp",
                        "SampleRate": "44100",
                        "StartTime": "0.000000",
                        "Timebase": "1/44100"
```


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```
                },
                "Video": {
                    "AvgFps": "24.922840",
                    "Bitrate": "10674.365000",
                    "CodecLongName": "H.265 / HEVC (High Efficiency Video Codin
                    "CodecName": "hevc",
                    "CodecTag": "0x31766568",
                    "CodecTagString": "hev1",
                    "CodecTimeBase": "1/12800",
                    "ColorPrimaries": "bt470bg",
                    "ColorRange": "tv",
                    "ColorTransfer": "smpte170m",
                    "Duration": "12.960000",
                    "FieldOrder": "progressive",
                    "Fps": "25.000000",
                    "HasBFrame": "2",
                    "Height": "960",
                    "Index": "0",
                    "Language": "und",
                    "Level": "93",
                    "NumFrames": "323",
                    "PixFormat": "yuv420p",
                    "Profile": "Main",
                    "RefFrames": "1",
                    "Rotation": "0.000000",
                    "StartTime": "0.000000",
                    "Timebase": "1/12800",
                    "Width": "544"
                }
            }
        },
        "MediaResult": {
            "OutputFile": {
                "Bucket": "test-123456789",
                "Md5Info": {
                    "Md5": "a825aa6c59371509995a47b570c29297",
                    "ObjectName": "output/video-process.mp4"
                },
                "ObjectName": "output/video-process.mp4",
                "Region": "ap-chongqing"
            }
        },
        "Output": {
            "Bucket": "test-123456789",
            "Object": "output/video-process.mp4",
            "Region": "ap-chongqing"
        },
```


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```
            "TranscodeTemplateId": "t156c107210e7243c5817354565d81b578",
            "TemplateId": "t1f4ac18da8bdc403fa27ac4bfn77a62a1",
            "TemplateName": "videoProcess_12654",
            "UserData": "This is my VideoProcess job."
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T20:02:18+0800",
        "State": "Success",
        "Tag": "VideoProcess",
        "Workflow": {
            "Name": "VideoProcess_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Video Tagging

Last updated：2024-02-27 15:42:23

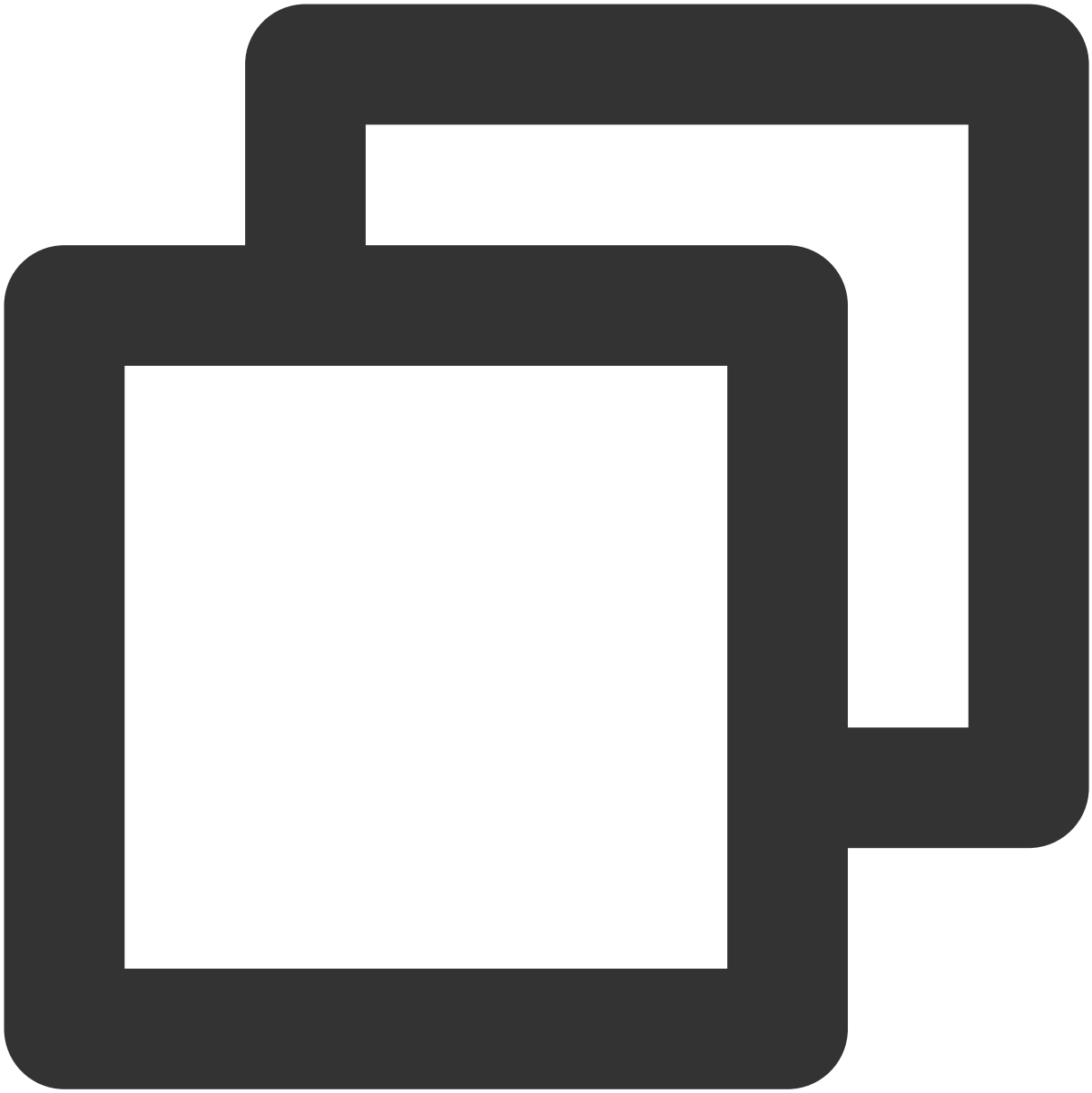
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-01T10:05:48+0800</CreationTime>
        <EndTime>2022-07-01T10:06:02+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j535b10a4f8e211ec9452c1c27f56a659</JobId>
        <Message>Success</Message>
        <Operation>
            <UserData>This is my VideoTag job.</UserData>
            <VideoTag>
                <Scenario>Stream</Scenario>
            </VideoTag>
            <VideoTagResult>
                <StreamData>
                    <Data>
                        <ActionTags>
                            <EndTime>11</EndTime>
                            <StartTime>0</StartTime>
                            <Tags>
                                <Confidence>0.421531</Confidence>
                                <Tag>Speak</Tag>
                                <TagCls>Speak</TagCls>
                            </Tags>
                        </ActionTags>
                        <ActionTags>
                            <EndTime>12.88</EndTime>
                            <StartTime>11.04</StartTime>
                            <Tags/>
                        </ActionTags>
                        <ObjectTags>
                            <Objects>
                                <BBox>
                                    <X1>0.10181817412376404</X1>
                                    <X2>0.8069194555282593</X2>
                                    <Y1>0.6880248785018921</Y1>
                                    <Y2>0.8779844045639038</Y2>
                                </BBox>
                                <Confidence>0.808393</Confidence>
                                <Name>Keyboard</Name>
                            </Objects>
                            <TimeStamp>11</TimeStamp>
                        </ObjectTags>
                        <PersonTags/>
                        <PlaceTags>
                            <ClipFrameResult>Office: 0.55</ClipFrameResult>
                            <ClipFrameResult>Office: 0.55</ClipFrameResult>
                            <ClipFrameResult>Office: 0.59</ClipFrameResult>
                            <ClipFrameResult>Office: 0.54</ClipFrameResult>
                            <ClipFrameResult>Office: 0.42</ClipFrameResult>
                            <ClipFrameResult>Office: 0.43</ClipFrameResult>
                            <ClipFrameResult>Office: 0.33</ClipFrameResult>
                            <ClipFrameResult>Office: 0.29</ClipFrameResult>
```

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```
                    <ClipFrameResult>Office: 0.15</ClipFrameResult>
                    <ClipFrameResult>Entertainment venue: 0.42</ClipFrameRe
                    <ClipFrameResult>Office: 0.33</ClipFrameResult>
                    <EndIndex>275</EndIndex>
                    <EndTime>11</EndTime>
                    <StartIndex>0</StartIndex>
                    <StartTime>0</StartTime>
                    <Tags>
                        <Confidence>0.591724</Confidence>
                        <Tag>Office</Tag>
                        <TagCls>Work</TagCls>
                    </Tags>
                    <Tags>
                        <Confidence>0.175342</Confidence>
                        <Tag>Supermarket/Convenience store/Store</Tag>
                        <TagCls>Business</TagCls>
                    </Tags>
                </PlaceTags>
                <PlaceTags>
                    <ClipFrameResult>Other: 0.09</ClipFrameResult>
                    <ClipFrameResult>Other: 0.21</ClipFrameResult>
                    <ClipFrameResult>Other: 0.19</ClipFrameResult>
                    <ClipFrameResult>Sky: 0.28</ClipFrameResult>
                    <ClipFrameResult>Sky: 0.25</ClipFrameResult>
                    <ClipFrameResult>Other: 0.30</ClipFrameResult>
                    <ClipFrameResult>Other: 0.28</ClipFrameResult>
                    <ClipFrameResult>Other: 0.49</ClipFrameResult>
                    <ClipFrameResult>Other: 0.56</ClipFrameResult>
                    <ClipFrameResult>Other: 0.58</ClipFrameResult>
                    <EndIndex>322</EndIndex>
                    <EndTime>12.88</EndTime>
                    <StartIndex>276</StartIndex>
                    <StartTime>11.04</StartTime>
                    <Tags>
                        <Confidence>0.581444</Confidence>
                        <Tag>Other</Tag>
                        <TagCls>Other</TagCls>
                    </Tags>
                    <Tags>
                        <Confidence>0.283301</Confidence>
                        <Tag>Sky</Tag>
                        <TagCls>Nature/Outdoor</TagCls>
                    </Tags>
                </PlaceTags>
                <Tags>
                    <Confidence>0.355083</Confidence>
                    <Tag>MOBA - Arena of Valor</Tag>
```

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```
                        </Tags>
                        <Tags>
                            <Confidence>0.587103</Confidence>
                            <Tag>Game</Tag>
                        </Tags>
                        <Tags>
                            <Confidence>0.544651</Confidence>
                            <Tag>Office</Tag>
                        </Tags>
                        <Tags>
                            <Confidence>0.182886</Confidence>
                            <Tag>Supermarket/Convenience store/Store</Tag>
                        </Tags>
                    </Data>
                    <SubErrCode>0</SubErrCode>
                    <SubErrMsg>ok</SubErrMsg>
                </StreamData>
            </VideoTagResult>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-07-01T10:05:50+0800</StartTime>
        <State>Success</State>
        <Tag>VideoTag</Tag>
        <VideoTag/>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the video tagging job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

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`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

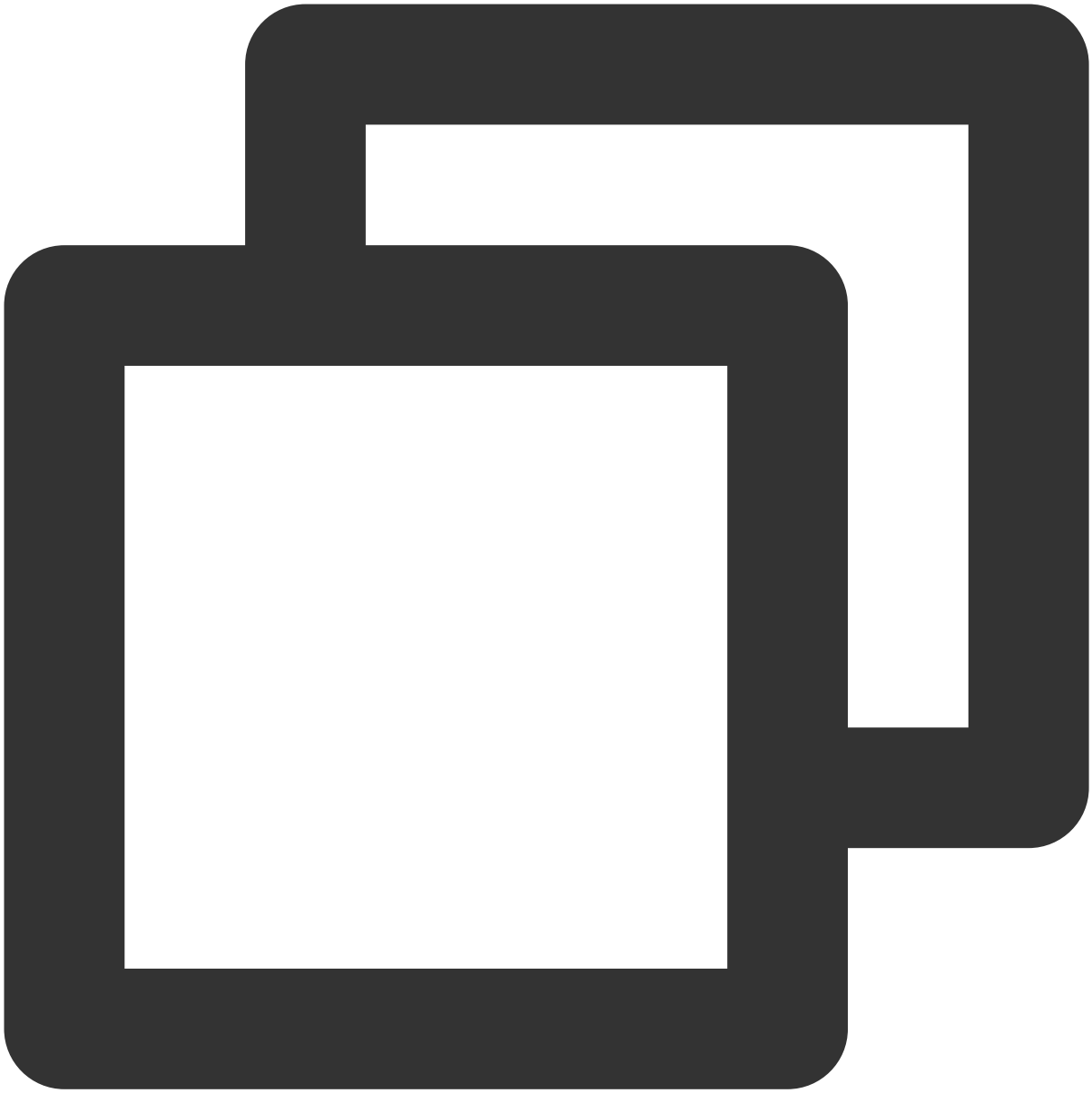
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-01T10:05:48+0800</CreationTime>
        <EndTime>2022-07-01T10:06:02+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j535b10a4f8e211ec9452c1c27f56a659</JobId>
        <Message>Success</Message>
        <Operation>
            <UserData>This is my VideoTag job.</UserData>
            <VideoTag>
                <Scenario>Stream</Scenario>
            </VideoTag>
            <VideoTagResult>
                <StreamData>
                    <Data>
                        <ActionTags>
                            <EndTime>11</EndTime>
                            <StartTime>0</StartTime>
                            <Tags>
                                <Confidence>0.421531</Confidence>
                                <Tag>Speak</Tag>
                                <TagCls>Speak</TagCls>
                            </Tags>
                        </ActionTags>
                        <ActionTags>
                            <EndTime>12.88</EndTime>
                            <StartTime>11.04</StartTime>
                            <Tags/>
                        </ActionTags>
                        <ObjectTags>
                            <Objects>
                                <BBox>
                                    <X1>0.10181817412376404</X1>
                                    <X2>0.8069194555282593</X2>
                                    <Y1>0.6880248785018921</Y1>
                                    <Y2>0.8779844045639038</Y2>
                                </BBox>
                                <Confidence>0.808393</Confidence>
                                <Name>Keyboard</Name>
                            </Objects>
                            <TimeStamp>11</TimeStamp>
                        </ObjectTags>
                        <PersonTags/>
                        <PlaceTags>
                            <ClipFrameResult>Office: 0.55</ClipFrameResult>
                            <ClipFrameResult>Office: 0.55</ClipFrameResult>
                            <ClipFrameResult>Office: 0.59</ClipFrameResult>
                            <ClipFrameResult>Office: 0.54</ClipFrameResult>
                            <ClipFrameResult>Office: 0.42</ClipFrameResult>
                            <ClipFrameResult>Office: 0.43</ClipFrameResult>
                            <ClipFrameResult>Office: 0.33</ClipFrameResult>
                            <ClipFrameResult>Office: 0.29</ClipFrameResult>
```

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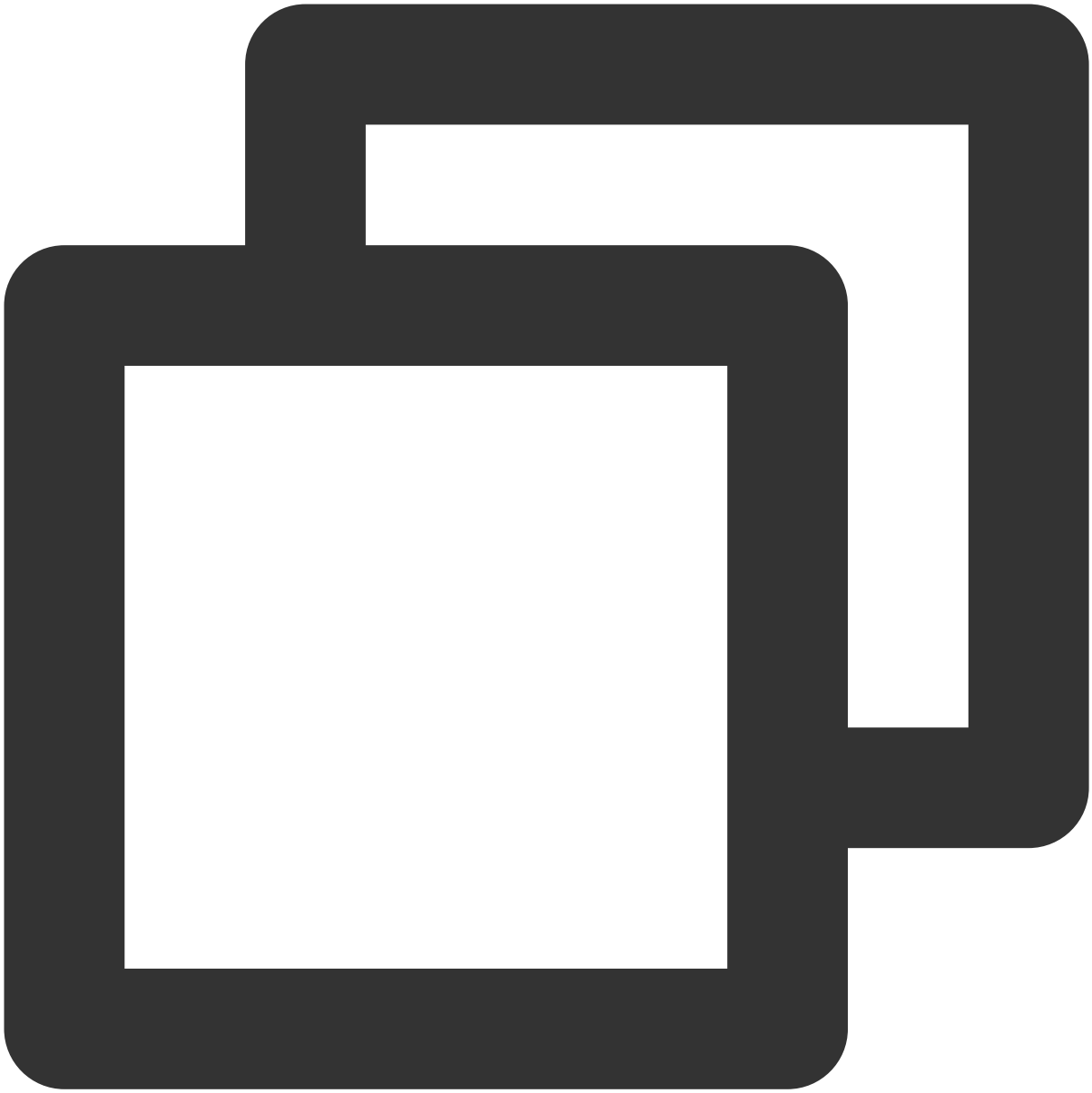
```
                        <ClipFrameResult>Office: 0.15</ClipFrameResult>
                        <ClipFrameResult>Entertainment venue: 0.42</ClipFrameRe
                        <ClipFrameResult>Office: 0.33</ClipFrameResult>
                        <EndIndex>275</EndIndex>
                        <EndTime>11</EndTime>
                        <StartIndex>0</StartIndex>
                        <StartTime>0</StartTime>
                        <Tags>
                            <Confidence>0.591724</Confidence>
                            <Tag>Office</Tag>
                            <TagCls>Work</TagCls>
                        </Tags>
                        <Tags>
                            <Confidence>0.175342</Confidence>
                            <Tag>Supermarket/Convenience store/Store</Tag>
                            <TagCls>Business</TagCls>
                        </Tags>
                    </PlaceTags>
                    <PlaceTags>
                        <ClipFrameResult>Other: 0.09</ClipFrameResult>
                        <ClipFrameResult>Other: 0.21</ClipFrameResult>
                        <ClipFrameResult>Other: 0.19</ClipFrameResult>
                        <ClipFrameResult>Sky: 0.28</ClipFrameResult>
                        <ClipFrameResult>Sky: 0.25</ClipFrameResult>
                        <ClipFrameResult>Other: 0.30</ClipFrameResult>
                        <ClipFrameResult>Other: 0.28</ClipFrameResult>
                        <ClipFrameResult>Other: 0.49</ClipFrameResult>
                        <ClipFrameResult>Other: 0.56</ClipFrameResult>
                        <ClipFrameResult>Other: 0.58</ClipFrameResult>
                        <EndIndex>322</EndIndex>
                        <EndTime>12.88</EndTime>
                        <StartIndex>276</StartIndex>
                        <StartTime>11.04</StartTime>
                        <Tags>
                            <Confidence>0.581444</Confidence>
                            <Tag>Other</Tag>
                            <TagCls>Other</TagCls>
                        </Tags>
                        <Tags>
                            <Confidence>0.283301</Confidence>
                            <Tag>Sky</Tag>
                            <TagCls>Nature/Outdoor</TagCls>
                        </Tags>
                    </PlaceTags>
                    <Tags>
                        <Confidence>0.355083</Confidence>
                        <Tag>MOBA - Arena of Valor</Tag>
```

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```
                        </Tags>
                        <Tags>
                            <Confidence>0.587103</Confidence>
                            <Tag>Game</Tag>
                        </Tags>
                        <Tags>
                            <Confidence>0.544651</Confidence>
                            <Tag>Office</Tag>
                        </Tags>
                        <Tags>
                            <Confidence>0.182886</Confidence>
                            <Tag>Supermarket/Convenience store/Store</Tag>
                        </Tags>
                    </Data>
                    <SubErrCode>0</SubErrCode>
                    <SubErrMsg>ok</SubErrMsg>
                </StreamData>
            </VideoTagResult>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-07-01T10:05:50+0800</StartTime>
        <State>Success</State>
        <Tag>VideoTag</Tag>
        <VideoTag/>
    </JobsDetail>
</Response>
```

Sample 2: Job callback in JSON format triggered by a job API

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-07-01T10:05:48+0800",
        "EndTime": "2022-07-01T10:06:02+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing"
        },
```

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```
        "JobId": "j535b10a4f8e211ec9452c1c27f56a659",
        "Message": "Success",
        "Operation": {
            "UserData": "This is my VideoTag job.",
            "VideoTag": {
                "Scenario": "Stream"
            },
            "VideoTagResult": {
                "StreamData": {
                    "Data": {
                        "ActionTags": [{
                                "EndTime": "11",
                                "StartTime": "0",
                                "Tags": {
                                    "Confidence": "0.421531",
                                    "Tag": "Speak",
                                    "TagCls": "Speak"
                                }
                            },
                            {
                                "EndTime": "12.88",
                                "StartTime": "11.04"
                            }
                        ],
                        "ObjectTags": {
                            "Objects": {
                                "BBox": {
                                    "X1": "0.10181817412376404",
                                    "X2": "0.8069194555282593",
                                    "Y1": "0.6880248785018921",
                                    "Y2": "0.8779844045639038"
                                },
                                "Confidence": "0.808393",
                                "Name": "Keyboard"
                            },
                            "TimeStamp": "11"
                        },
                        "PlaceTags": [{
                                "ClipFrameResult": [
                                    "Office: 0.55",
                                    "Office: 0.55",
                                    "Office: 0.59",
                                    "Office: 0.54",
                                    "Office: 0.42",
                                    "Office: 0.43",
                                    "Office: 0.33",
                                    "Office: 0.29",
```


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```
                "Office: 0.15",
                "Entertainment venue: 0.42",
                "Office: 0.33"
            ],
            "EndIndex": "275",
            "EndTime": "11",
            "StartIndex": "0",
            "StartTime": "0",
            "Tags": [{
                    "Confidence": "0.591724",
                    "Tag": "Office",
                    "TagCls": "Work"
                },
                {
                    "Confidence": "0.175342",
                    "Tag": "Supermarket/Convenience store/Store
                    "TagCls": "Business"
                }
            ]
        },
        {
            "ClipFrameResult": [
                "Other: 0.09",
                "Other: 0.21",
                "Other: 0.19",
                "Sky: 0.28",
                "Sky: 0.25",
                "Other: 0.30",
                "Other: 0.28",
                "Other: 0.49",
                "Other: 0.56",
                "Other: 0.58"
            ],
            "EndIndex": "322",
            "EndTime": "12.88",
            "StartIndex": "276",
            "StartTime": "11.04",
            "Tags": [{
                    "Confidence": "0.581444",
                    "Tag": "Other",
                    "TagCls": "Other"
                },
                {
                    "Confidence": "0.283301",
                    "Tag": "Sky",
                    "TagCls": "Nature/Outdoor"
                }
```


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```
                                ]
                            }
                        ],
                        "Tags": [{
                                "Confidence": "0.355083",
                                "Tag": "MOBA - Arena of Valor"
                            },
                            {
                                "Confidence": "0.587103",
                                "Tag": "Game"
                            },
                            {
                                "Confidence": "0.544651",
                                "Tag": "Office"
                            },
                            {
                                "Confidence": "0.182886",
                                "Tag": "Supermarket/Convenience store/Store"
                            }
                        ]
                    },
                    "SubErrCode": "0",
                    "SubErrMsg": "ok"
                }
            }
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-07-01T10:05:50+0800",
        "State": "Success",
        "Tag": "VideoTag"
    }]
}
```


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Voice/Sound Separation

Last updated：2024-02-27 15:42:23

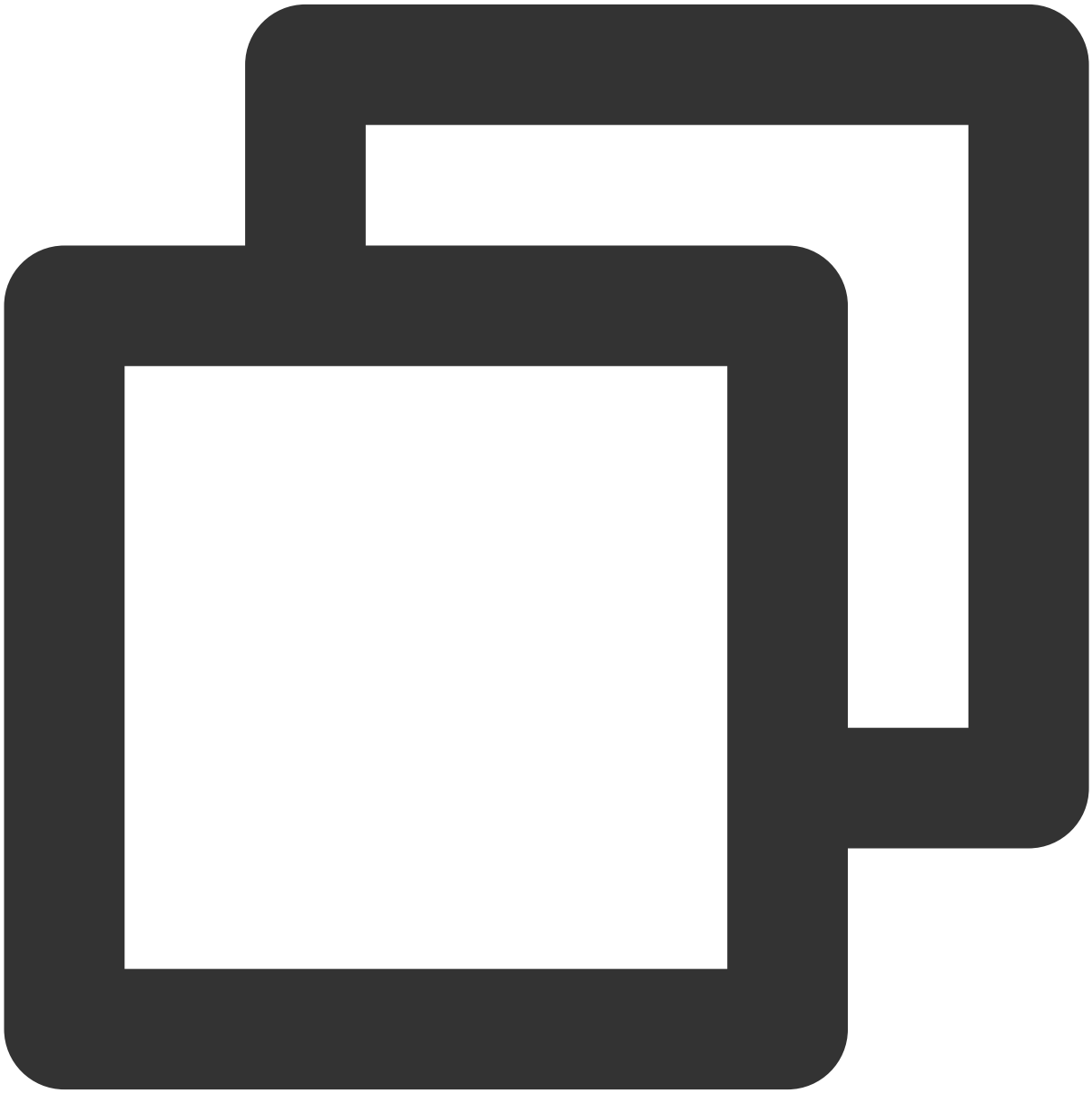
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-01T10:12:26+0800</CreationTime>
        <EndTime>2022-07-01T10:12:32+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp3</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j40644e92f8e311ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>128.147000</Bitrate>
                    <Duration>13.688163</Duration>
                    <FormatLongName>MP2/3 (MPEG audio layer 2/3)</FormatLongName>
                    <FormatName>mp3</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>1</NumStream>
                    <Size>219263</Size>
                    <StartTime>0.025057</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.000000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>MP3 (MPEG audio layer 3)</CodecLongName>
                        <CodecName>mp3</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/14112000</CodecTimeBase>
                        <Duration>13.688163</Duration>
                        <Index>0</Index>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.025057</StartTime>
                        <Timebase>1/14112000</Timebase>
                    </Audio>
                    <Audio>
                        <Bitrate>128.000000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>MP3 (MPEG audio layer 3)</CodecLongName>
                        <CodecName>mp3</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/14112000</CodecTimeBase>
                        <Duration>13.688163</Duration>
                        <Index>0</Index>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.025057</StartTime>
                        <Timebase>1/14112000</Timebase>
                    </Audio>
```

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```
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>3b883c0462ba845acdf3eb7e30db1a1c</Md5>
                        <ObjectName>output/audio.mp3</ObjectName>
                    </Md5Info>
                    <Md5Info>
                        <Md5>62de6bb513d6105eeeb1a6ab0077cb5a</Md5>
                        <ObjectName>output/backgroud.mp3</ObjectName>
                    </Md5Info>
                    <ObjectName>output/audio.mp3</ObjectName>
                    <ObjectName>output/backgroud.mp3</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <AuObject>output/audio.mp3</AuObject>
                <Bucket>test-123456789</Bucket>
                <Object>output/backgroud.mp3</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <UserData>This is my VoiceSeparate job.</UserData>
            <TemplateId>t1f6ac18da8bdc403fa27ac4ffnd7a6sa1</TemplateId>
            <TemplateName>videoseparate_12654</TemplateName>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-07-01T10:12:27+0800</StartTime>
        <State>Success</State>
        <Tag>VoiceSeparate</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type

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EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the voice/sound separation job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

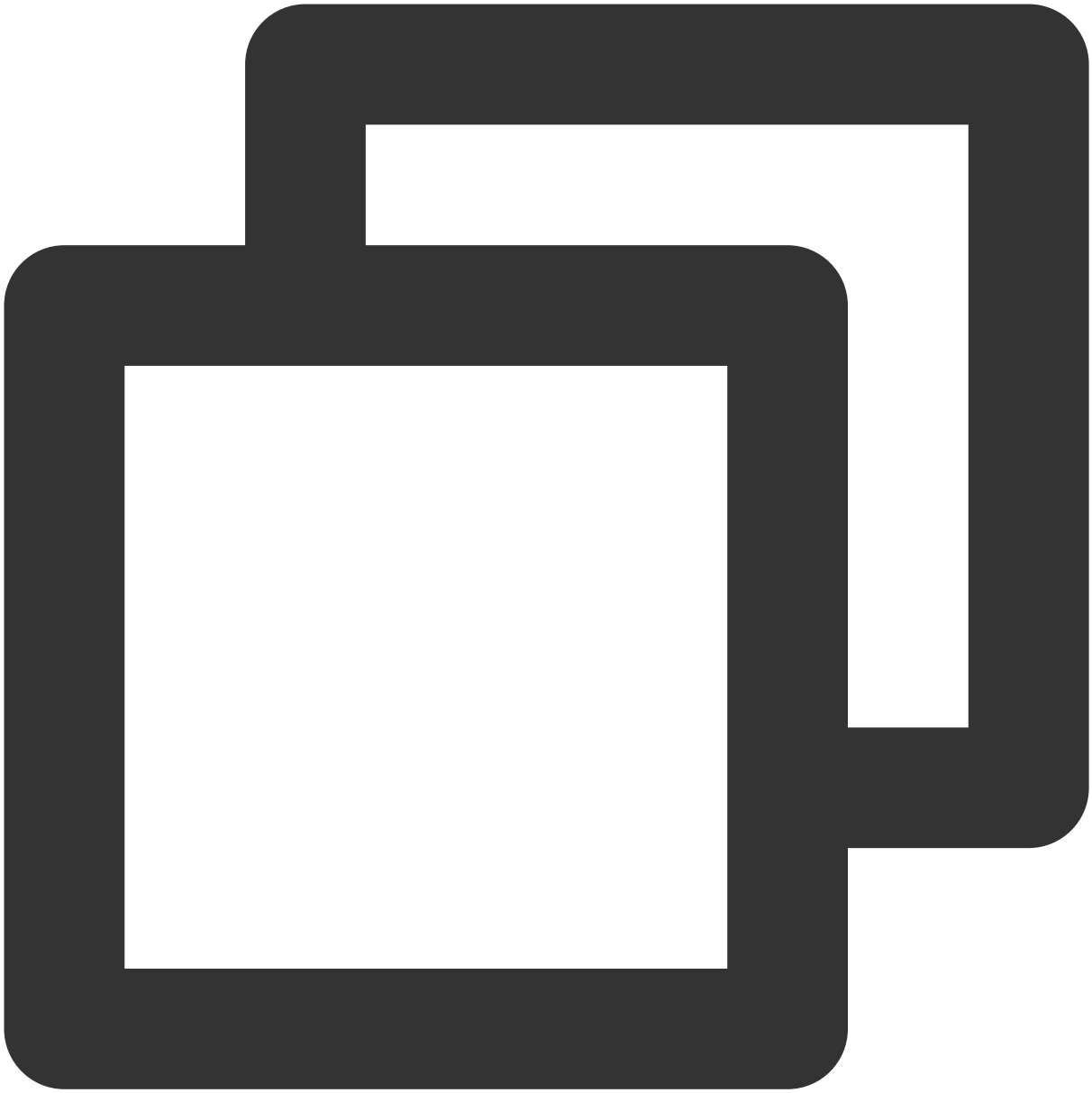
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-01T10:12:26+0800</CreationTime>
        <EndTime>2022-07-01T10:12:32+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp3</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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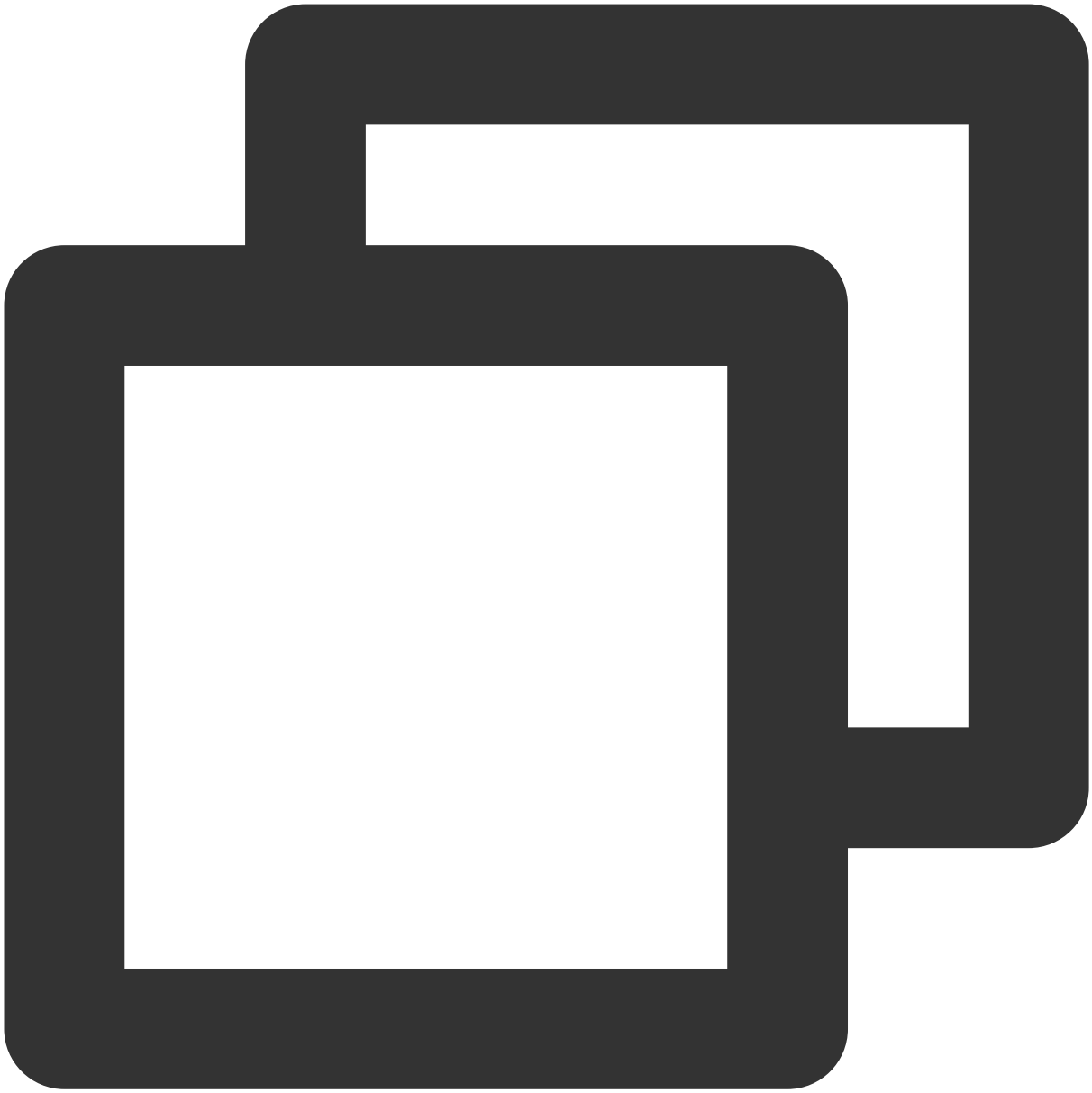
```
        <JobId>j40644e92f8e311ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>128.147000</Bitrate>
                    <Duration>13.688163</Duration>
                    <FormatLongName>MP2/3 (MPEG audio layer 2/3)</FormatLongName>
                    <FormatName>mp3</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>1</NumStream>
                    <Size>219263</Size>
                    <StartTime>0.025057</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.000000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>MP3 (MPEG audio layer 3)</CodecLongName>
                        <CodecName>mp3</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/14112000</CodecTimeBase>
                        <Duration>13.688163</Duration>
                        <Index>0</Index>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.025057</StartTime>
                        <Timebase>1/14112000</Timebase>
                    </Audio>
                    <Audio>
                        <Bitrate>128.000000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>MP3 (MPEG audio layer 3)</CodecLongName>
                        <CodecName>mp3</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/14112000</CodecTimeBase>
                        <Duration>13.688163</Duration>
                        <Index>0</Index>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.025057</StartTime>
                        <Timebase>1/14112000</Timebase>
                    </Audio>
```

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```
                    <Subtitle/>
                    <Video/>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>3b883c0462ba845acdf3eb7e30db1a1c</Md5>
                        <ObjectName>output/audio.mp3</ObjectName>
                    </Md5Info>
                    <Md5Info>
                        <Md5>62de6bb513d6105eeeb1a6ab0077cb5a</Md5>
                        <ObjectName>output/backgroud.mp3</ObjectName>
                    </Md5Info>
                    <ObjectName>output/audio.mp3</ObjectName>
                    <ObjectName>output/backgroud.mp3</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <AuObject>output/audio.mp3</AuObject>
                <Bucket>test-123456789</Bucket>
                <Object>output/backgroud.mp3</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <UserData>This is my VoiceSeparate job.</UserData>
            <TemplateId>t1f6ac18da8bdc403fa27ac4ffnd7a6sa1</TemplateId>
            <TemplateName>videoseparate_12654</TemplateName>
        </Operation>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-07-01T10:12:27+0800</StartTime>
        <State>Success</State>
        <Tag>VoiceSeparate</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-01T10:12:26+0800</CreationTime>
        <EndTime>2022-07-01T10:12:32+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp3</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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```
                <Key>Content-Type</Key>
                <Value>video/mp3</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1326515</Value>
            </CosHeaders>
        </Input>
        <JobId>j40644e92f8e311ecb90d0b03267ce0e5</JobId>
        <Message/>
        <Operation>
            <MediaInfo>
                <Format>
                    <Bitrate>128.147000</Bitrate>
                    <Duration>13.688163</Duration>
                    <FormatLongName>MP2/3 (MPEG audio layer 2/3)</FormatLongName>
                    <FormatName>mp3</FormatName>
                    <NumProgram>0</NumProgram>
                    <NumStream>1</NumStream>
                    <Size>219263</Size>
                    <StartTime>0.025057</StartTime>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128.000000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>MP3 (MPEG audio layer 3)</CodecLongName>
                        <CodecName>mp3</CodecName>
                        <CodecTag>0x0000</CodecTag>
                        <CodecTagString>[0][0][0][0]</CodecTagString>
                        <CodecTimeBase>1/14112000</CodecTimeBase>
                        <Duration>13.688163</Duration>
                        <Index>0</Index>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.025057</StartTime>
                        <Timebase>1/14112000</Timebase>
                    </Audio>
```

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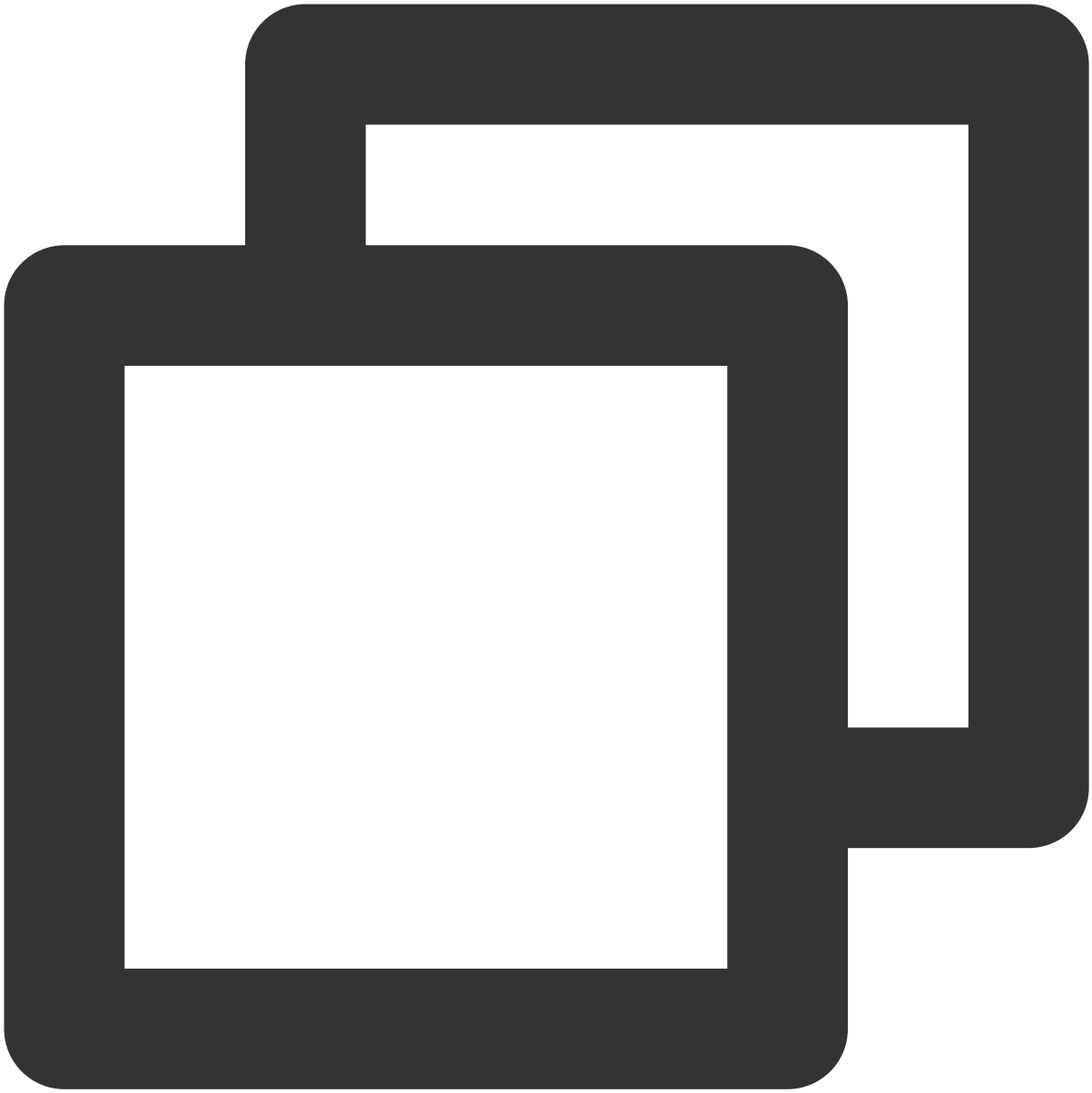
```
                <Audio>
                    <Bitrate>128.000000</Bitrate>
                    <Channel>2</Channel>
                    <ChannelLayout>stereo</ChannelLayout>
                    <CodecLongName>MP3 (MPEG audio layer 3)</CodecLongName>
                    <CodecName>mp3</CodecName>
                    <CodecTag>0x0000</CodecTag>
                    <CodecTagString>[0][0][0][0]</CodecTagString>
                    <CodecTimeBase>1/14112000</CodecTimeBase>
                    <Duration>13.688163</Duration>
                    <Index>0</Index>
                    <SampleFmt>fltp</SampleFmt>
                    <SampleRate>44100</SampleRate>
                    <StartTime>0.025057</StartTime>
                    <Timebase>1/14112000</Timebase>
                </Audio>
                <Subtitle/>
                <Video/>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>3b883c0462ba845acdf3eb7e30db1a1c</Md5>
                    <ObjectName>output/audio.mp3</ObjectName>
                </Md5Info>
                <Md5Info>
                    <Md5>62de6bb513d6105eeeb1a6ab0077cb5a</Md5>
                    <ObjectName>output/backgroud.mp3</ObjectName>
                </Md5Info>
                <ObjectName>output/audio.mp3</ObjectName>
                <ObjectName>output/backgroud.mp3</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <AuObject>output/audio.mp3</AuObject>
            <Bucket>test-123456789</Bucket>
            <Object>output/backgroud.mp3</Object>
            <Region>ap-chongqing</Region>
        </Output>
        <UserData>This is my VoiceSeparate job.</UserData>
        <TemplateId>t1f6ac18da8bdc403fa27ac4ffnd7a6sa1</TemplateId>
        <TemplateName>videoseparate_12654</TemplateName>
    </Operation>
```

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```
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-07-01T10:12:27+0800</StartTime>
        <State>Success</State>
        <Tag>VoiceSeparate</Tag>
        <Workflow>
            <Name>VoiceSeparate_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-07-01T10:12:26+0800",
        "EndTime": "2022-07-01T10:12:32+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp3",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```


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```
                    "Key": "Content-Type",
                    "Value": "video/mp3"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1326515"
                }
            ]
        },
        "JobId": "j40644e92f8e311ecb90d0b03267ce0e5",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Bitrate": "128.147000",
                    "Duration": "13.688163",
                    "FormatLongName": "MP2/3 (MPEG audio layer 2/3)",
                    "FormatName": "mp3",
                    "NumProgram": "0",
                    "NumStream": "1",
                    "Size": "219263",
                    "StartTime": "0.025057"
                },
                "Stream": {
                    "Audio": [{
                            "Bitrate": "128.000000",
                            "Channel": "2",
                            "ChannelLayout": "stereo",
                            "CodecLongName": "MP3 (MPEG audio layer 3)",
                            "CodecName": "mp3",
                            "CodecTag": "0x0000",
                            "CodecTagString": "[0][0][0][0]",
                            "CodecTimeBase": "1/14112000",
                            "Duration": "13.688163",
                            "Index": "0",
                            "SampleFmt": "fltp",
                            "SampleRate": "44100",
                            "StartTime": "0.025057",
                            "Timebase": "1/14112000"
                        },
```


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```
                {
                    "Bitrate": "128.000000",
                    "Channel": "2",
                    "ChannelLayout": "stereo",
                    "CodecLongName": "MP3 (MPEG audio layer 3)",
                    "CodecName": "mp3",
                    "CodecTag": "0x0000",
                    "CodecTagString": "[0][0][0][0]",
                    "CodecTimeBase": "1/14112000",
                    "Duration": "13.688163",
                    "Index": "0",
                    "SampleFmt": "fltp",
                    "SampleRate": "44100",
                    "StartTime": "0.025057",
                    "Timebase": "1/14112000"
                }
            ]
        }
    },
    "MediaResult": {
        "OutputFile": {
            "Bucket": "test-123456789",
            "Md5Info": [{
                    "Md5": "3b883c0462ba845acdf3eb7e30db1a1c",
                    "ObjectName": "output/audio.mp3"
                },
                {
                    "Md5": "62de6bb513d6105eeeb1a6ab0077cb5a",
                    "ObjectName": "output/backgroud.mp3"
                }
            ],
            "ObjectName": [
                "output/audio.mp3",
                "output/backgroud.mp3"
            ],
            "Region": "ap-chongqing"
        }
    },
    "Output": {
        "AuObject": "output/audio.mp3",
        "Bucket": "test-123456789",
        "Object": "output/backgroud.mp3",
        "Region": "ap-chongqing"
    },
    "UserData": "This is my VoiceSeparate job.",
    "TemplateId": "t1f6ac18da8bdc403fa27ac4ffnd7a6sa1",
    "TemplateName": "videoseparate_12654"
```


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```
        },
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-07-01T10:12:27+0800",
        "State": "Success",
        "Tag": "VoiceSeparate",
        "Workflow": {
            "Name": "VoiceSeparate_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Top Speed Codec Transcoding

Last updated：2024-02-27 15:42:23

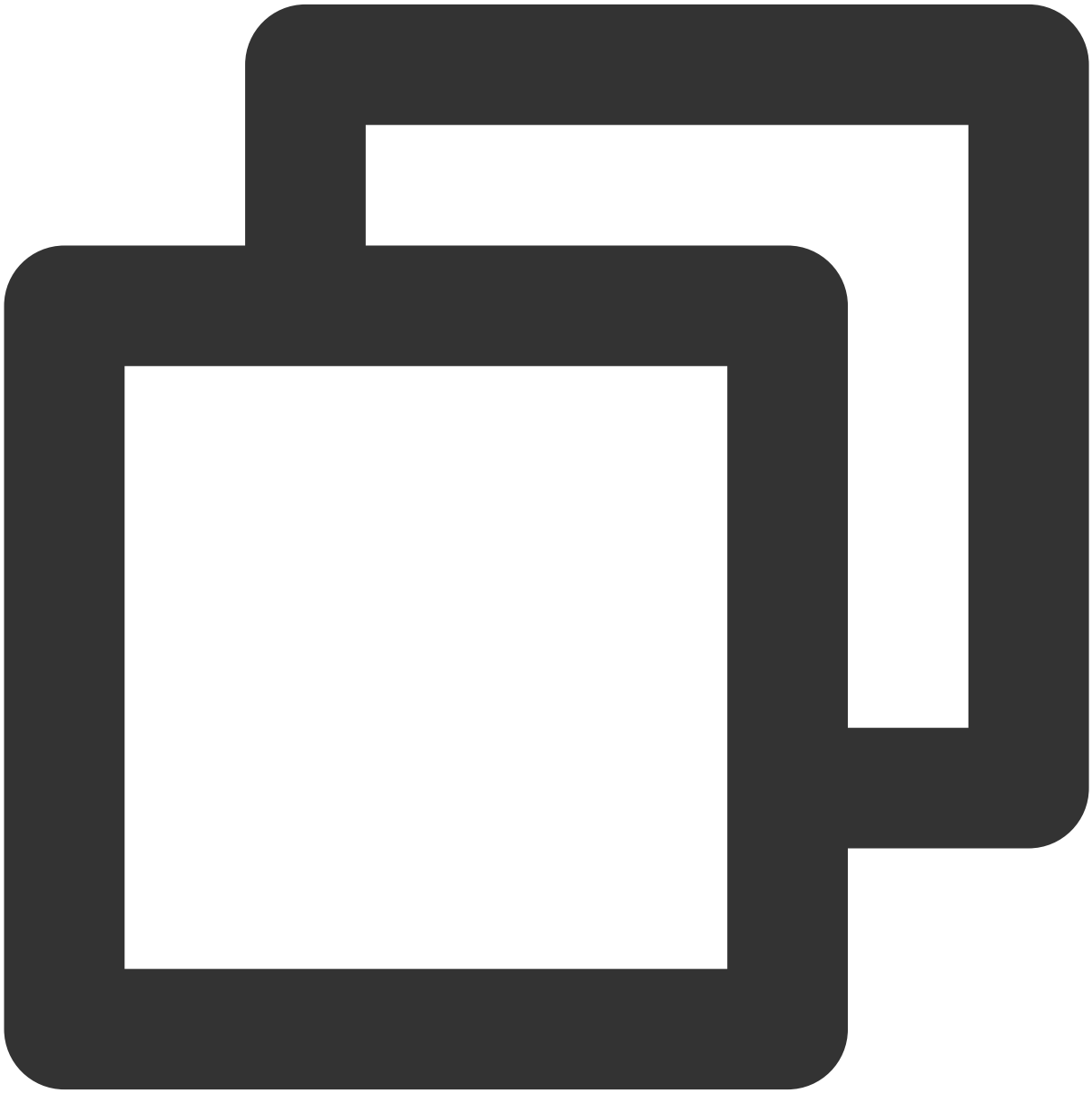
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:30:08+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>j68427030f84611ecb8546d80f2baf56f</JobId>
        <Message>success</Message>
        <Operation>
            <MediaInfo>
                <Format>
                    <Duration>13</Duration>
                    <NumStream>1</NumStream>
                    <Size>1909389</Size>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.653</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>50.000</AvgFps>
                        <Bitrate>1031968</Bitrate>
                        <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                        <CodecName>hevc</CodecName>
                        <CodecTag>0x31637668</CodecTag>
                        <CodecTagString>hvc1</CodecTagString>
                        <CodecTimeBase>1/50</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960</Duration>
                        <FieldOrder>Unknown</FieldOrder>
                        <Fps>50/1</Fps>
                        <HasBFrame>4</HasBFrame>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>4</Level>
```

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```
                        <NumFrames>648</NumFrames>
                        <PixFormat>hvc1</PixFormat>
                        <Profile>Main</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>540</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>2db78d168edf2f883adce89a1b4ca033</Md5>
                        <ObjectName>output/high_speed.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/high_speed.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/high_speed.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
            <TemplateName>high_993874</TemplateName>
            <UserData>This is my HighSpeedHd job.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <Progress>100</Progress>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:42+0800</StartTime>
        <State>Success</State>
        <Tag>Transcode</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the top speed codec transcoding job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

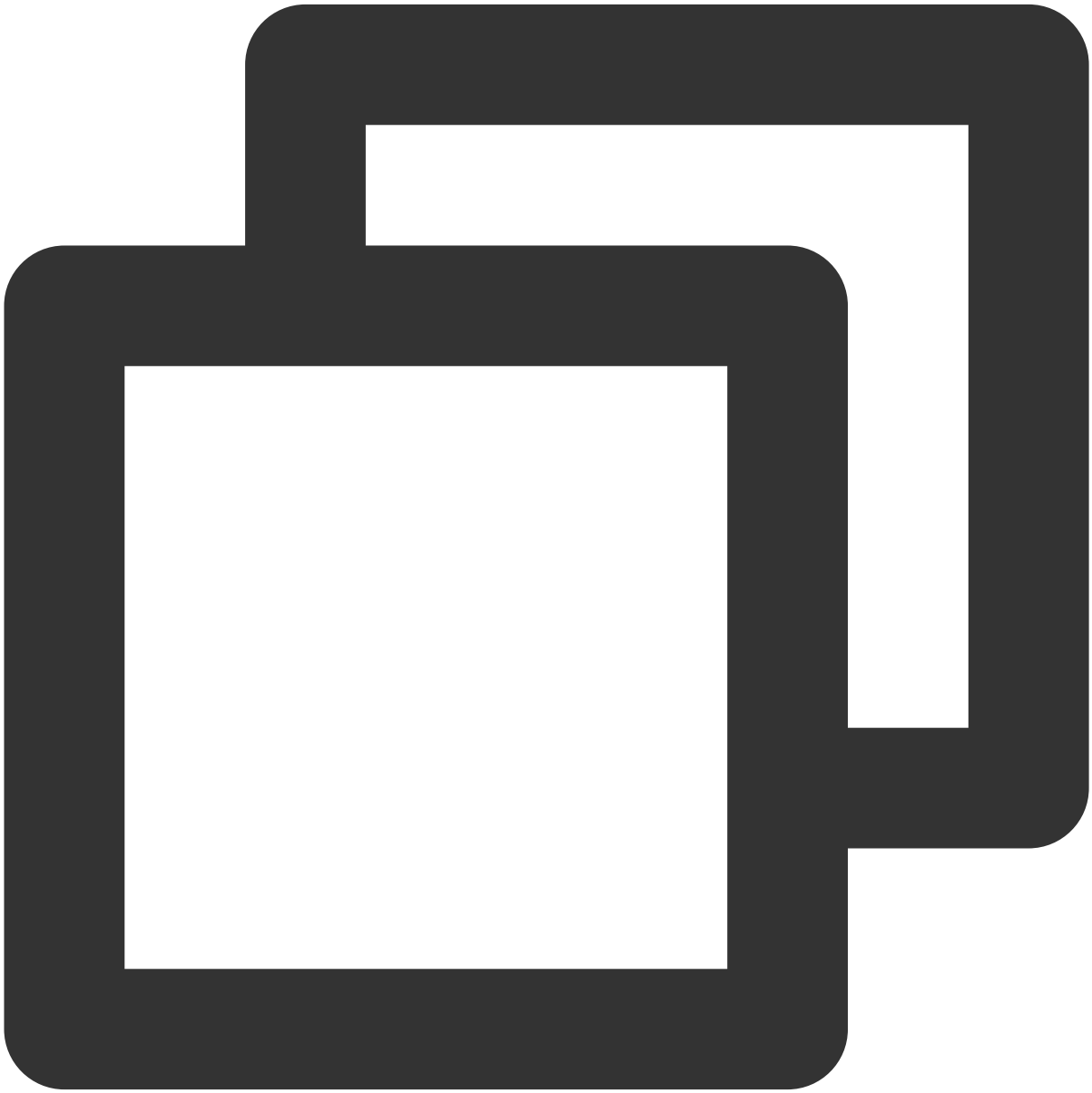
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:30:08+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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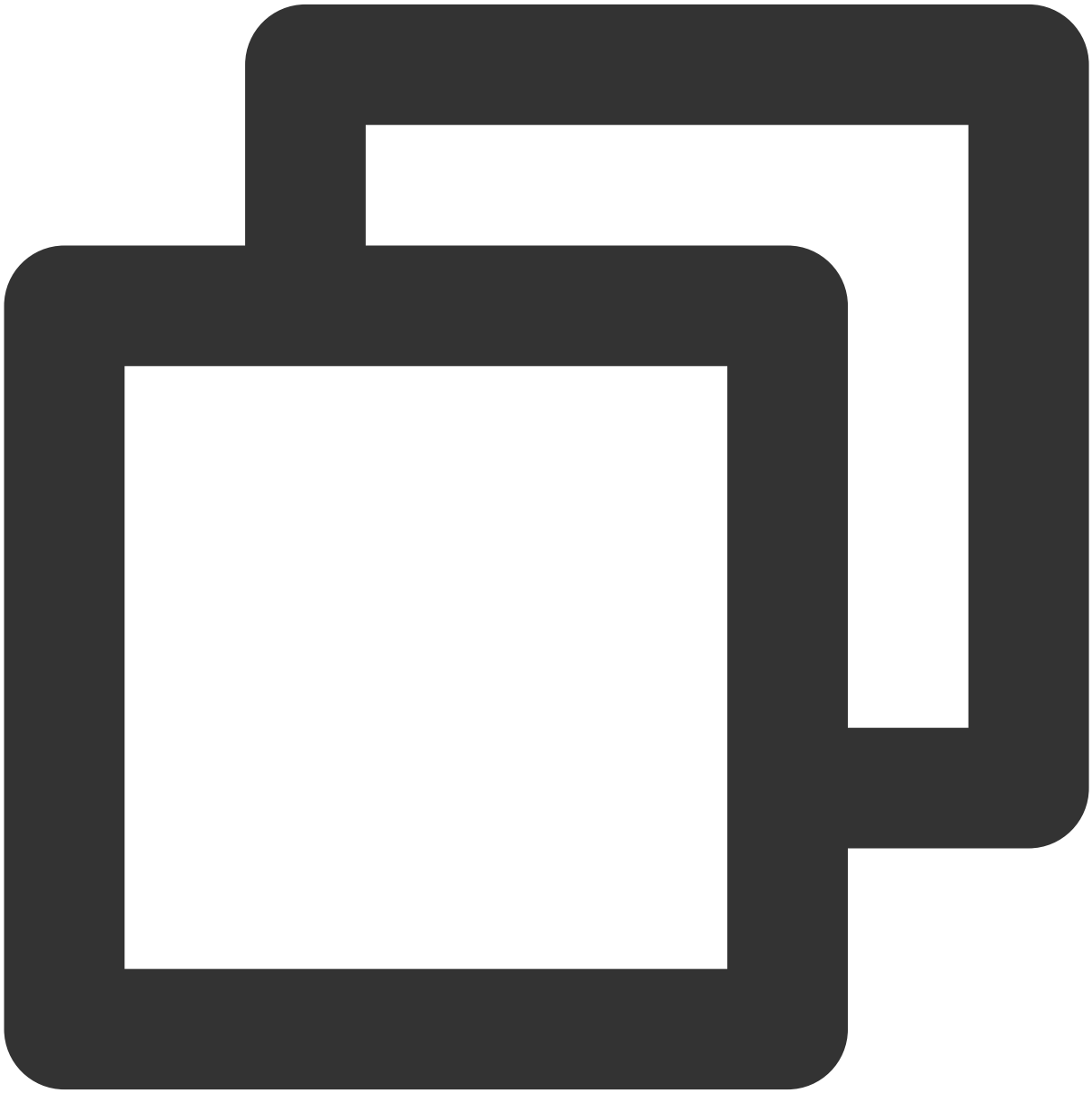
```
        <JobId>j68427030f84611ecb8546d80f2baf56f</JobId>
        <Message>success</Message>
        <Operation>
            <MediaInfo>
                <Format>
                    <Duration>13</Duration>
                    <NumStream>1</NumStream>
                    <Size>1909389</Size>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.653</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>50.000</AvgFps>
                        <Bitrate>1031968</Bitrate>
                        <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                        <CodecName>hevc</CodecName>
                        <CodecTag>0x31637668</CodecTag>
                        <CodecTagString>hvc1</CodecTagString>
                        <CodecTimeBase>1/50</CodecTimeBase>
                        <ColorPrimaries>bt470bg</ColorPrimaries>
                        <ColorRange>tv</ColorRange>
                        <ColorTransfer>smpte170m</ColorTransfer>
                        <Duration>12.960</Duration>
                        <FieldOrder>Unknown</FieldOrder>
                        <Fps>50/1</Fps>
                        <HasBFrame>4</HasBFrame>
                        <Height>960</Height>
                        <Index>0</Index>
                        <Language>und</Language>
                        <Level>4</Level>
```

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```
                        <NumFrames>648</NumFrames>
                        <PixFormat>hvc1</PixFormat>
                        <Profile>Main</Profile>
                        <RefFrames>1</RefFrames>
                        <Rotation>0</Rotation>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/12800</Timebase>
                        <Width>540</Width>
                    </Video>
                </Stream>
            </MediaInfo>
            <MediaResult>
                <OutputFile>
                    <Bucket>test-123456789</Bucket>
                    <Md5Info>
                        <Md5>2db78d168edf2f883adce89a1b4ca033</Md5>
                        <ObjectName>output/high_speed.mp4</ObjectName>
                    </Md5Info>
                    <ObjectName>output/high_speed.mp4</ObjectName>
                    <ObjectPrefix/>
                    <Region>ap-chongqing</Region>
                </OutputFile>
            </MediaResult>
            <Output>
                <Bucket>test-123456789</Bucket>
                <Object>output/high_speed.mp4</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
            <TemplateName>high_993874</TemplateName>
            <UserData>This is my HighSpeedHd job.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <Progress>100</Progress>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:42+0800</StartTime>
        <State>Success</State>
        <Tag>Transcode</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-06-30T15:29:42+0800</CreationTime>
        <EndTime>2022-06-30T15:30:08+0800</EndTime>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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```
                <Key>Content-Type</Key>
                <Value>video/mp4</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1424687</Value>
            </CosHeaders>
        </Input>
        <JobId>j68427030f84611ecb8546d80f2baf56f</JobId>
        <Message>success</Message>
        <Operation>
            <MediaInfo>
                <Format>
                    <Duration>13</Duration>
                    <NumStream>1</NumStream>
                    <Size>1909389</Size>
                </Format>
                <Stream>
                    <Audio>
                        <Bitrate>128000</Bitrate>
                        <Channel>2</Channel>
                        <ChannelLayout>stereo</ChannelLayout>
                        <CodecLongName>AAC (Advanced Audio Coding)</CodecLongName>
                        <CodecName>aac</CodecName>
                        <CodecTag>0x6134706d</CodecTag>
                        <CodecTagString>mp4a</CodecTagString>
                        <CodecTimeBase>1/44100</CodecTimeBase>
                        <Duration>13.653</Duration>
                        <Index>1</Index>
                        <Language>und</Language>
                        <SampleFmt>fltp</SampleFmt>
                        <SampleRate>44100</SampleRate>
                        <StartTime>0.000000</StartTime>
                        <Timebase>1/44100</Timebase>
                    </Audio>
                    <Subtitle/>
                    <Video>
                        <AvgFps>50.000</AvgFps>
                        <Bitrate>1031968</Bitrate>
```

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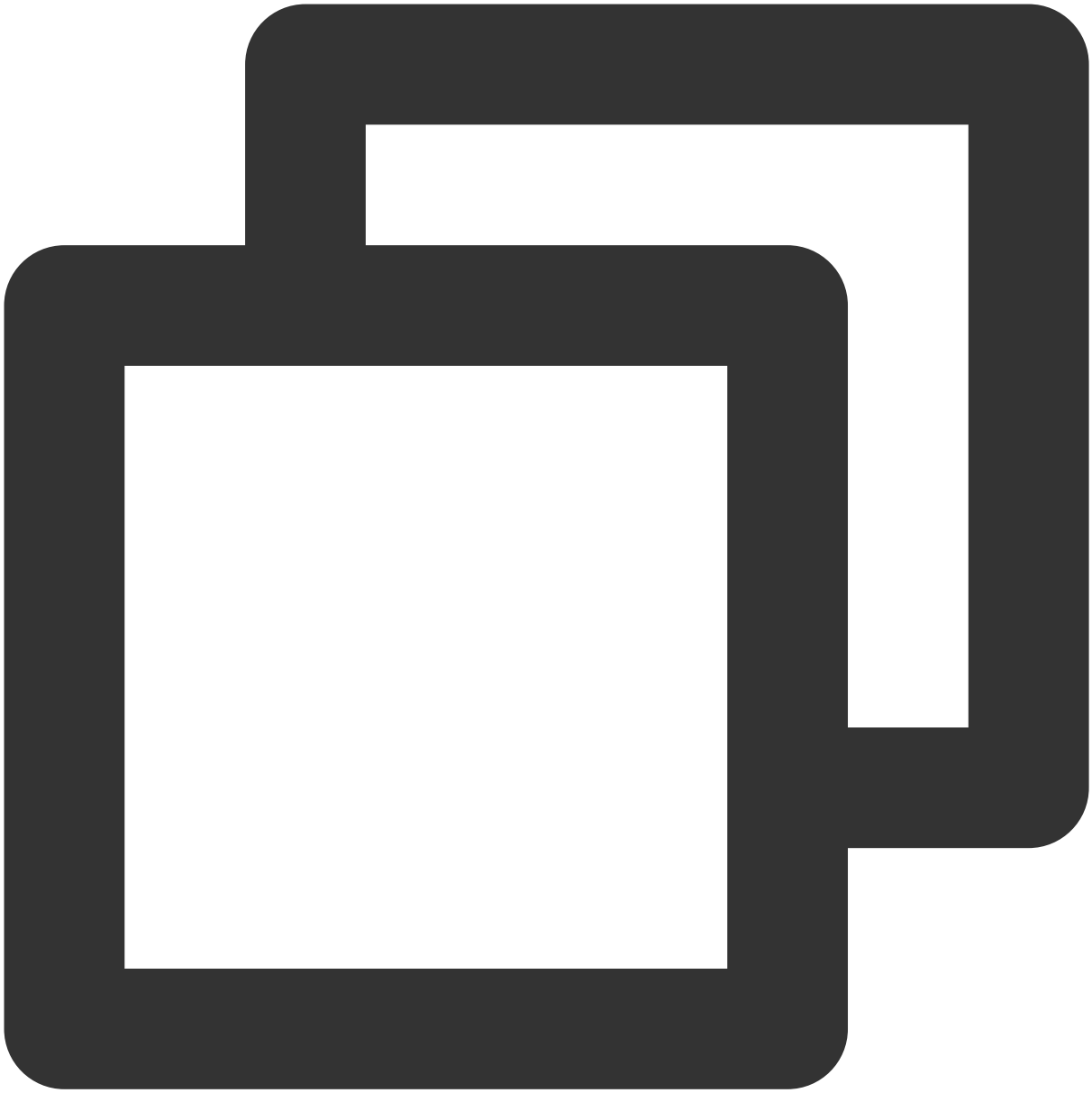
```
                    <CodecLongName>H.265 / HEVC (High Efficiency Video Coding)<
                    <CodecName>hevc</CodecName>
                    <CodecTag>0x31637668</CodecTag>
                    <CodecTagString>hvc1</CodecTagString>
                    <CodecTimeBase>1/50</CodecTimeBase>
                    <ColorPrimaries>bt470bg</ColorPrimaries>
                    <ColorRange>tv</ColorRange>
                    <ColorTransfer>smpte170m</ColorTransfer>
                    <Duration>12.960</Duration>
                    <FieldOrder>Unknown</FieldOrder>
                    <Fps>50/1</Fps>
                    <HasBFrame>4</HasBFrame>
                    <Height>960</Height>
                    <Index>0</Index>
                    <Language>und</Language>
                    <Level>4</Level>
                    <NumFrames>648</NumFrames>
                    <PixFormat>hvc1</PixFormat>
                    <Profile>Main</Profile>
                    <RefFrames>1</RefFrames>
                    <Rotation>0</Rotation>
                    <StartTime>0.000000</StartTime>
                    <Timebase>1/12800</Timebase>
                    <Width>540</Width>
                </Video>
            </Stream>
        </MediaInfo>
        <MediaResult>
            <OutputFile>
                <Bucket>test-123456789</Bucket>
                <Md5Info>
                    <Md5>2db78d168edf2f883adce89a1b4ca033</Md5>
                    <ObjectName>output/high_speed.mp4</ObjectName>
                </Md5Info>
                <ObjectName>output/high_speed.mp4</ObjectName>
                <ObjectPrefix/>
                <Region>ap-chongqing</Region>
            </OutputFile>
        </MediaResult>
        <Output>
            <Bucket>test-123456789</Bucket>
            <Object>output/high_speed.mp4</Object>
            <Region>ap-chongqing</Region>
        </Output>
        <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
        <TemplateName>high_993874</TemplateName>
        <UserData>This is my HighSpeedHd job.</UserData>
```

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```
            <JobLevel>0</JobLevel>
        </Operation>
        <Progress>100</Progress>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <StartTime>2022-06-30T15:29:42+0800</StartTime>
        <State>Success</State>
        <Tag>Transcode</Tag>
        <Workflow>
            <Name>Transcode_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-06-30T15:29:42+0800",
        "EndTime": "2022-06-30T15:30:08+0800",
        "Input": {
            "BucketId": "test-123456789",
            "Object": "input/demo.mp4",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```


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```
                    "Key": "Content-Type",
                    "Value": "video/mp4"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1424687"
                }
            ]
        },
        "JobId": "j68427030f84611ecb8546d80f2baf56f",
        "Message": "success",
        "Operation": {
            "MediaInfo": {
                "Format": {
                    "Duration": "13",
                    "NumStream": "1",
                    "Size": "1909389"
                },
                "Stream": {
                    "Audio": {
                        "Bitrate": "128000",
                        "Channel": "2",
                        "ChannelLayout": "stereo",
                        "CodecLongName": "AAC (Advanced Audio Coding)",
                        "CodecName": "aac",
                        "CodecTag": "0x6134706d",
                        "CodecTagString": "mp4a",
                        "CodecTimeBase": "1/44100",
                        "Duration": "13.653",
                        "Index": "1",
                        "Language": "und",
                        "SampleFmt": "fltp",
                        "SampleRate": "44100",
                        "StartTime": "0.000000",
                        "Timebase": "1/44100"
                    },
                    "Video": {
                        "AvgFps": "50.000",
                        "Bitrate": "1031968",
```


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```
                    "CodecLongName": "H.265 / HEVC (High Efficiency Video Codin
                    "CodecName": "hevc",
                    "CodecTag": "0x31637668",
                    "CodecTagString": "hvc1",
                    "CodecTimeBase": "1/50",
                    "ColorPrimaries": "bt470bg",
                    "ColorRange": "tv",
                    "ColorTransfer": "smpte170m",
                    "Duration": "12.960",
                    "FieldOrder": "Unknown",
                    "Fps": "50/1",
                    "HasBFrame": "4",
                    "Height": "960",
                    "Index": "0",
                    "Language": "und",
                    "Level": "4",
                    "NumFrames": "648",
                    "PixFormat": "hvc1",
                    "Profile": "Main",
                    "RefFrames": "1",
                    "Rotation": "0",
                    "StartTime": "0.000000",
                    "Timebase": "1/12800",
                    "Width": "540"
                }
            }
        },
        "MediaResult": {
            "OutputFile": {
                "Bucket": "test-123456789",
                "Md5Info": {
                    "Md5": "2db78d168edf2f883adce89a1b4ca033",
                    "ObjectName": "output/high_speed.mp4"
                },
                "ObjectName": "output/high_speed.mp4",
                "Region": "ap-chongqing"
            }
        },
        "Output": {
            "Bucket": "test-123456789",
            "Object": "output/high_speed.mp4",
            "Region": "ap-chongqing"
        },
        "TemplateId": "t1995d523e42df4c5e858f244b4174360c",
        "TemplateName": "high_993874",
        "UserData": "This is my HighSpeedHd job.",
        "JobLevel": 0
```


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```
        },
        "Progress": "100",
        "QueueId": "p2242ab62c7c94486915508540933a2c6",
        "StartTime": "2022-06-30T15:29:42+0800",
        "State": "Success",
        "Tag": "Transcode",
        "Workflow": {
            "Name": "HighSpeedHd_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Image Processing
Submit Image Processing Job
CreatePicJobs

Last updated：2024-02-27 15:42:23

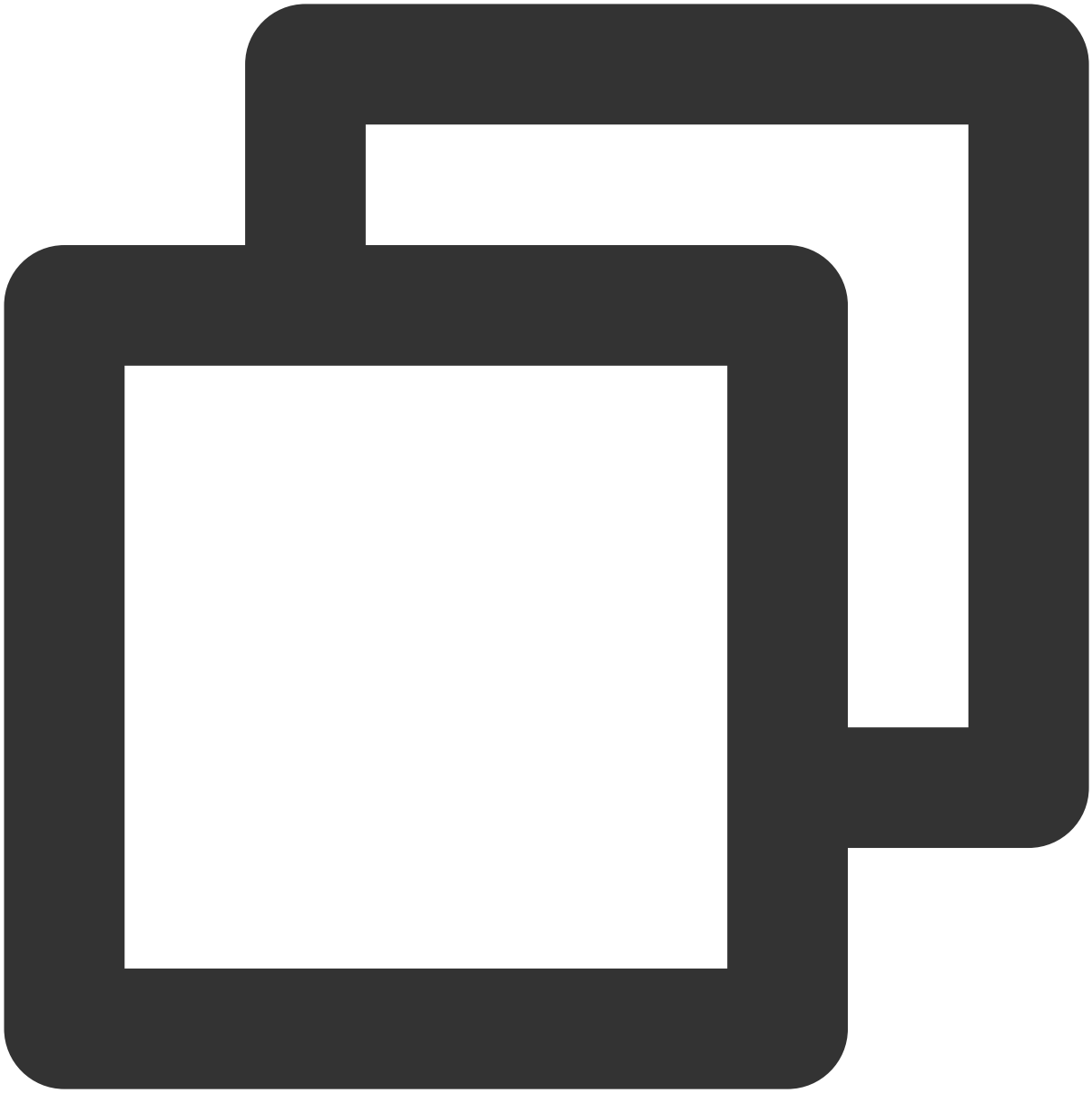
Feature Description

This API is used to submit an image processing job.

Request

Sample request

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```
POST /pic_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

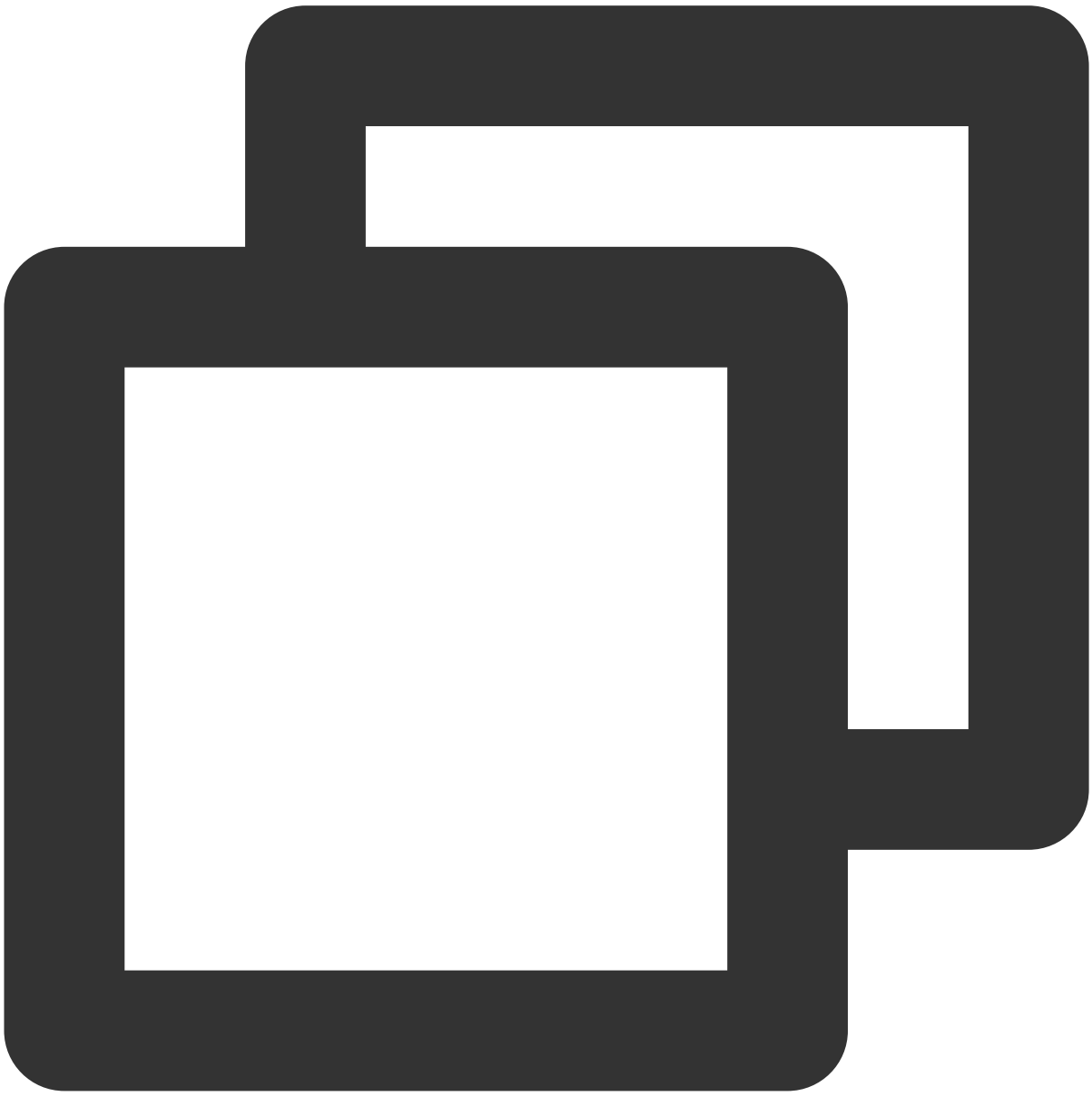
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>PicProcess</Tag>
    <Input>
        <Object>input/deer.jpg</Object>
    <Operation>
        <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.jpg</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2911917386e148639319e13c285cc774</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: PicProcess	String	Yes
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ`. It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure > CallBackMqConfig, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
PicProcess	Request.Operation	Job type parameter. Same as `Request.PicProcess` in the image processing template creation API `CreateMediaTemplate`.	Container	No
TemplateId	Request.Operation	Template ID	String	No
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` (default), `1`, `2`.	String	No

Note:

`TemplateId` is used first. If `TemplateId` is unavailable, the corresponding job type parameter is used.

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required

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Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Result filename.	String	Yes

Response

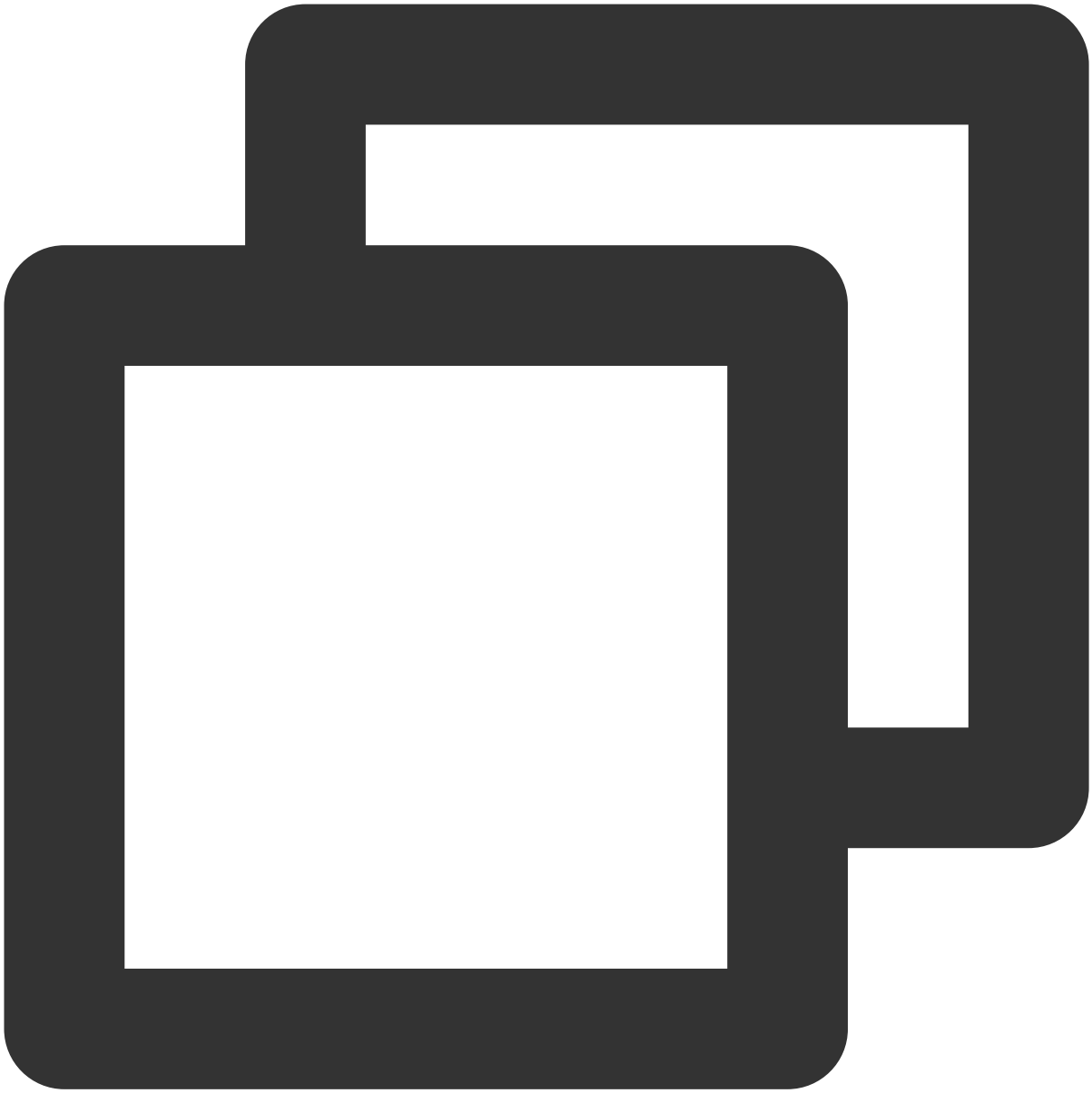
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>c93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>PicProcess</Tag>
```

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```
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
            <TemplateName>test</TemplateName>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job tag: PicProcess	String
State	Response.JobsDetail	Job status. Valid values: `Submitted` ,	String

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		`Running` , `Success` , `Failed` , `Pause` , `Cancel` .	
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue which the job is in	String
Input	Response.JobsDetail	Input resource address of the job	Container
Operation	Response.JobsDetail	Operation rule	Container

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Region	Response.JobsDetail.Input	Bucket region	String
Bucket	Response.JobsDetail.Input	Result storage bucket	String
Object	Response.JobsDetail.Input	Output result filename	String

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.JobsDetail.Operation	Job template ID	String
TemplateName	Response.JobsDetail.Operation	Job template name, which will be returned if `TemplateId` exists.	String
PicProcess	Response.JobsDetail.Operation	Same as `Request.Operation.PicProcess` in the request.	Container
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Container
PicProcessResult	Response.JobsDetail.Operation	Output image information. This node will not be returned when there is no output.	Container
UserData	Response.JobsDetail.Operation	The user information passed through.	String

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`PicProcessResult` has the following sub-nodes:

Same as the `UploadResult` node in the persistent image processing API.

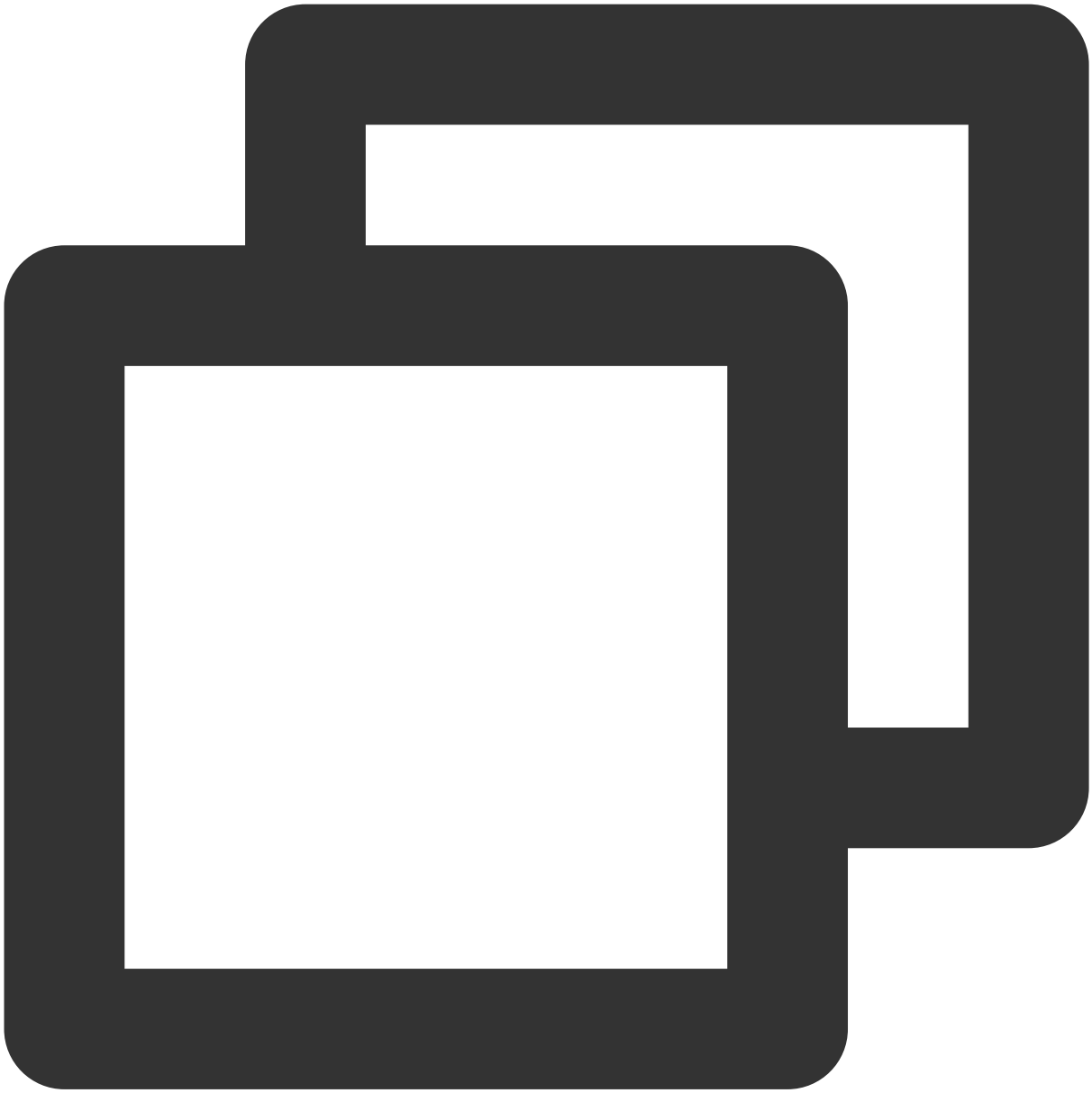
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1: Using the image processing template ID

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```
POST /pic_jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

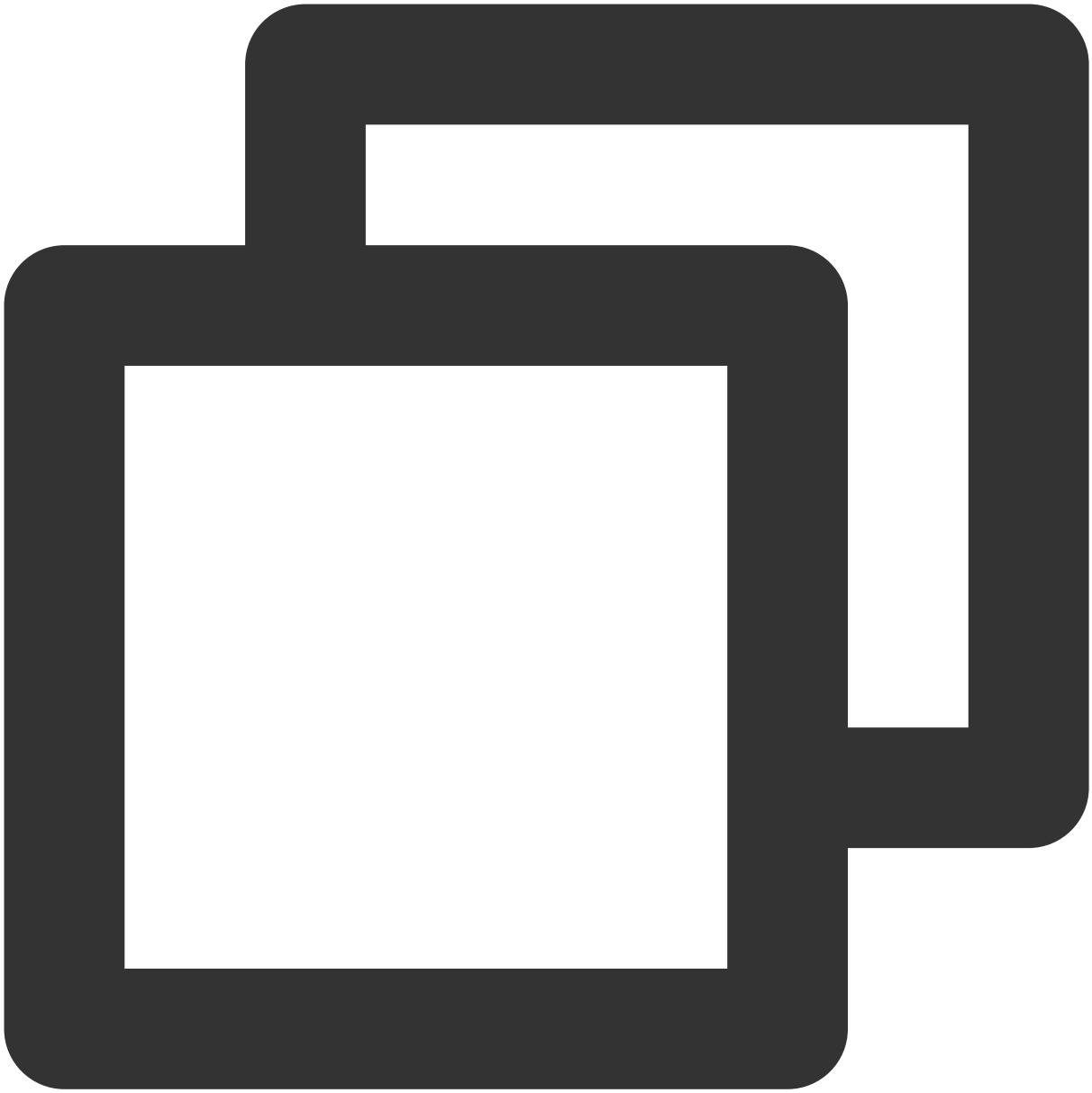
<Request>
    <Tag>PicProcess</Tag>
    <Input>
        <Object>input/deer.jpg</Object>
    <Operation>
```

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```
        <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/out.jpg</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>p2911917386e148639319e13c285cc774</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

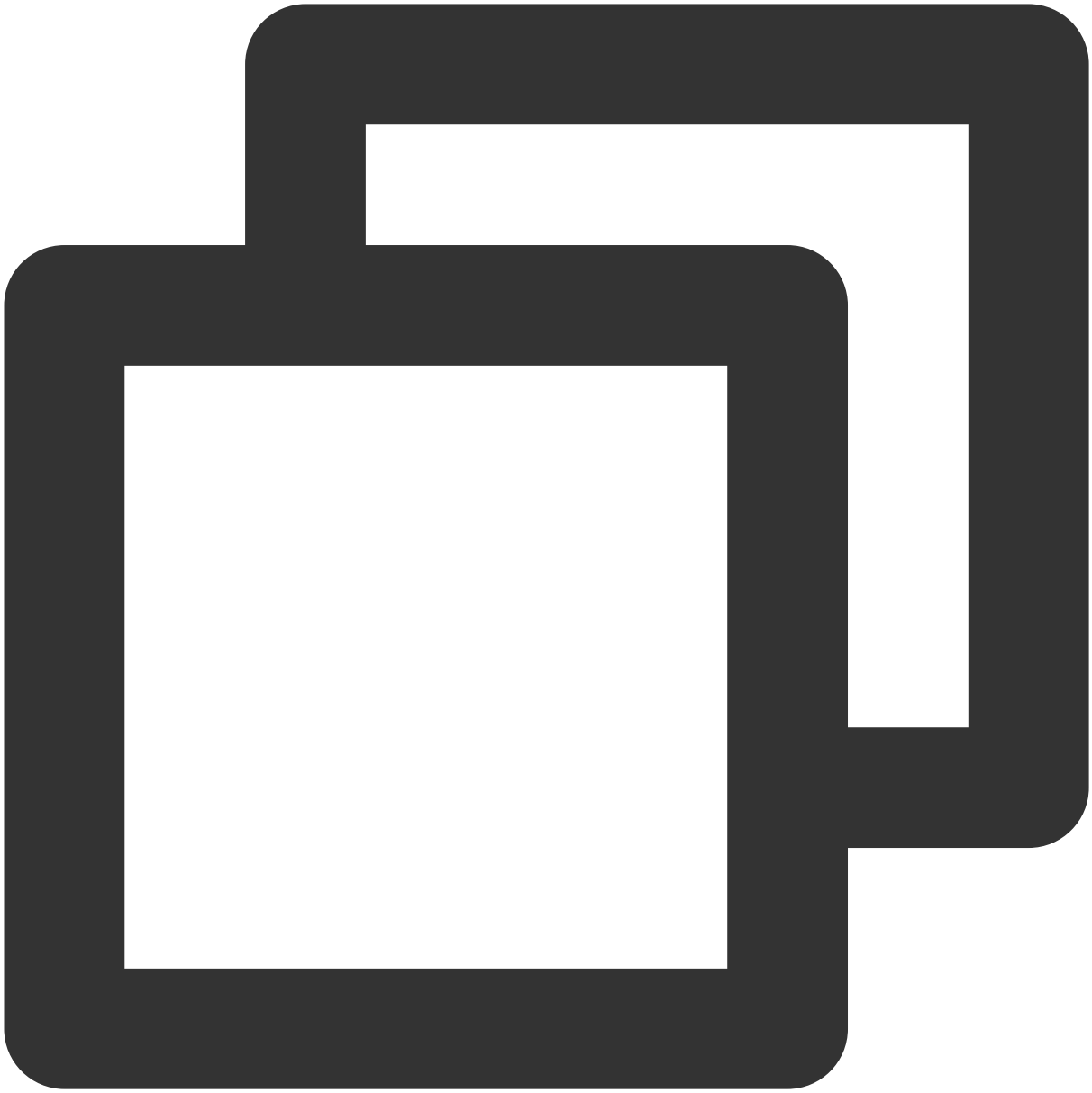
<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>c93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>PicProcess</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
            <TemplateName>test</TemplateName>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

Request 2: Using the image processing parameter

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```
POST /pic_jobs HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:test-1234567890.ci.ap-chongqing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

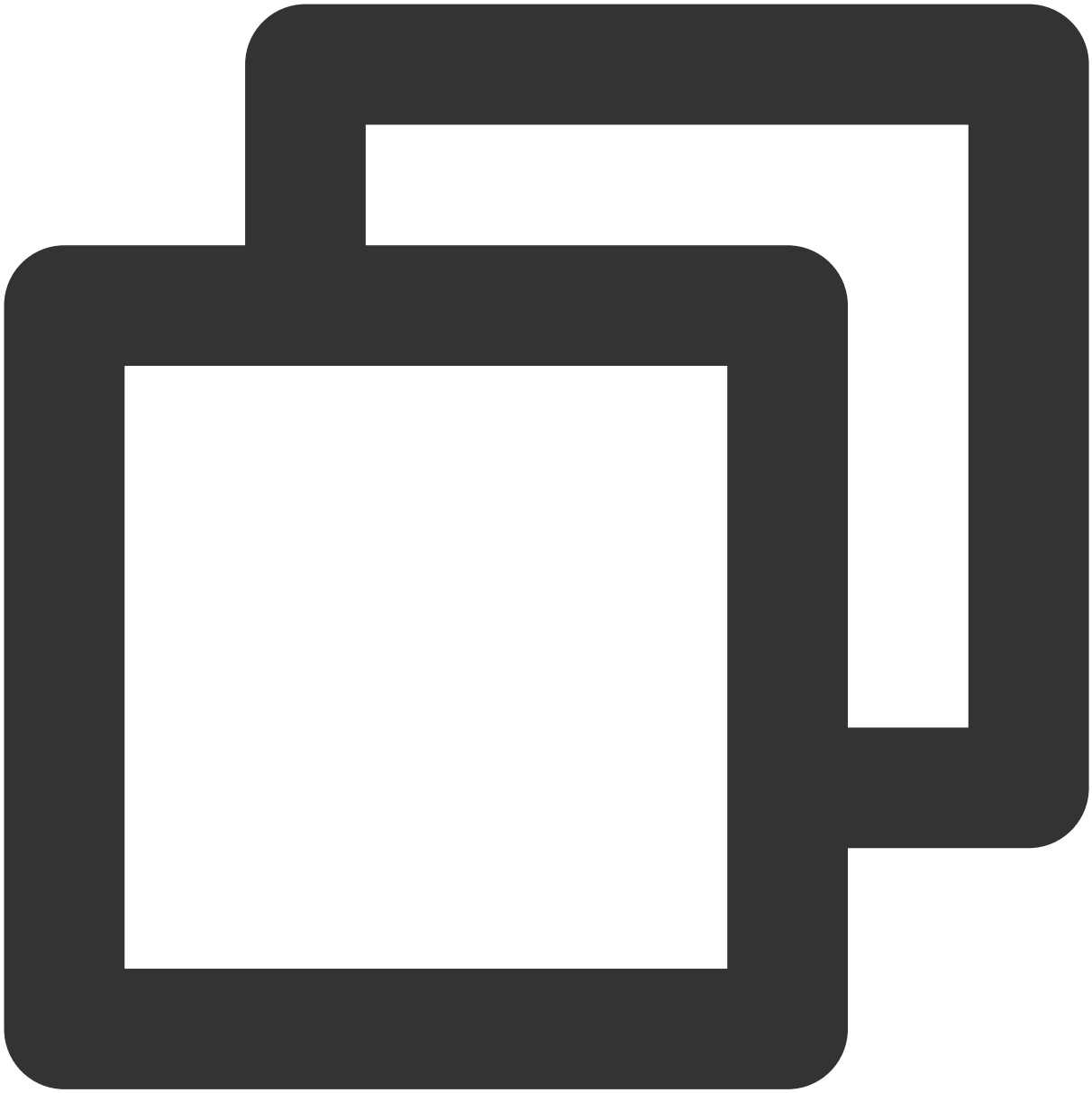
<Request>
    <Tag>PicProcess</Tag>
    <Input>
        <Object>input/deer.jpg</Object>
    <Operation>
```

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```
          <PicProcess>
             <IsPicInfo>true</IsPicInfo>
             <ProcessRule>imageMogr2/rotate/90</ProcessRule>
          </PicProcess>
          <Output>
             <Region>ap-chongqing</Region>
             <Bucket>test-123456789</Bucket>
             <Object>output/out.jpg</Object>
          </Output>
          <UserData>This is my data.</UserData>
          <JobLevel>0</JobLevel>
      </Operation>
      <QueueId>p2911917386e148639319e13c285cc774</QueueId>
      <CallBack>http://callback.demo.com</CallBack>
      <CallBackFormat>JSON<CallBackFormat>
  </Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>c93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>PicProcess</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <PicProcess>
                <IsPicInfo>true</IsPicInfo>
                <ProcessRule>imageMogr2/rotate/90</ProcessRule>
            </PicProcess>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Canceling Image Processing Job CancelPicJob

Last updated：2024-02-27 15:42:23

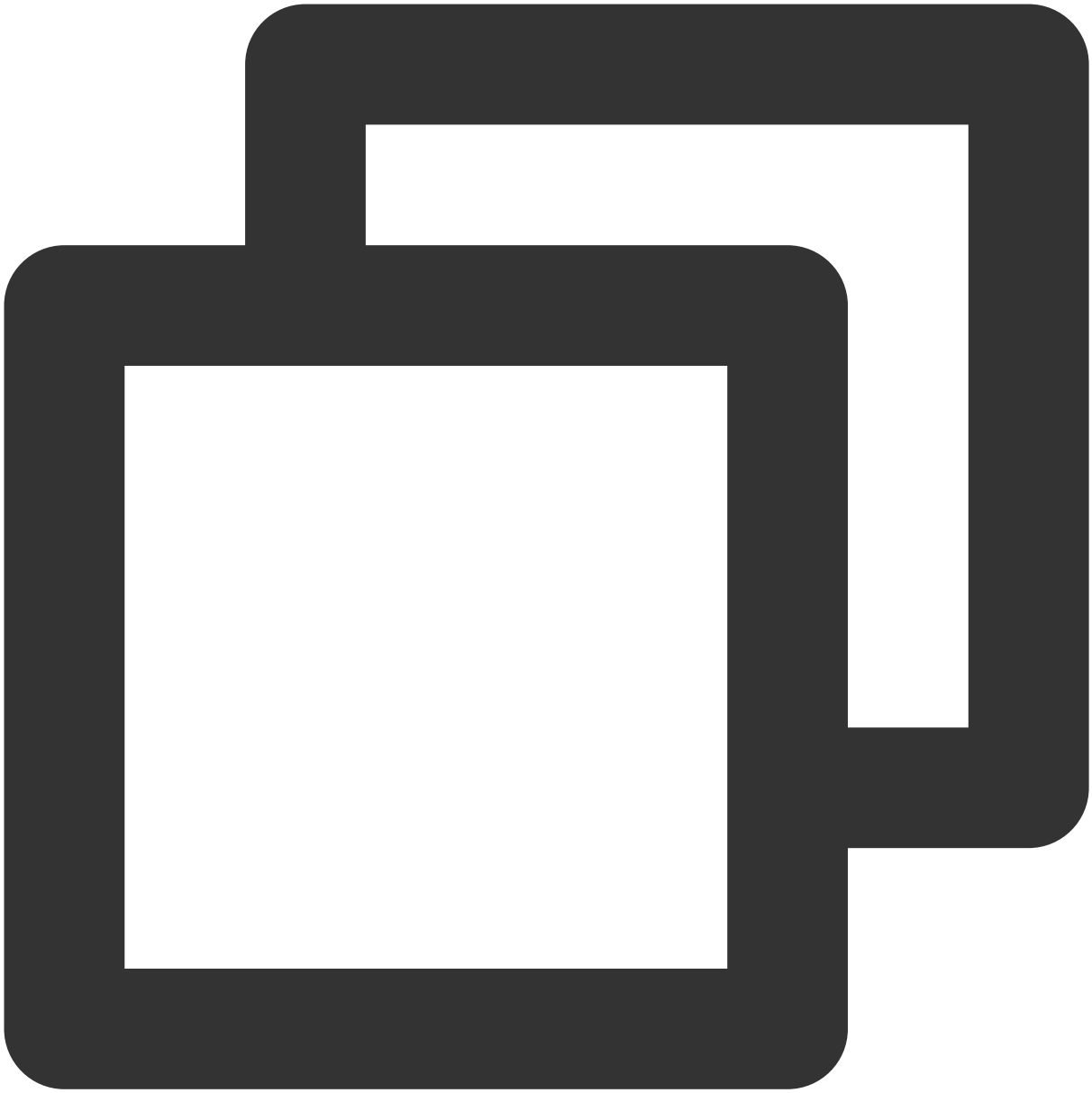
Feature Description

This API is used to cancel a job. Only pending jobs can be canceled.

Request

Sample request

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```
PUT /jobs/<jobId>?cancel HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

This request has no response body.

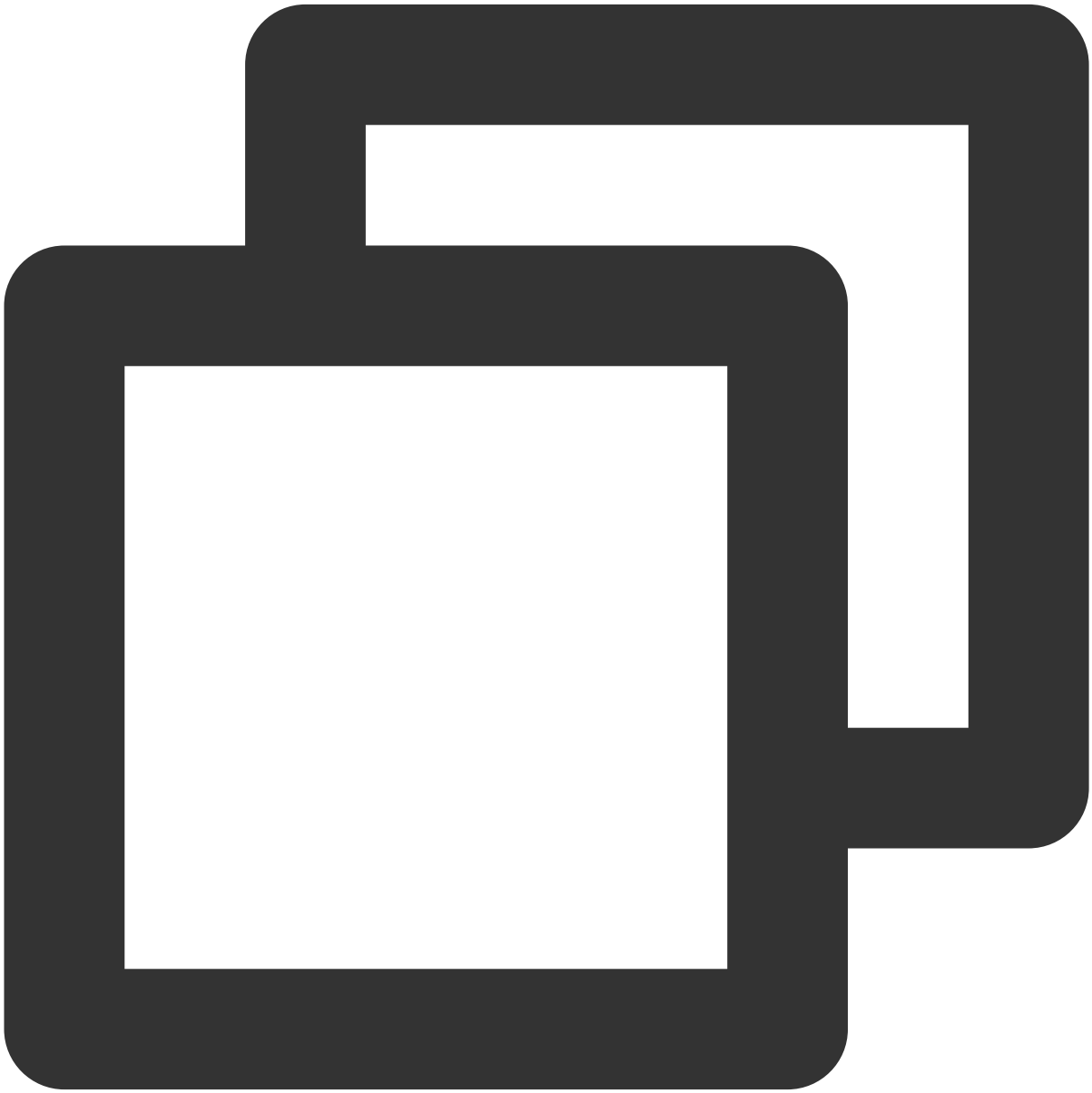
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

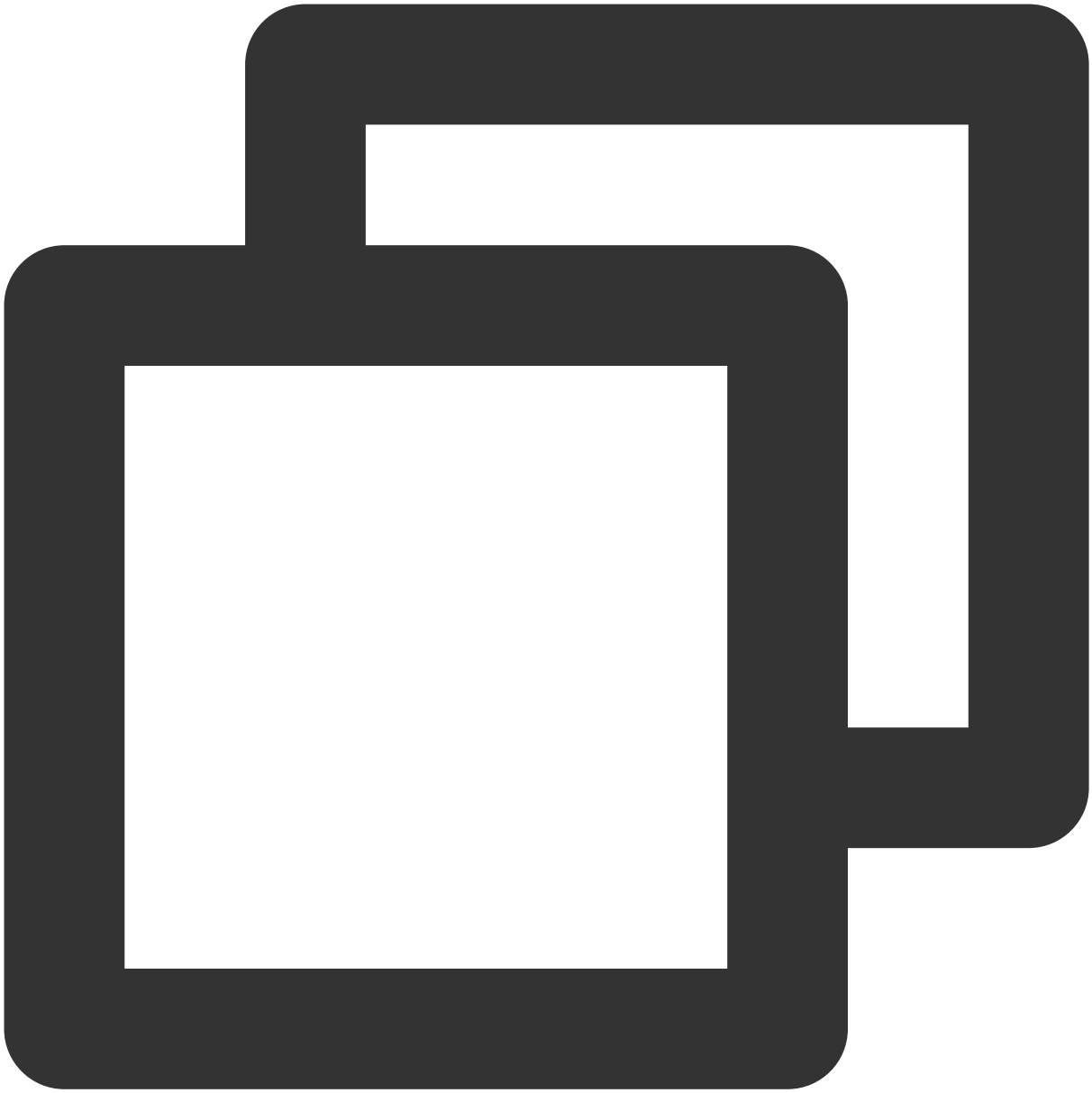
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```
PUT /jobs/c93984788066911ed89ed352d4d9d2084?cancel HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Length: 0
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=
```

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Querying Image Processing Job DescribePicJob

Last updated：2024-02-27 15:42:23

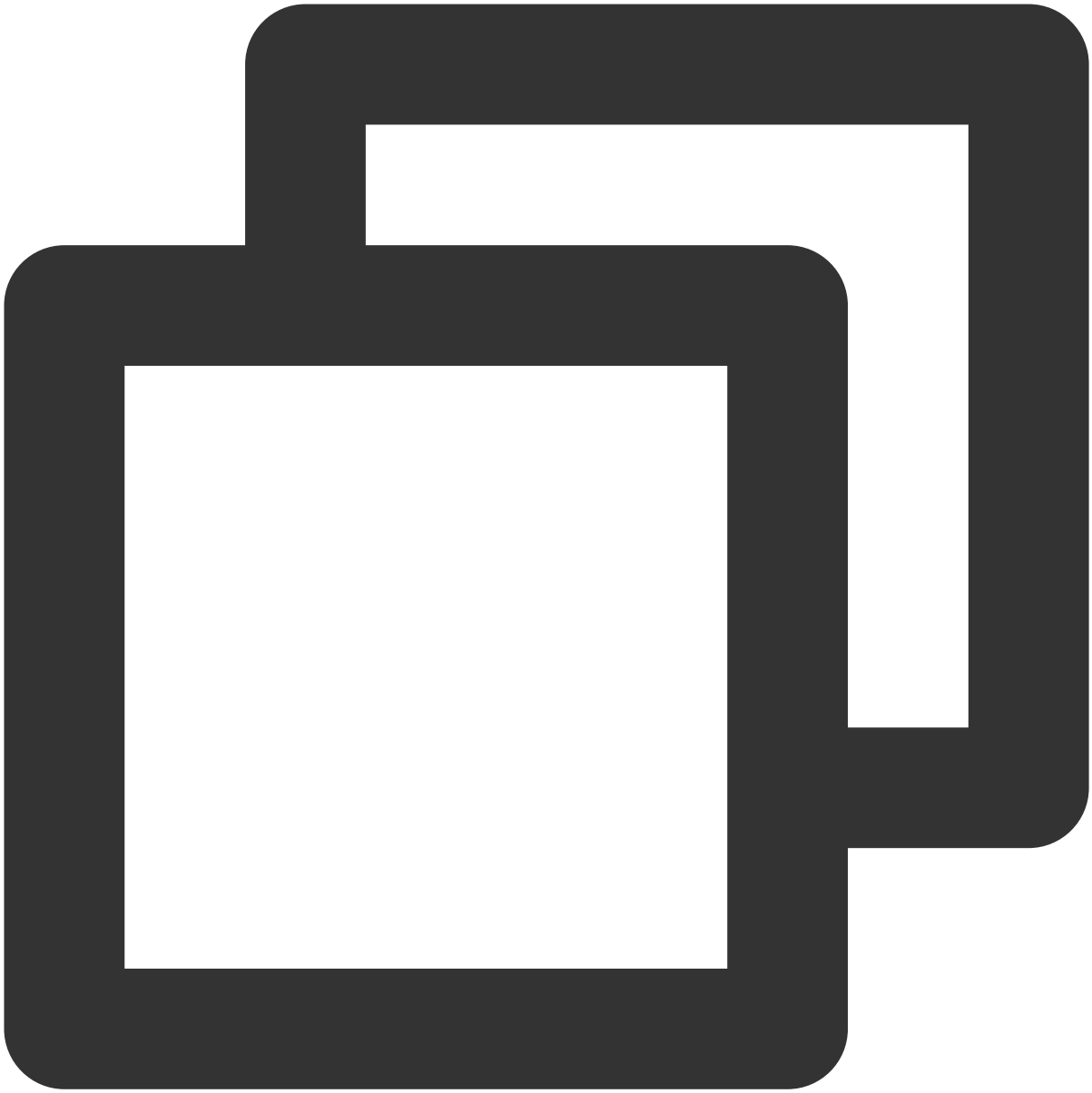
Feature Description

This API is used to query a specified job.

Request

Sample request

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```
GET /pic_jobs/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

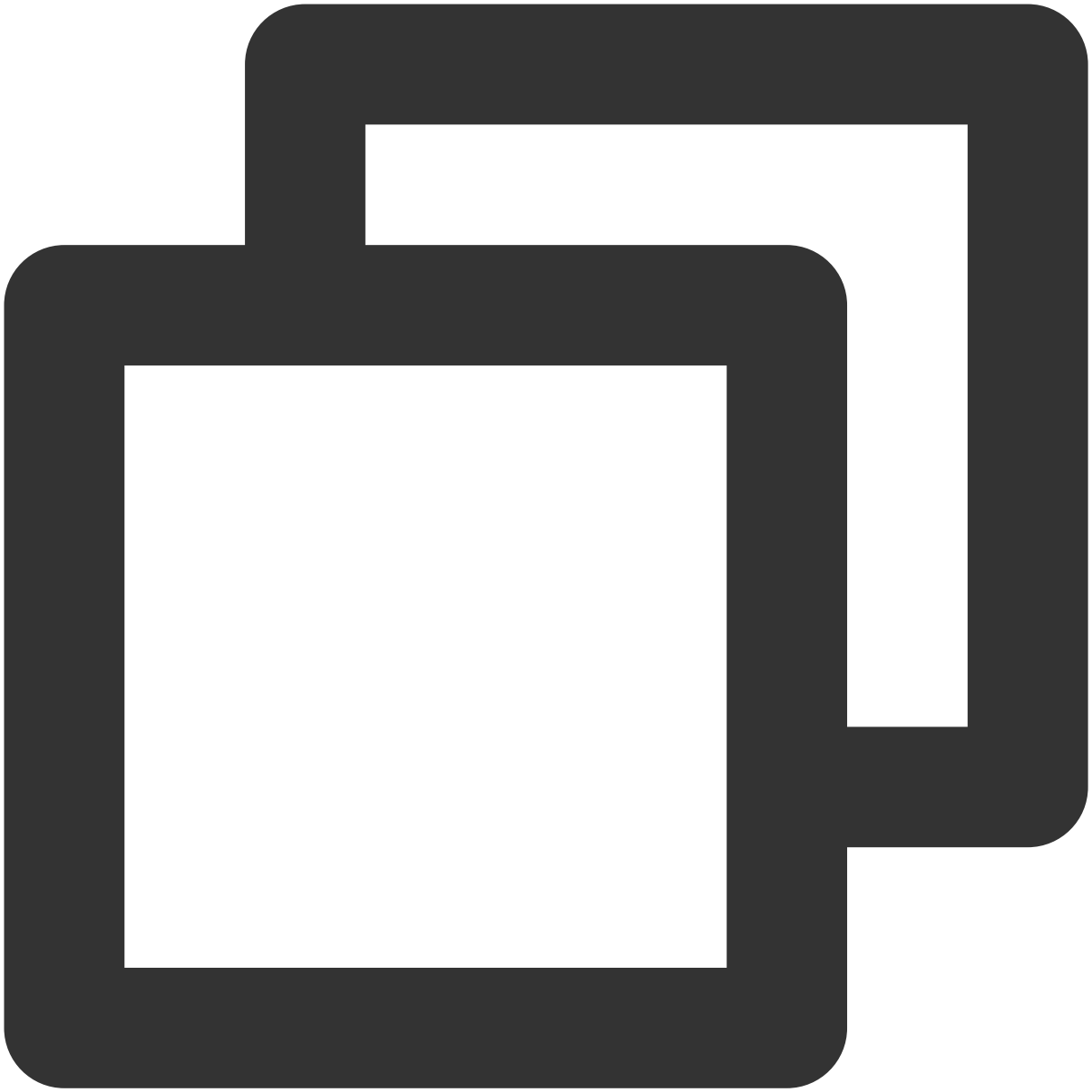
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
  <JobsDetail>
  </JobsDetail>
  <NonExistJobIds></NonExistJobIds>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container array
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node will not be returned.	String

The content of `JobsDetail` varies by job type. For more information, see the following documents:
CreatePicJobs

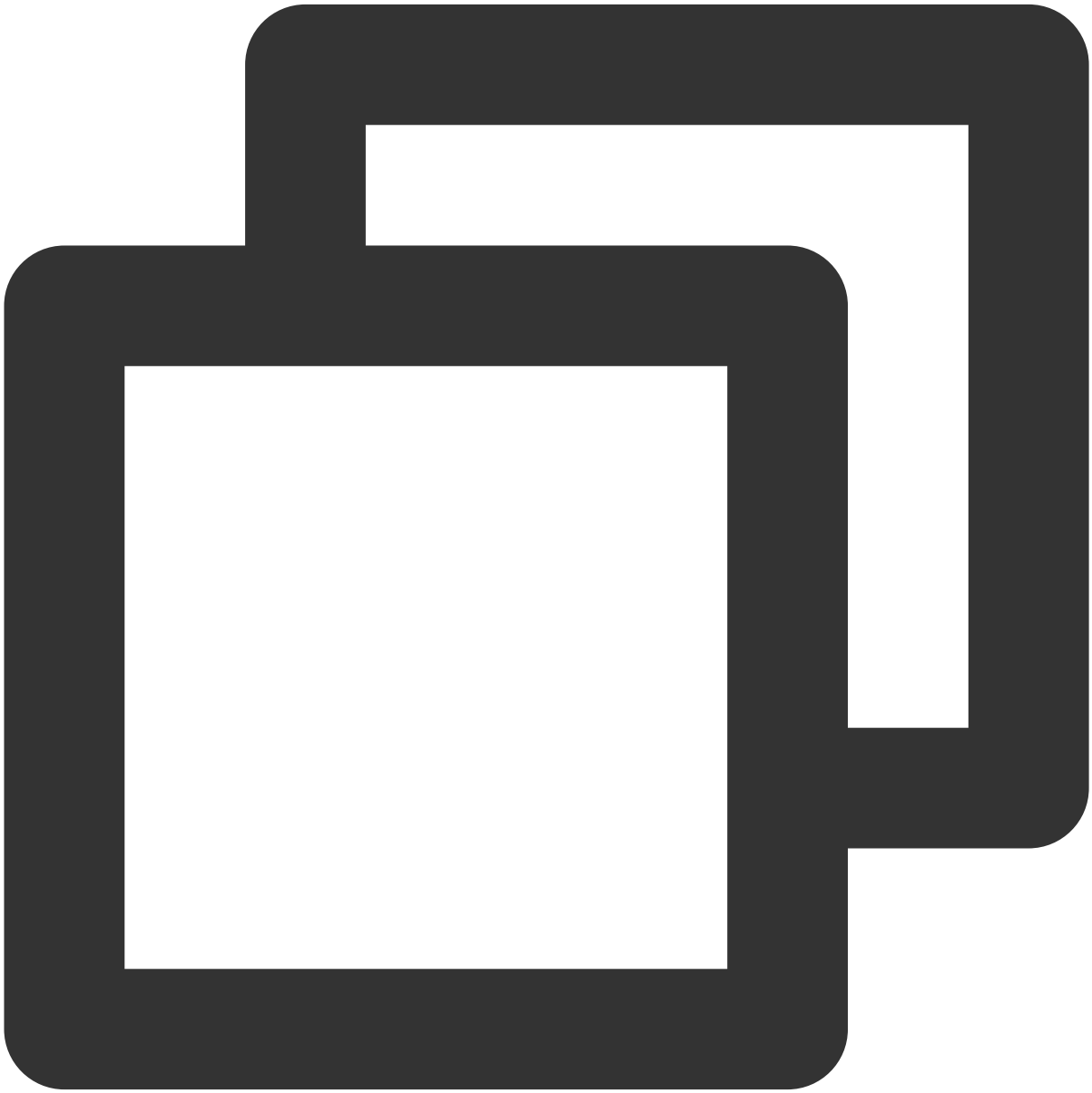
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

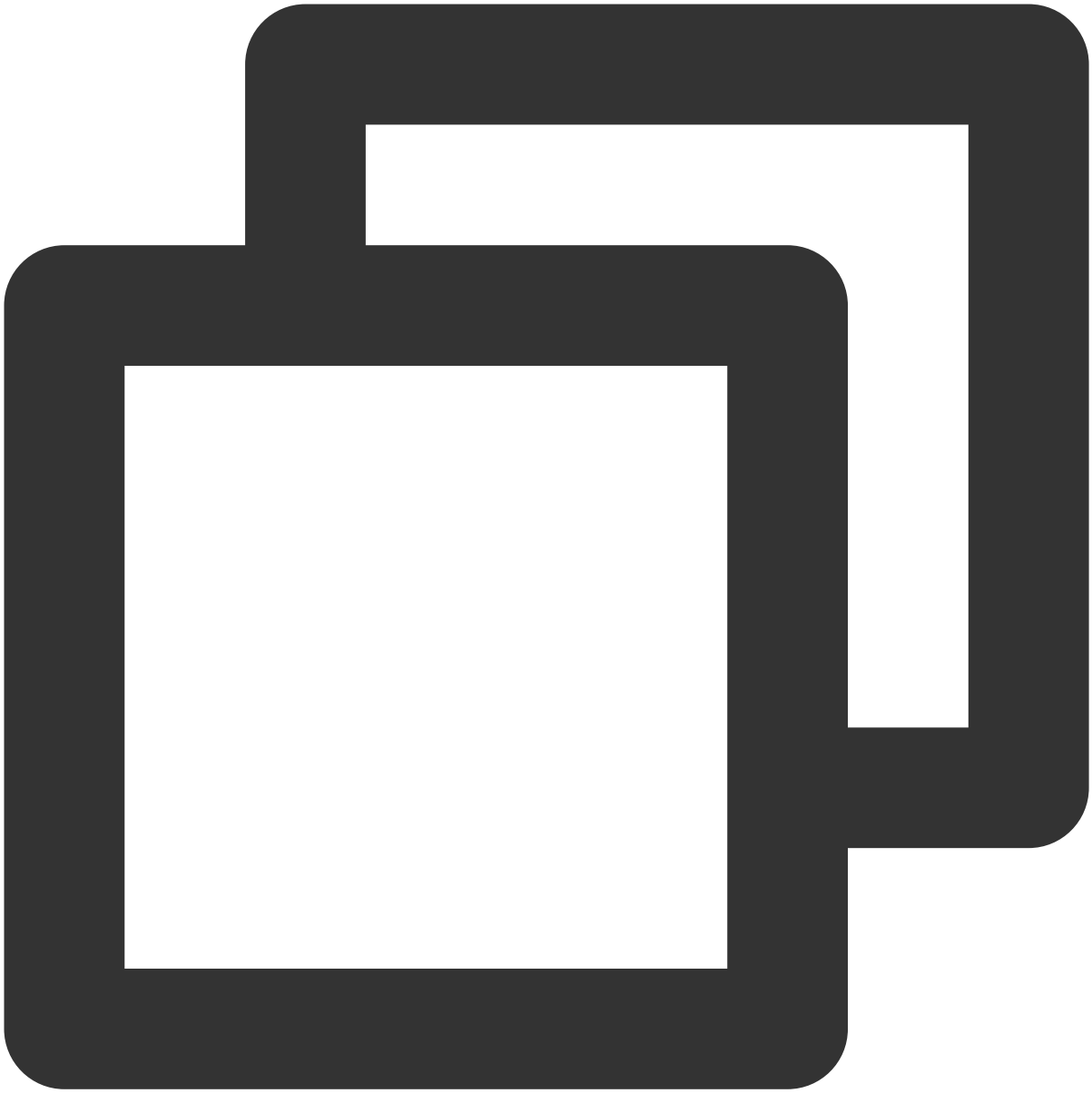
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```
GET /pic_jobs/c93984788066911ed89ed352d4d9d2084 HTTP/1.1
Accept: */*
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>c93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>PicProcess</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
            <TemplateName>test</TemplateName>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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DescribePicJobs

Last updated：2024-02-27 15:42:23

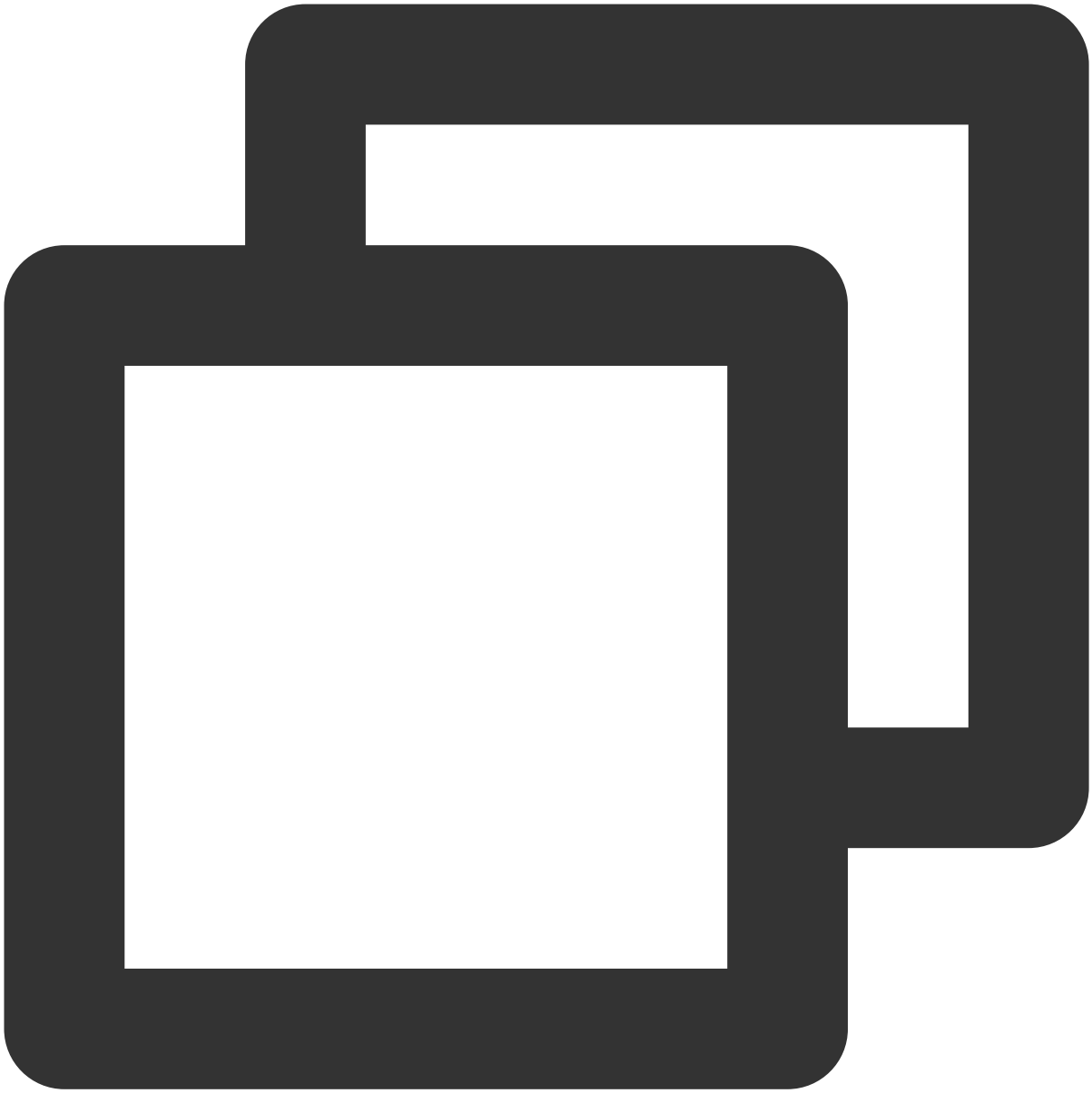
Feature Description

The API is used to pull jobs that meet specified conditions.

Request

Sample request

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```
GET /pic_jobs?size=&states=&queueId=&startCreationTime=&endCreationTime= HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Request parameters

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
queueId	None	ID of the queue from which jobs are pulled.	String	Yes
tag	None	Job tag	String	Yes
workflowId	None	ID of the workflow triggering this job	String	No
inventoryTriggerJobId	None	ID of the batch data processing job triggering this job	String	No
inputObject	None	Name of the input file for this job, which currently supports only exact match.	String	No
orderByTime	None	`Desc` (default) or `Asc`	String	No
nextToken	None	Context token for pagination	String	No
size	None	Maximum number of jobs that can be pulled. The default value is `10` . The maximum value is `100` .	Integer	No
states	None	Status of the jobs to pull. If you enter multiple job statuses, separate them by comma. Valid values: `All` (default), `Submitted` , `Running` , `Success` , `Failed` , `Pause` , `Cancel` .	String	No
startCreationTime	None	Start time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z` , such as `2001-01-01T00:00:00+0800`	String	No
endCreationTime	None	End time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z` ,	String	No

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		such as `2001-01-01T23:59:59+0800`		

Supported `tag` types are as follows:

Job type	`tag`
Image processing	PicProcess

Response

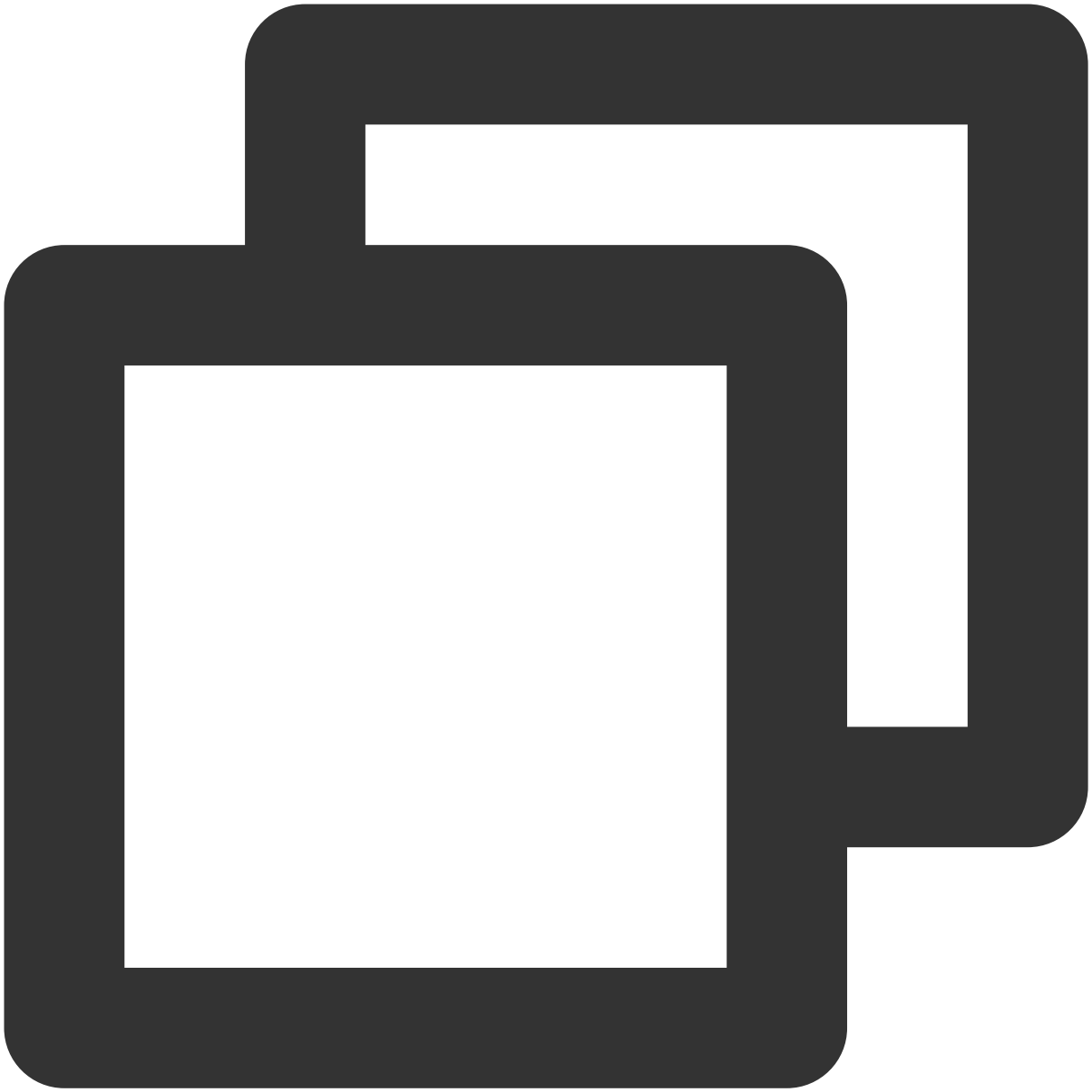
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        ...
    </JobsDetail>
    <NextToken></NextToken>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type

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Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container array
NextToken	Response	Context token for pagination	String

The content of `JobsDetail` varies by job type. For more information, see the following documents:
CreatePicJobs

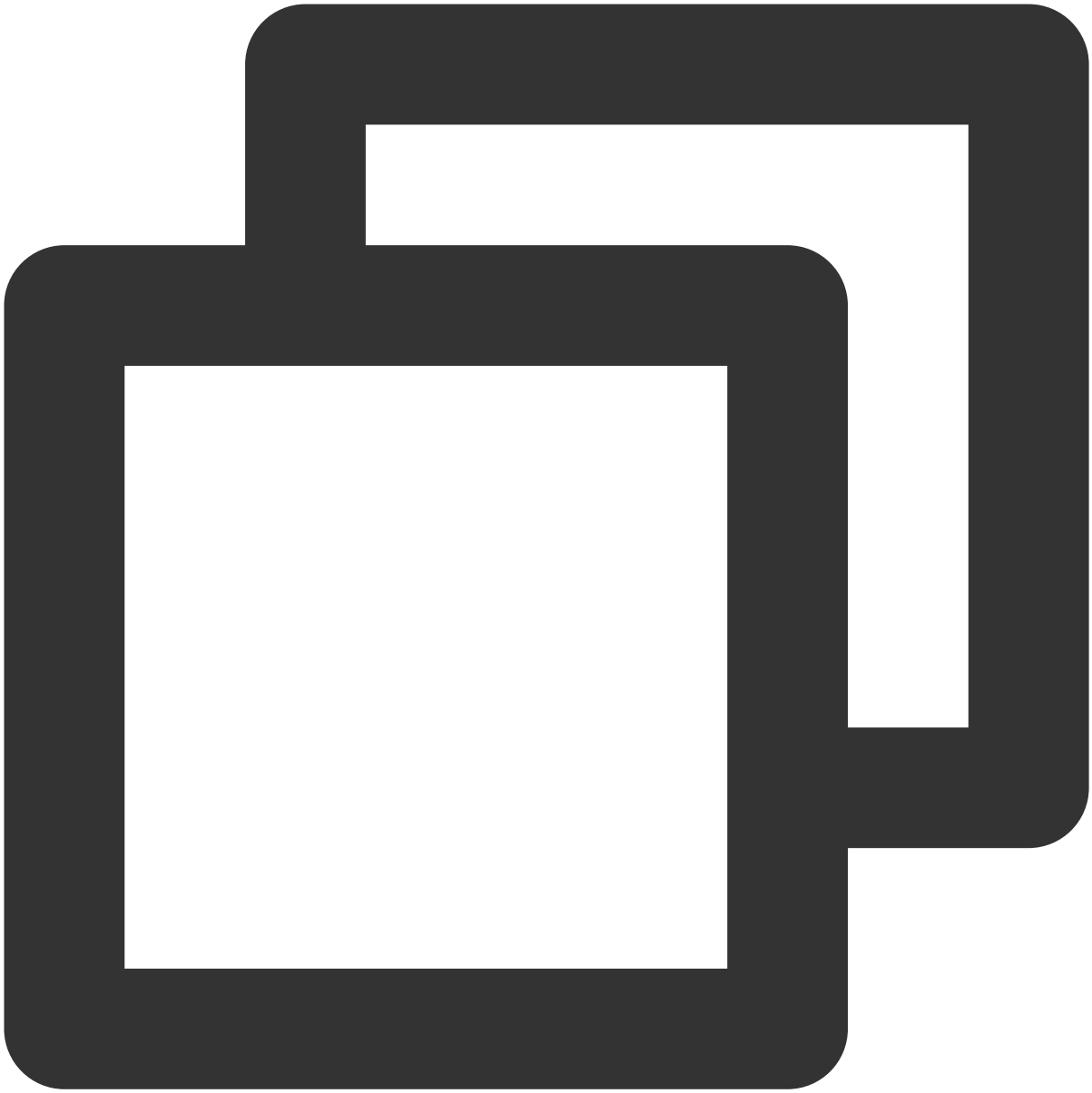
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

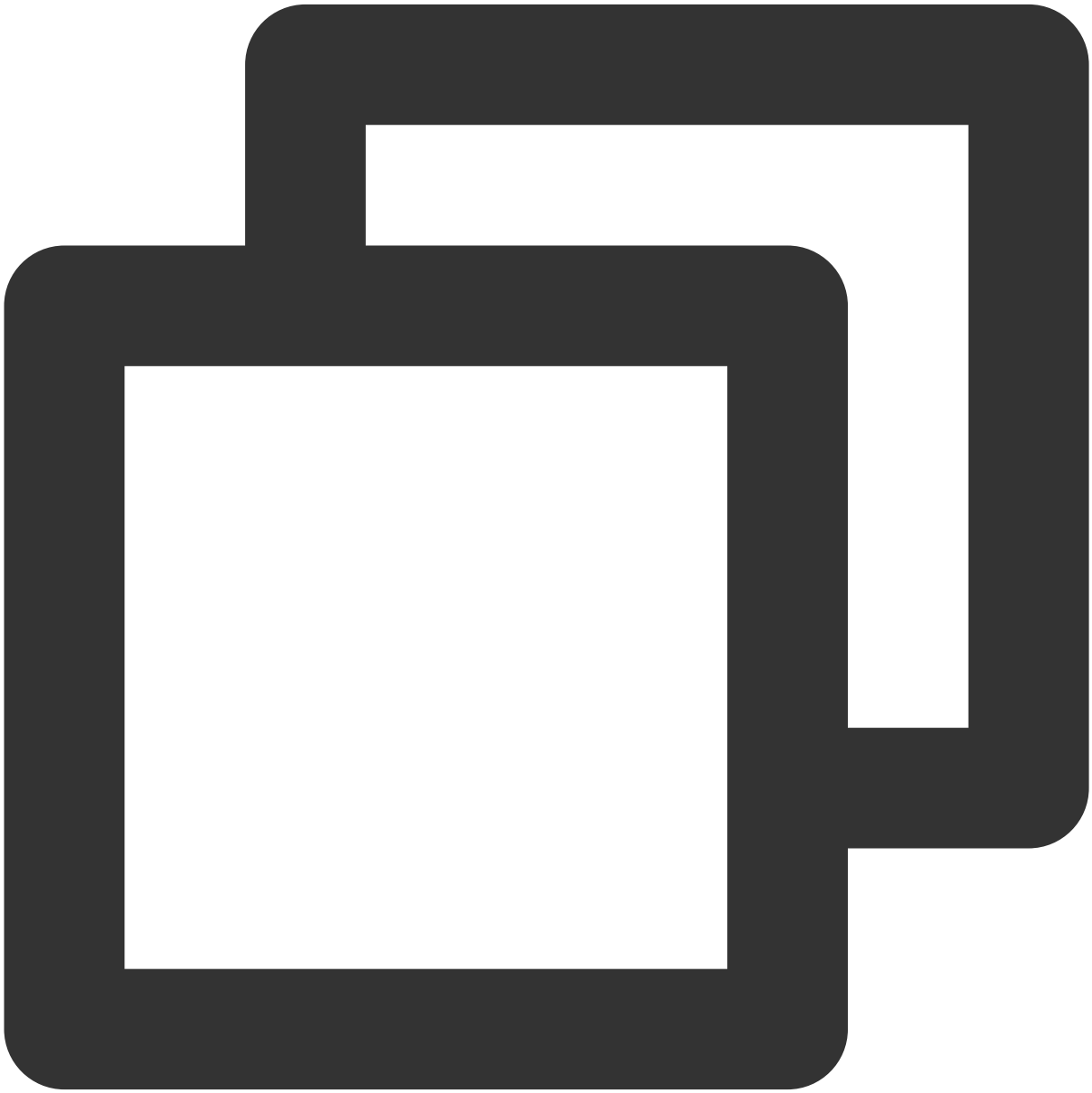
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```
GET /pic_jobs?queueId=p2911917386e148639319e13c285cc774&tag=PicProcess HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 18 Jul 2022 19:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>c93984788066911e689ed352d4d9d2ghd4</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>PicProcess</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
            <TemplateName>test</TemplateName>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>c93984788066911ed89ed352d4d9d2084</JobId>
        <State>Submitted</State>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>-</EndTime>
        <StartTime>-</StartTime>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <Tag>PicProcess</Tag>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <PicProcess>
```

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```
                <IsPicInfo>true</IsPicInfo>
                <ProcessRule>imageMogr2/rotate/90</ProcessRule>
            </PicProcess>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Image Processing Callback

Last updated：2024-02-27 15:42:23

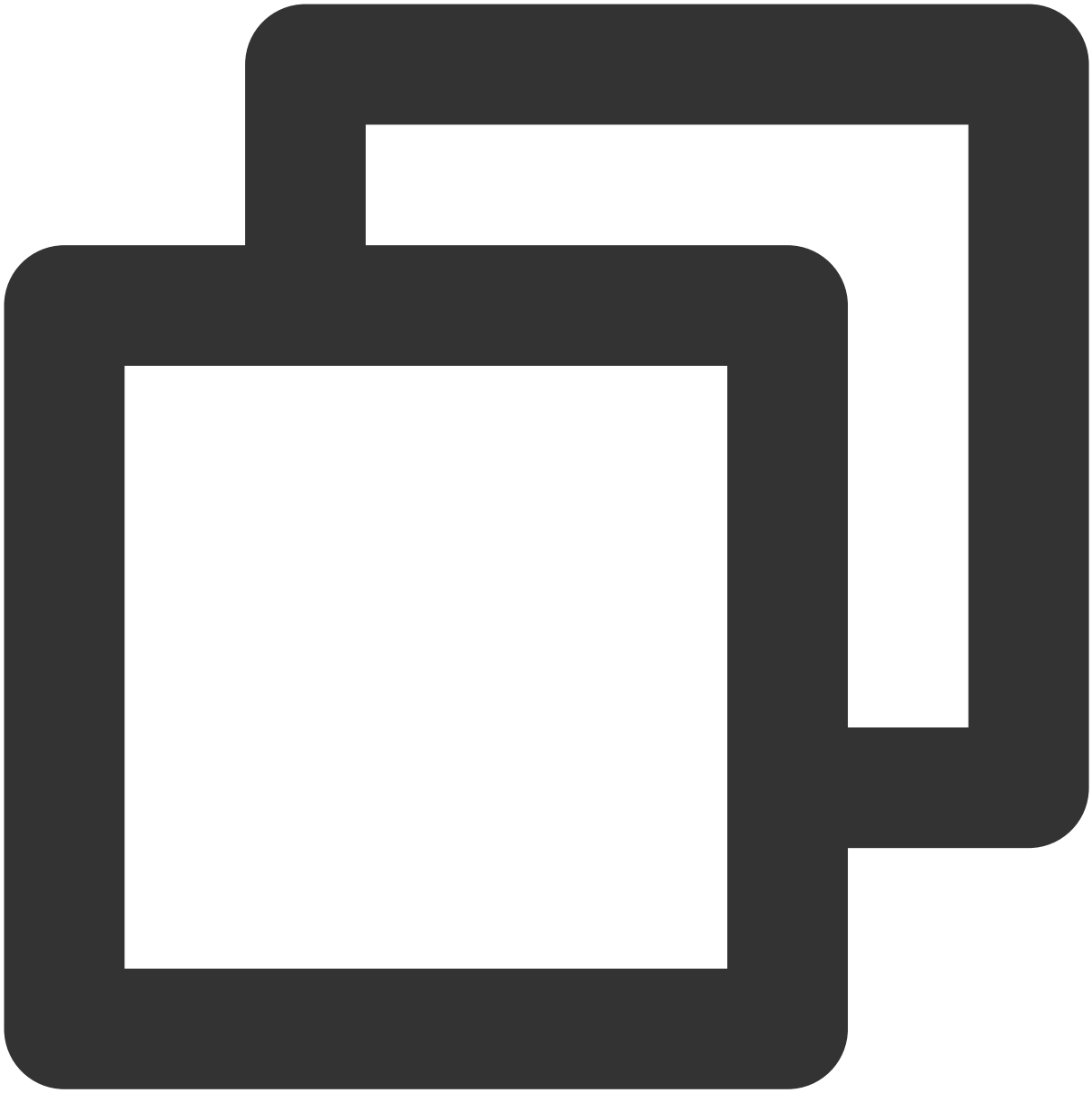
Feature Description

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request with the body containing notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the configured callback URL. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>2022-07-18T15:16:44+0800</EndTime>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>c93984788066911ed89ed352d4d9d2084</JobId>
        <Message/>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <PicProcessResult>
                <ObjectName>output/out.jpg</ObjectName>
                <OriginalInfo>
                    <Etag>"d5a491cd3d8d071e3212c3478e8e35a1"</Etag>
                    <ImageInfo>
                        <Ave>0xc64847</Ave>
                        <Format>JPEG</Format>
                        <Height>417</Height>
                        <Orientation>0</Orientation>
                        <Quality>68</Quality>
                        <Width>500</Width>
                    </ImageInfo>
                </OriginalInfo>
                <ProcessResult>
                    <Etag/>
                    <Format>JPEG</Format>
                    <Height>500</Height>
                    <Quality>68</Quality>
                    <Size>24911</Size>
                    <Width>417</Width>
                </ProcessResult>
            </PicProcessResult>
            <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
            <TemplateName>test</TemplateName>
            <UserData>This is my PicProcess job.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <StartTime>2022-07-18T15:16:44+0800</StartTime>
        <State>Success</State>
        <Tag>PicProcess</Tag>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container array

`JobsDetail` has the following sub-nodes:

Same as Response.JobsDetail in the image processing job submitting API

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

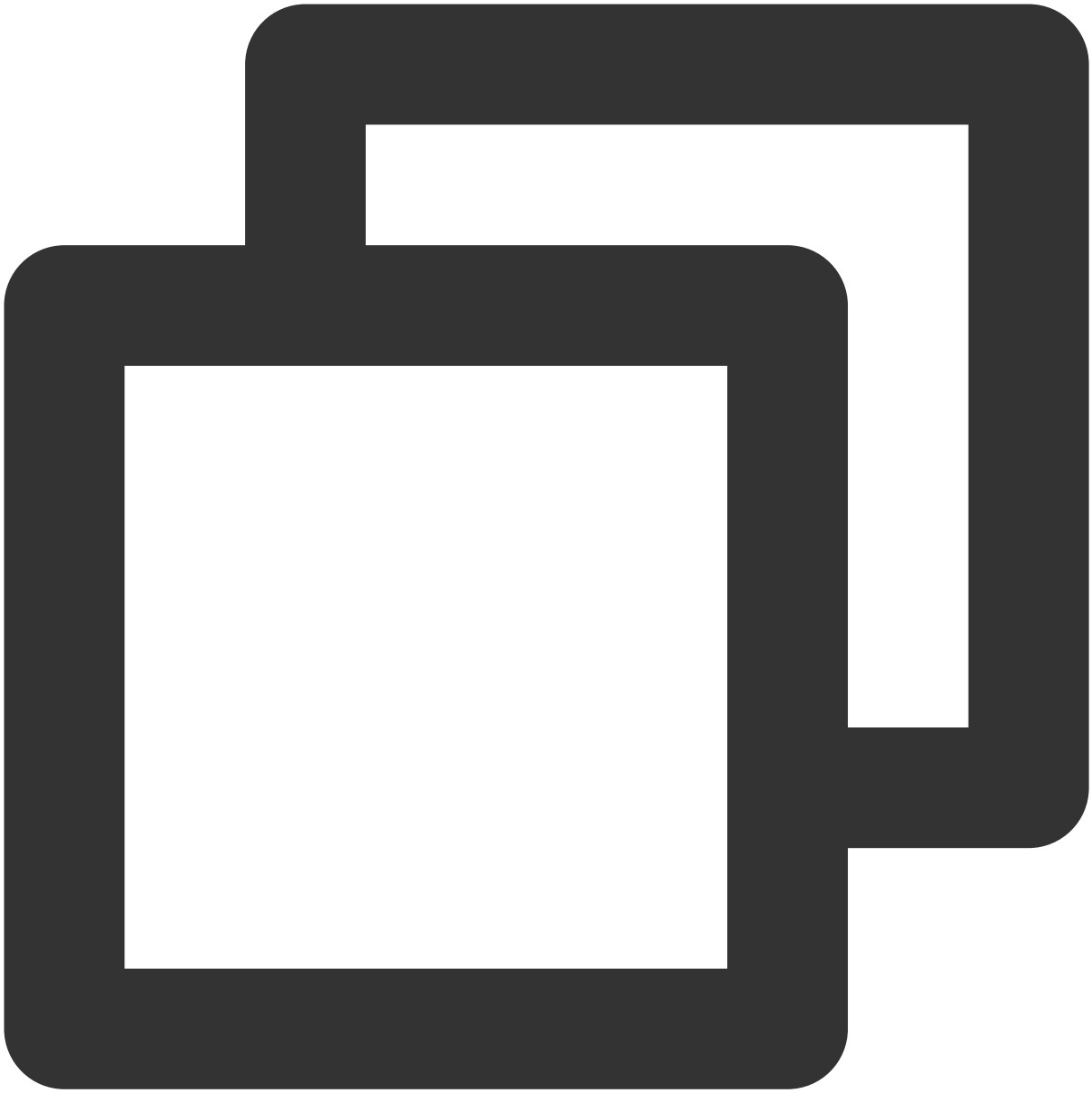
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Samples

Sample 1: Job callback triggered by a job API

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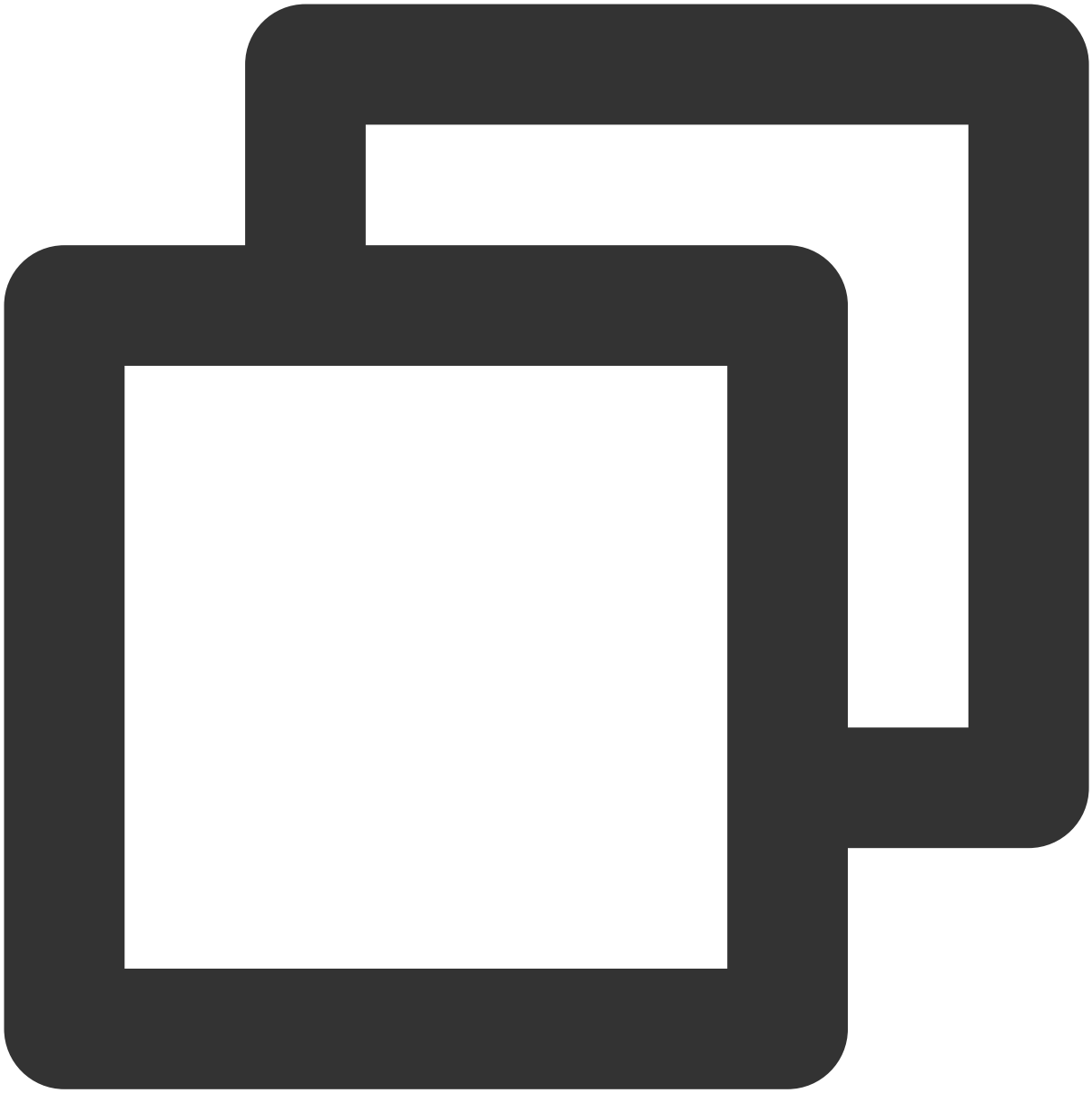
```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>2022-07-18T15:16:44+0800</EndTime>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
        </Input>
```

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```
        <JobId>c93984788066911ed89ed352d4d9d2084</JobId>
        <Message/>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <PicProcessResult>
                <ObjectName>output/out.jpg</ObjectName>
                <OriginalInfo>
                    <Etag>"d5a491cd3d8d071e3212c3478e8e35a1"</Etag>
                    <ImageInfo>
                        <Ave>0xc64847</Ave>
                        <Format>JPEG</Format>
                        <Height>417</Height>
                        <Orientation>0</Orientation>
                        <Quality>68</Quality>
                        <Width>500</Width>
                    </ImageInfo>
                </OriginalInfo>
                <ProcessResult>
                    <Etag/>
                    <Format>JPEG</Format>
                    <Height>500</Height>
                    <Quality>68</Quality>
                    <Size>24911</Size>
                    <Width>417</Width>
                </ProcessResult>
            </PicProcessResult>
            <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
            <TemplateName>test</TemplateName>
            <UserData>This is my PicProcess job.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <StartTime>2022-07-18T15:16:44+0800</StartTime>
        <State>Success</State>
        <Tag>PicProcess</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback triggered by a workflow

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-18T15:16:43+0800</CreationTime>
        <EndTime>2022-07-18T15:16:44+0800</EndTime>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/deer.jpg</Object>
            <Region>ap-chongqing</Region>
            <CosHeaders>
```

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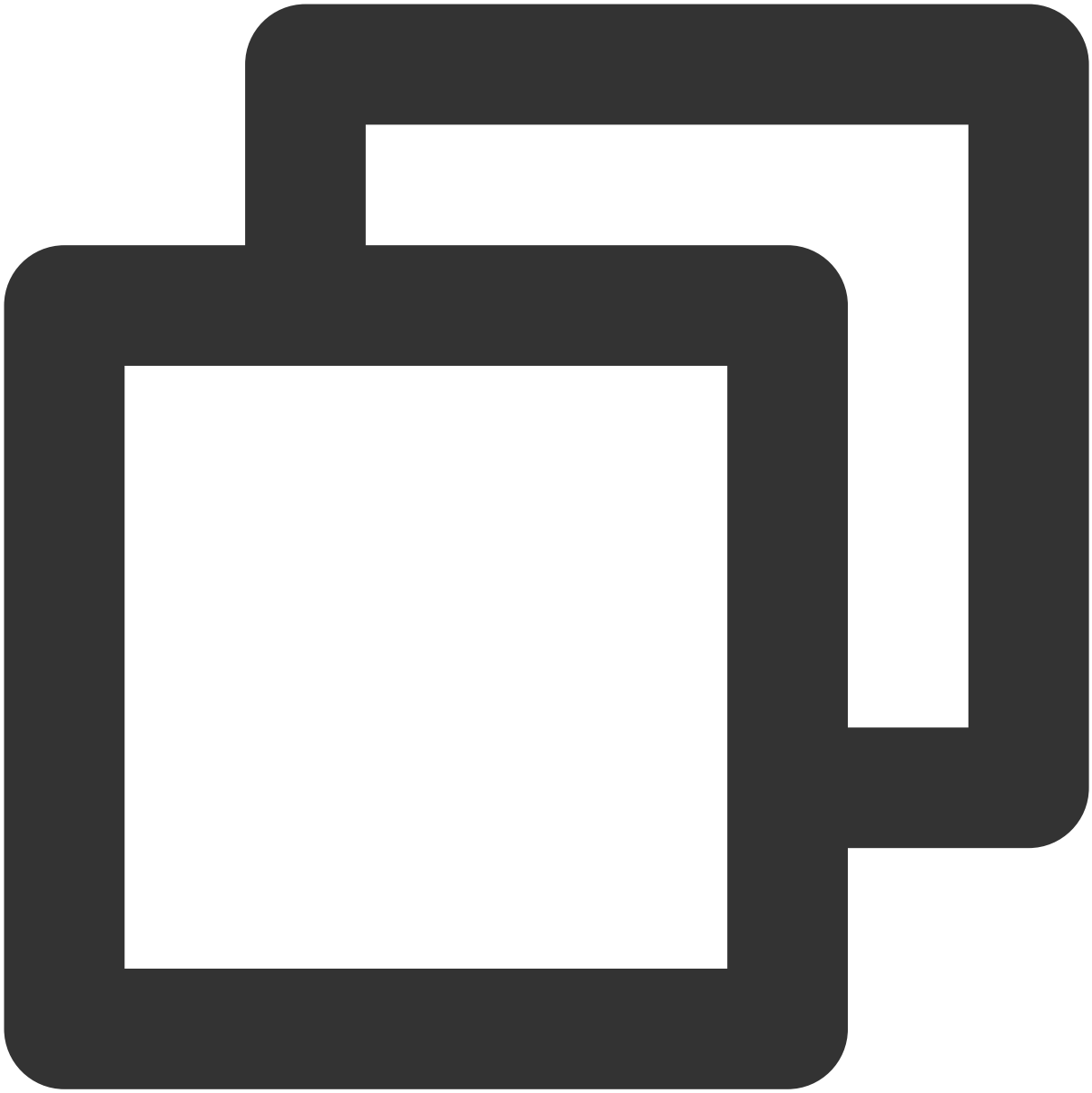
```
                <Key>Content-Type</Key>
                <Value>image/jpeg</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>x-cos-request-id</Key>
                <Value>NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>EventName</Key>
                <Value>cos:ObjectCreated:Put</Value>
            </CosHeaders>
            <CosHeaders>
                <Key>Size</Key>
                <Value>1024</Value>
            </CosHeaders>
        </Input>
        <JobId>c93984788066911ed89ed352d4d9d2084</JobId>
        <Message/>
        <Operation>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/out.jpg</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <PicProcessResult>
                <ObjectName>output/out.jpg</ObjectName>
                <OriginalInfo>
                    <Etag>"d5a491cd3d8d071e3212c3478e8e35a1"</Etag>
                    <ImageInfo>
                        <Ave>0xc64847</Ave>
                        <Format>JPEG</Format>
                        <Height>417</Height>
                        <Orientation>0</Orientation>
                        <Quality>68</Quality>
                        <Width>500</Width>
                    </ImageInfo>
                </OriginalInfo>
                <ProcessResult>
                    <Etag/>
                    <Format>JPEG</Format>
                    <Height>500</Height>
                    <Quality>68</Quality>
                    <Size>24911</Size>
                    <Width>417</Width>
                </ProcessResult>
            </PicProcessResult>
            <TemplateId>t10461fe2bd5a649db9022452ec71e0381</TemplateId>
```

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```
            <TemplateName>test</TemplateName>
            <UserData>This is my PicProcess job.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>p2911917386e148639319e13c285cc774</QueueId>
        <StartTime>2022-07-18T15:16:44+0800</StartTime>
        <State>Success</State>
        <Tag>PicProcess</Tag>
        <Workflow>
            <Name>PicProcess_1581665960537</Name>
            <RunId>ic90edd59f84f11ec9d4f525400a3c59f</RunId>
            <WorkflowId>web6ac56c1ef54dbfa44d7f4103203be9</WorkflowId>
            <WorkflowName>workflow-test</WorkflowName>
        </Workflow>
    </JobsDetail>
</Response>
```

Sample 3: Job callback in JSON format triggered by a workflow

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": [{
        "Code": "Success",
        "CreationTime": "2022-07-18T15:16:43+0800",
        "EndTime": "2022-07-18T15:16:44+0800",
        "Input": {
            "BucketId": "test-1234567890",
            "Object": "input/deer.jpg",
            "Region": "ap-chongqing",
            "CosHeaders": [{
```


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```
                    "Key": "Content-Type",
                    "Value": "image/jpeg"
                },
                {
                    "Key": "x-cos-request-id",
                    "Value": "NjJiZDYwYTFfNjUzYTYyNjRfZjEwZl8xMmZhYzY5"
                },
                {
                    "Key": "EventName",
                    "Value": "cos:ObjectCreated:Put"
                },
                {
                    "Key": "Size",
                    "Value": "1024"
                }
            ]
        },
        "JobId": "c93984788066911ed89ed352d4d9d2084",
        "Operation": {
            "Output": {
                "Bucket": "test-1234567890",
                "Object": "output/out.jpg",
                "Region": "ap-chongqing"
            },
            "PicProcessResult": {
                "ObjectName": "output/out.jpg",
                "OriginalInfo": {
                    "Etag": "\\"d5a491cd3d8d071e3212c3478e8e35a1\\"",
                    "ImageInfo": {
                        "Ave": "0xc64847",
                        "Format": "JPEG",
                        "Height": "417",
                        "Orientation": "0",
                        "Quality": "68",
                        "Width": "500"
                    }
                },
                "ProcessResult": {
                    "Format": "JPEG",
                    "Height": "500",
                    "Quality": "68",
                    "Size": "24911",
                    "Width": "417"
                }
            },
            "TemplateId": "t10461fe2bd5a649db9022452ec71e0381",
            "TemplateName": "test",
```


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```
            "UserData": "This is my PicProcess job.",
            "JobLevel": 0,
        },
        "QueueId": "p2911917386e148639319e13c285cc774",
        "StartTime": "2022-07-18T15:16:44+0800",
        "State": "Success",
        "Tag": "PicProcess",
        "Workflow": {
            "Name": "PicProcess_1581665960537",
            "RunId": "ic90edd59f84f11ec9d4f525400a3c59f",
            "WorkflowId": "web6ac56c1ef54dbfa44d7f4103203be9",
            "WorkflowName": "workflow-test"
        }
    }]
}
```


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Multi-Job Processing
Submitting Multiple Jobs
MultiJobs

Last updated：2024-02-27 15:52:05

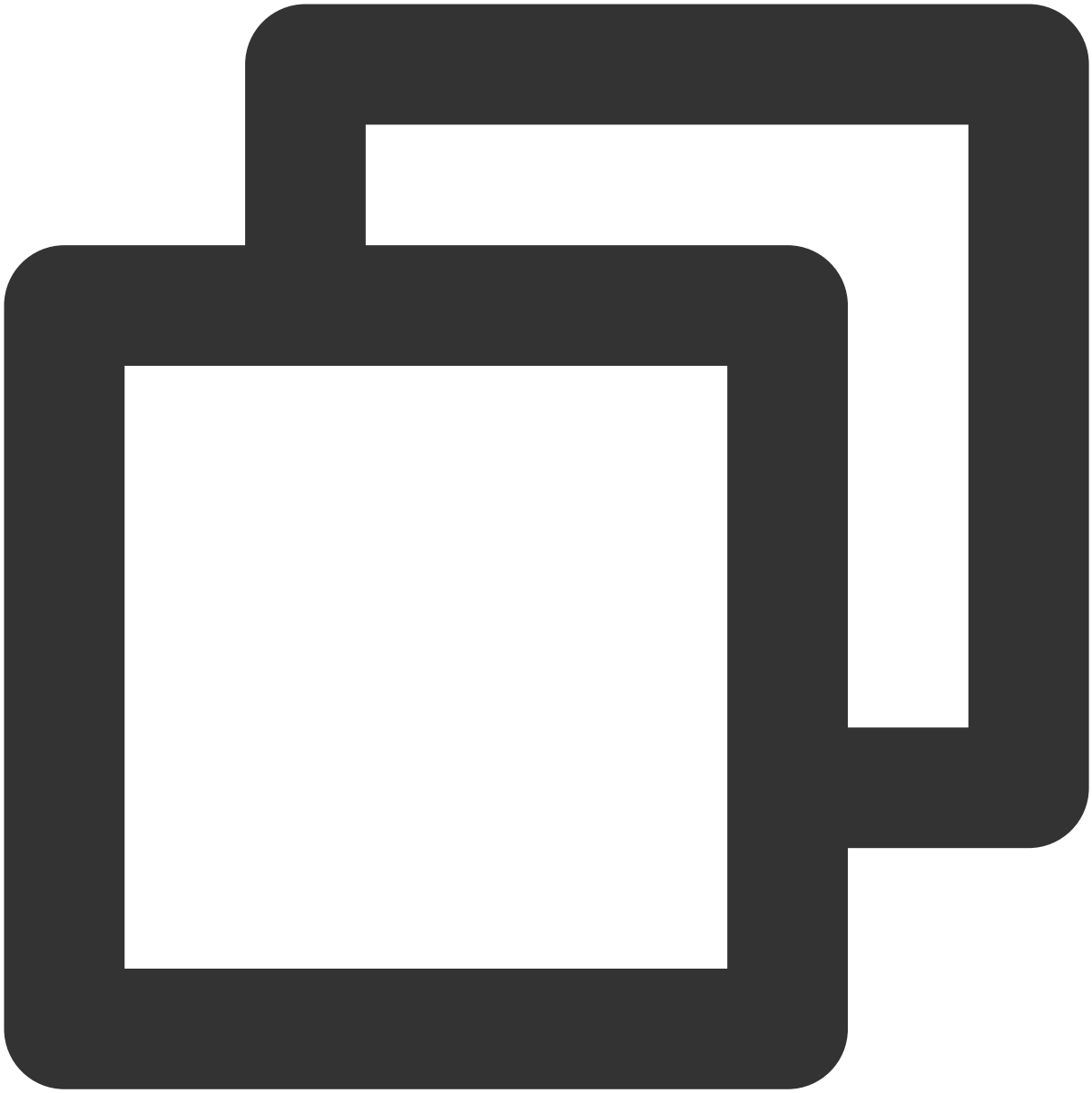
Feature Description

This API is used to submit multiple jobs.

Request

Sample request

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```
POST /jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

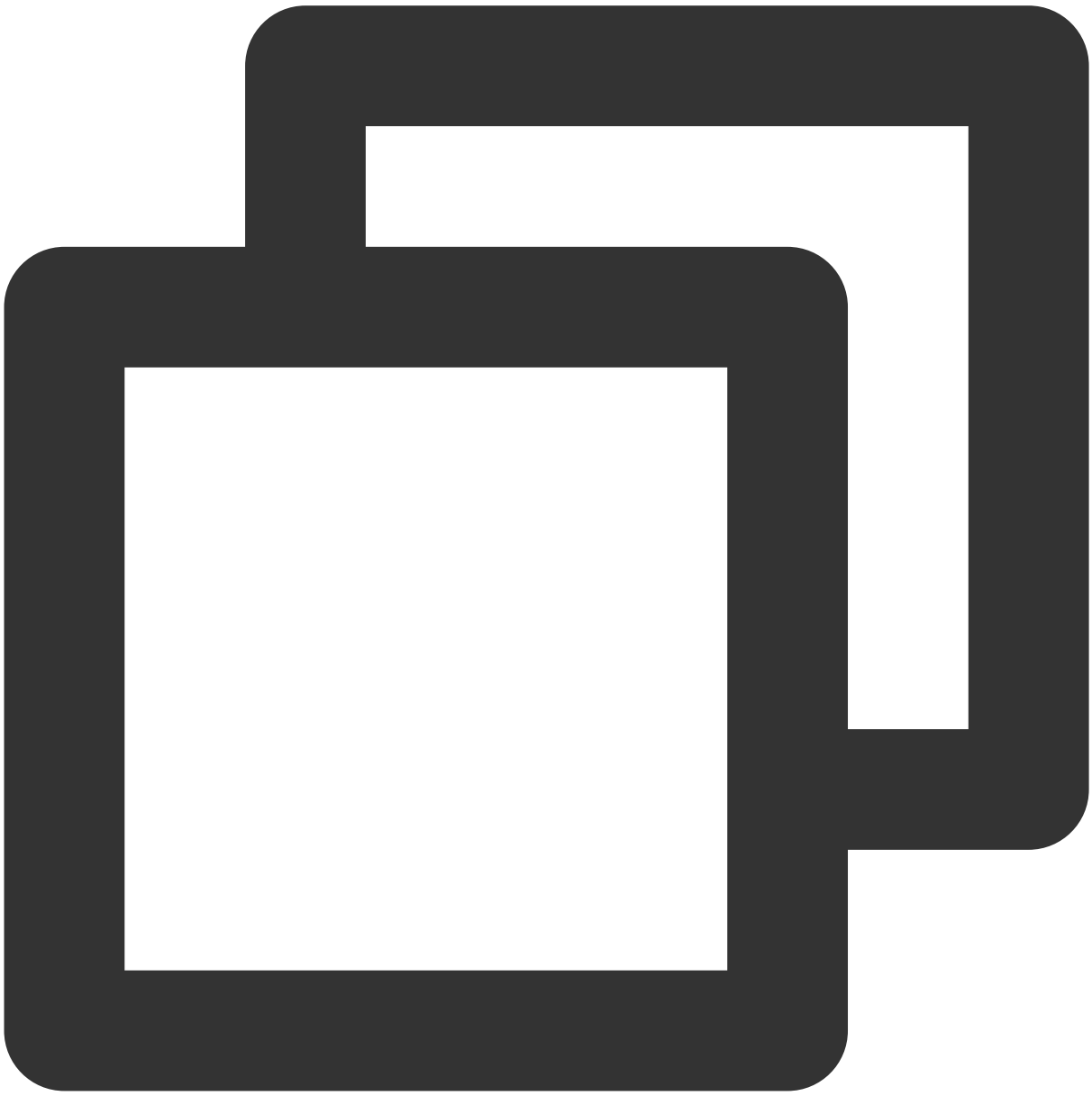
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
        <Tag>Animation</Tag>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/animation.gif</Object>
        </Output>
        <UserData>This is my Animation job.</UserData>
    </Operation>
    <Operation>
        <Tag>Transcode</Tag>
        <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/transcode.mp4</Object>
        </Output>
        <UserData>This is my Trancode job.</UserData>
    </Operation>
    <Operation>
        <Tag>SmartCover</Tag>
        <SmartCover>
            <Format>jpg</Format>
            <Width>1280</Width>
            <Height>960</Height>
            <Count>5</Count>
            <DeleteDuplicates>true</DeleteDuplicates>
        </SmartCover>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/smartcover-${Number}.jpg</Object>
        </Output>
        <UserData>This is my SmartCover job.</UserData>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

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Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule. Up to six operation rules are supported.	Container	Yes
QueueId	Request	Queue ID of the job	String	Yes

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

The content of `Operation` varies by job type. For more information, see the following documents:

Submitting Video Transcoding Job
Submitting Video-to-Animated Image Conversion Job
Submitting Screenshot Job
Submitting Intelligent Thumbnail Job
Submitting Video Splicing Job
Submitting Voice/Sound Separation Job
Submitting Video Montage Job
Submitting SDR-to-HDR Job
Submitting Video Enhancement Job
Submitting Super Resolution Job
Submitting Remuxing Job
Submitting Digital Watermark Adding Job
Submitting Digital Watermark Extracting Job
Submitting Video Tagging Job
Submitting Media Information Query Job
Submitting Stream Separation Job
Submitting Video Quality Scoring Job

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Submitting Text-to-Speech Job
Submitting Audio Noise Cancellation Job

Response

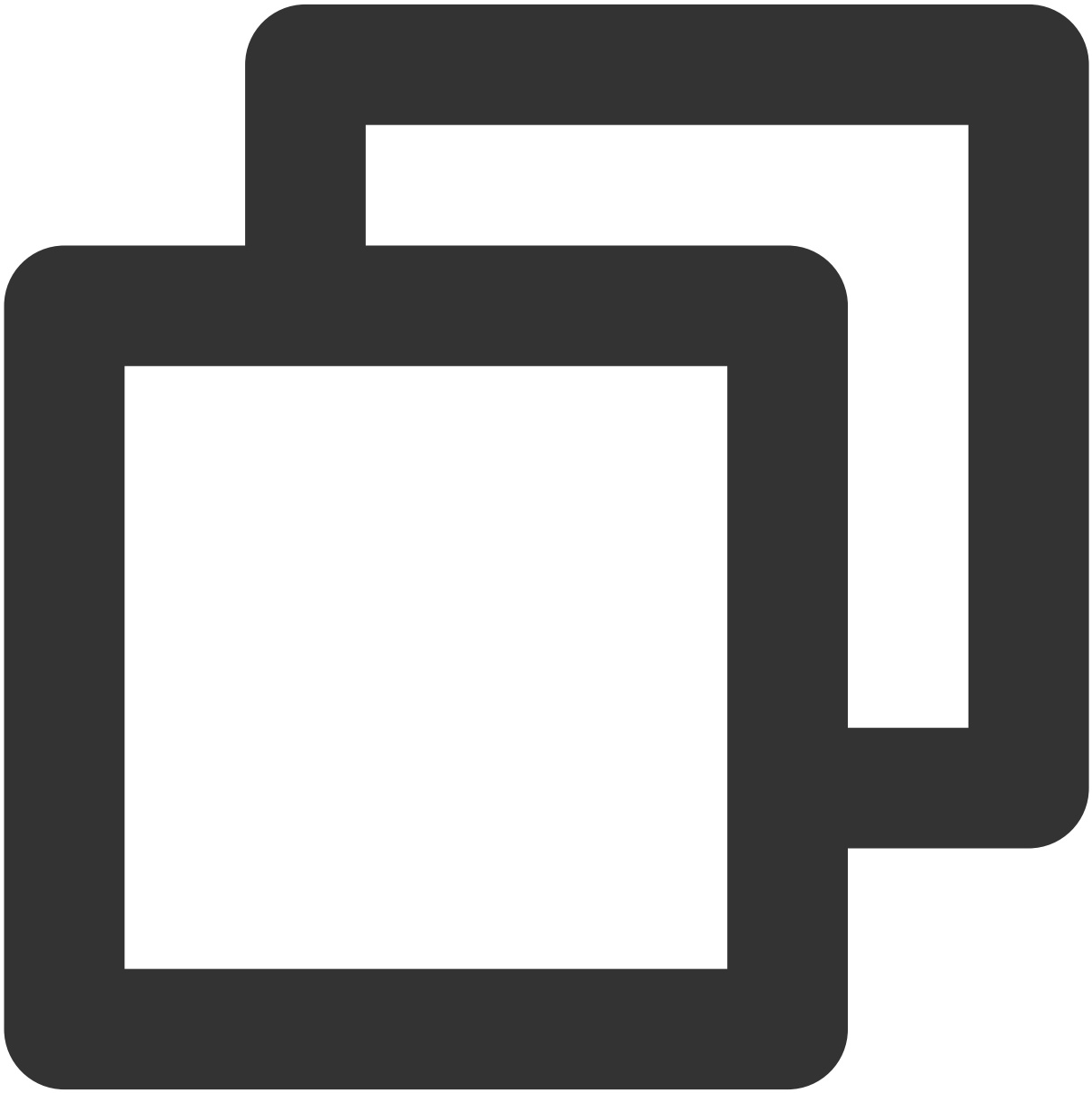
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j682b9662f84611ecb8546d80f2baf56f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Input>
```

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```
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Tag>Animation</Tag>
            <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
            <TemplateName>animation_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/animation.gif</Object>
            </Output>
            <UserData>This is my Animation job.</UserData>
        </Operation>
    </JobsDetail>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j68427030f84611ecb8546d80f2baf56f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Tag>Transcode</Tag>
            <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
            <TemplateName>transcode_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/transcode.mp4</Object>
            </Output>
            <UserData>This is my Trancode job.</UserData>
        </Operation>
    </JobsDetail>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j6842765cf84611ecb8546d80f2baf56f</JobId>
        <State>Submitted</State>
```

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```
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Tag>SmartCover</Tag>
            <SmartCover>
                <Format>jpg</Format>
                <Width>1280</Width>
                <Height>960</Height>
                <Count>5</Count>
                <DeleteDuplicates>true</DeleteDuplicates>
            </SmartCover>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/smartcover-${Number}.jpg</Object>
            </Output>
            <UserData>This is my SmartCover job.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container array

The content of `JobsDetail` varies by job type. For more information, see the following documents:

Submitting Video Transcoding Job

Submitting Video-to-Animated Image Conversion Job

Submitting Video Frame Capturing Job

Submitting Intelligent Thumbnail Job

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Submitting Video Splicing Job
Submitting Voice/Sound Separation Job
Submitting Video Montage Job
Submitting SDR-to-HDR Job
Submitting Video Enhancement Job
Submitting Super Resolution Job
Submitting Remuxing Job
Submitting Digital Watermark Adding Job
Submitting Digital Watermark Extracting Job
Submitting Video Tagging Job
Submitting Media Information Query Job
Submitting Stream Separation Job
Submitting Video Quality Scoring Job
Submitting Text-to-Speech Job
Submitting Audio Noise Cancellation Job

Error codes

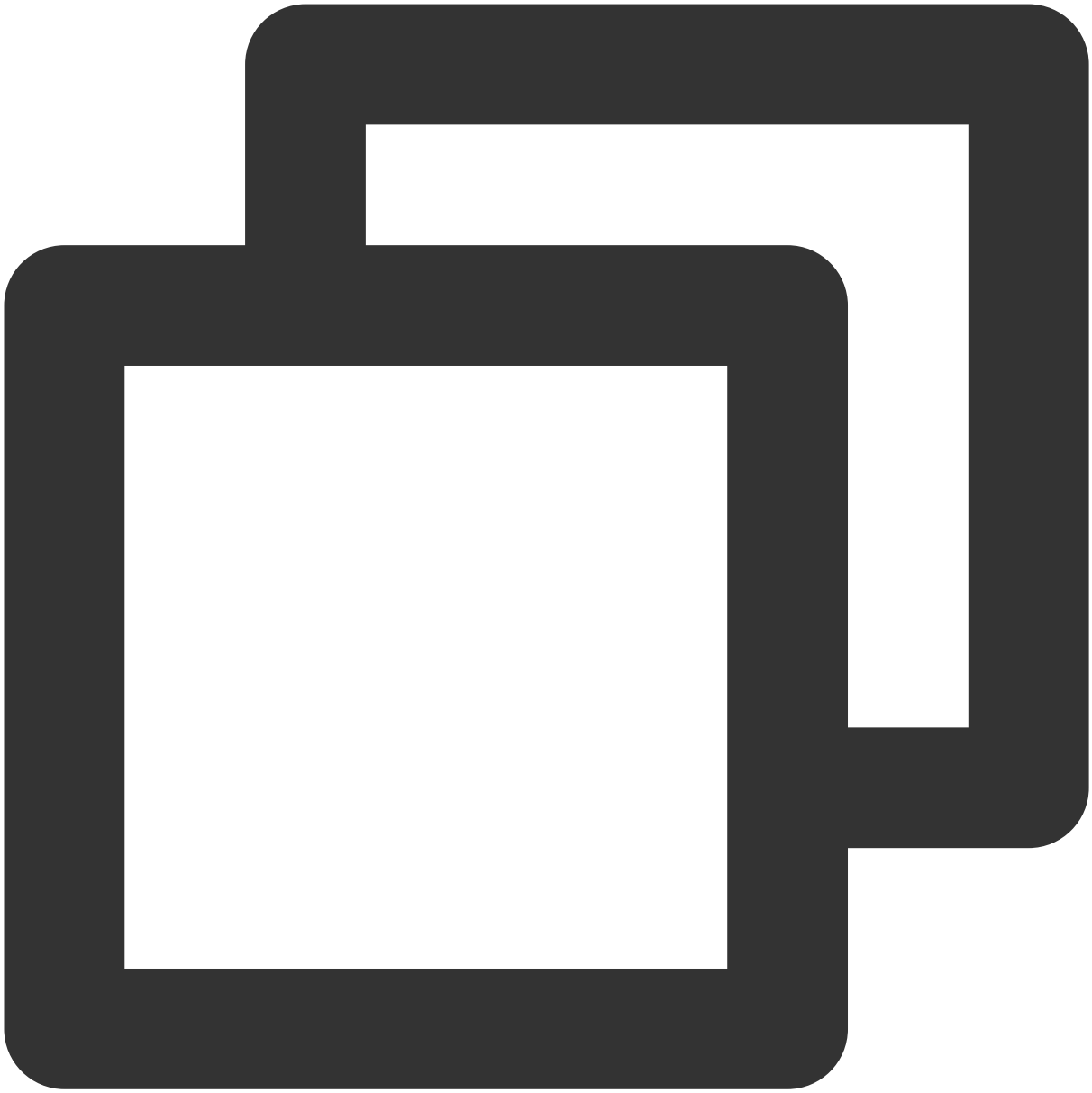
There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Using multiple template IDs

Request

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```
POST /jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-si
Host: examplebucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

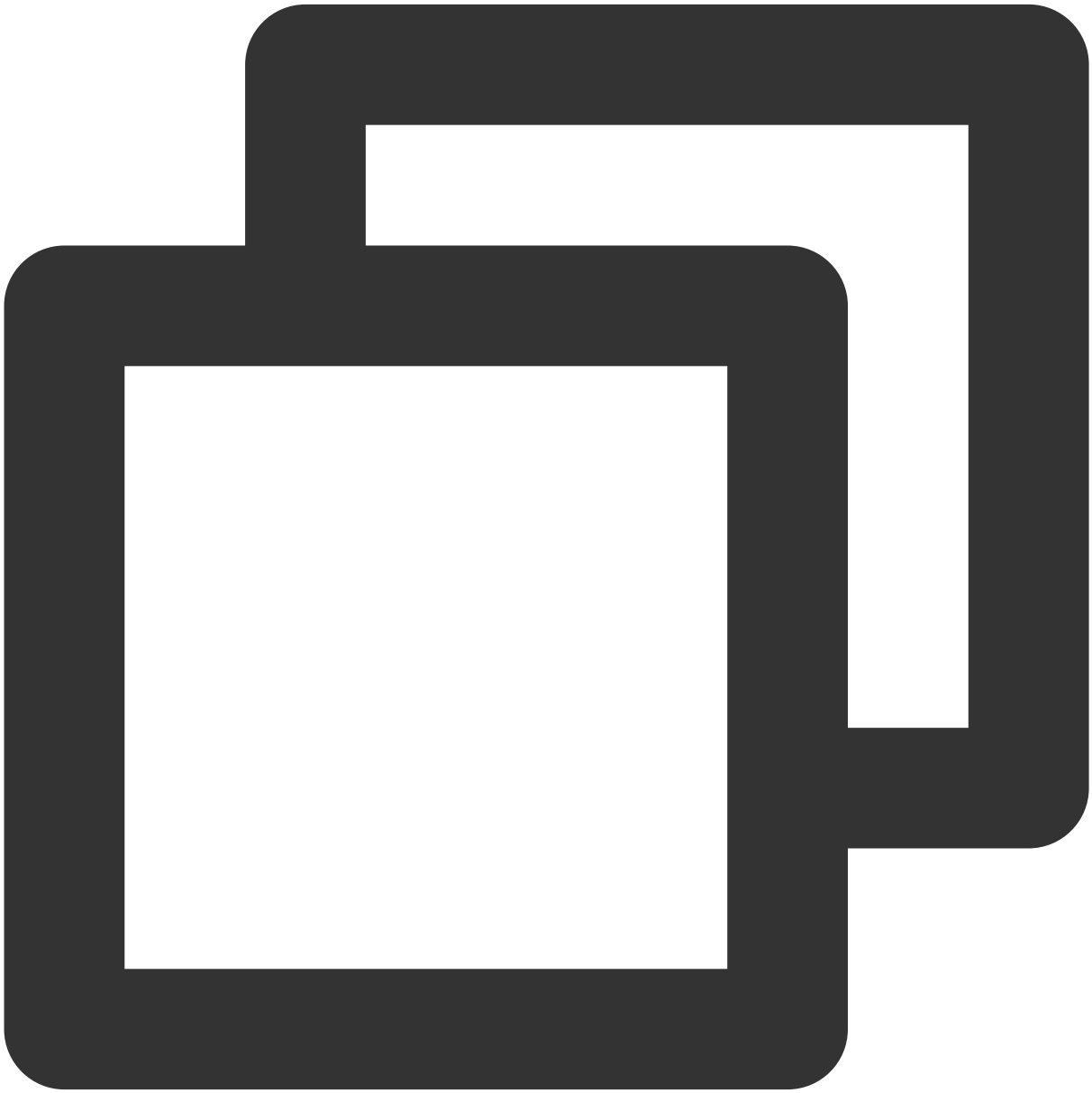
<Request>
    <Input>
        <Object>input/demo.mp4</Object>
    </Input>
    <Operation>
```

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```
        <Tag>Animation</Tag>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/animation.gif</Object>
        </Output>
        <UserData>This is my Animation job.</UserData>
    </Operation>
    <Operation>
        <Tag>Transcode</Tag>
        <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/transcode.mp4</Object>
        </Output>
        <UserData>This is my Trancode job.</UserData>
    </Operation>
    <Operation>
        <Tag>SmartCover</Tag>
        <SmartCover>
            <Format>jpg</Format>
            <Width>1280</Width>
            <Height>960</Height>
            <Count>5</Count>
            <DeleteDuplicates>true</DeleteDuplicates>
        </SmartCover>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/smartcover-${Number}.jpg</Object>
        </Output>
        <UserData>This is my SmartCover job.</UserData>
    </Operation>
    <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>j682b9662f84611ecb8546d80f2baf56f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Tag>Animation</Tag>
            <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
            <TemplateName>animation_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/animation.gif</Object>
            </Output>
            <UserData>This is my Animation job.</UserData>
        </Operation>
    </JobsDetail>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j68427030f84611ecb8546d80f2baf56f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Tag>Transcode</Tag>
            <TemplateId>t1995d523e42df4c5e858f244b4174360c</TemplateId>
            <TemplateName>trancode_demo</TemplateName>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/transcode.mp4</Object>
            </Output>
```

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```
            <UserData>This is my Trancode job.</UserData>
        </Operation>
    </JobsDetail>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>j6842765cf84611ecb8546d80f2baf56f</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p2242ab62c7c94486915508540933a2c6</QueueId>
        <Input>
            <BucketId>test-123456789</BucketId>
            <Object>input/demo.mp4</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <Operation>
            <Tag>SmartCover</Tag>
            <SmartCover>
                <Format>jpg</Format>
                <Width>1280</Width>
                <Height>960</Height>
                <Count>5</Count>
                <DeleteDuplicates>true</DeleteDuplicates>
            </SmartCover>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/smartcover-${Number}.jpg</Object>
            </Output>
            <UserData>This is my SmartCover job.</UserData>
        </Operation>
    </JobsDetail>
</Response>
```

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AI-Based Content Recognition
Submitting Content Recognition Job
Submitting Translation Job

Last updated：2024-02-27 15:52:06

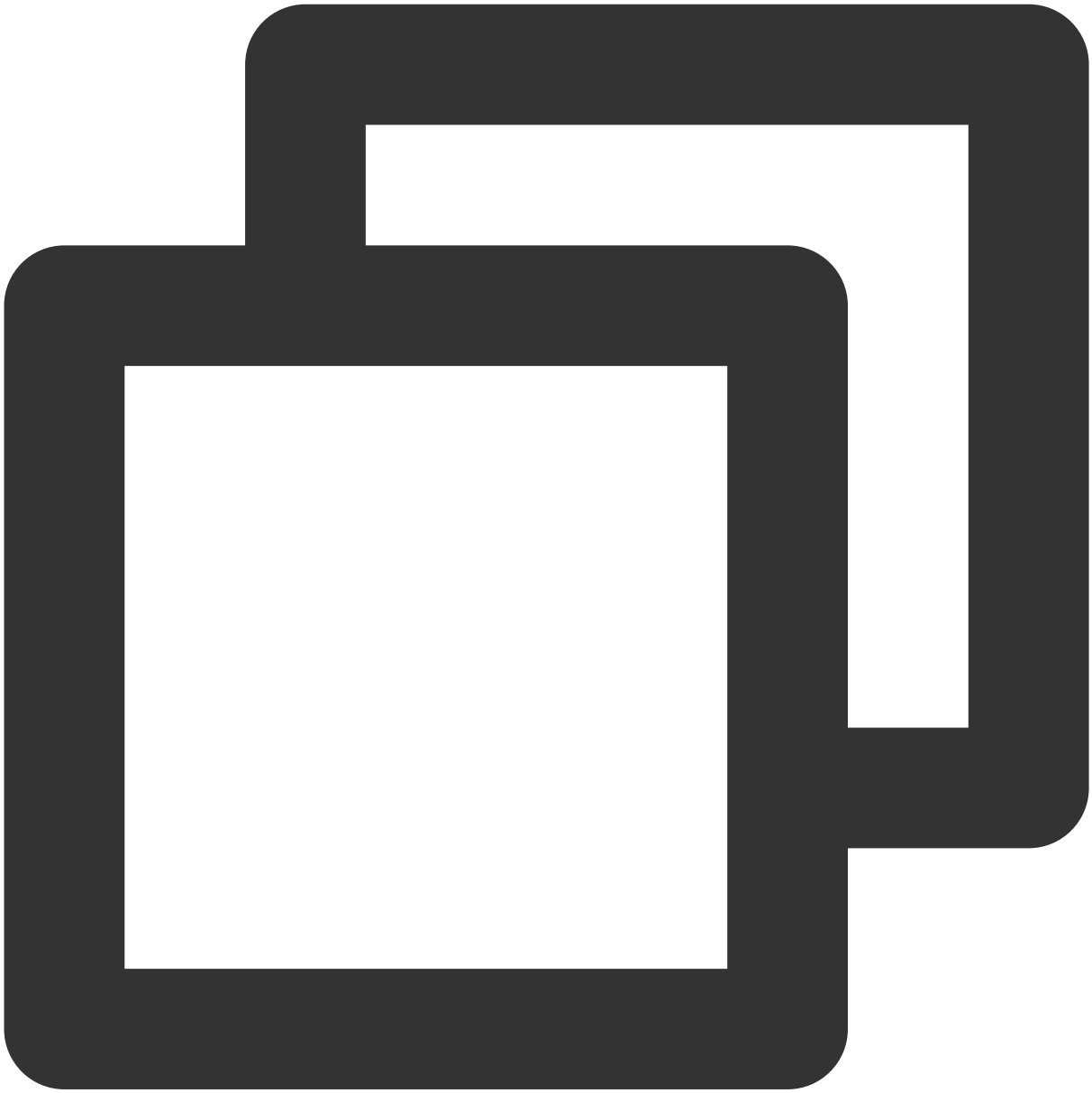
Overview

This API is used to submit a translation job.

Request

Sample request

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```
POST /ai_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (See Request Signature for details.)

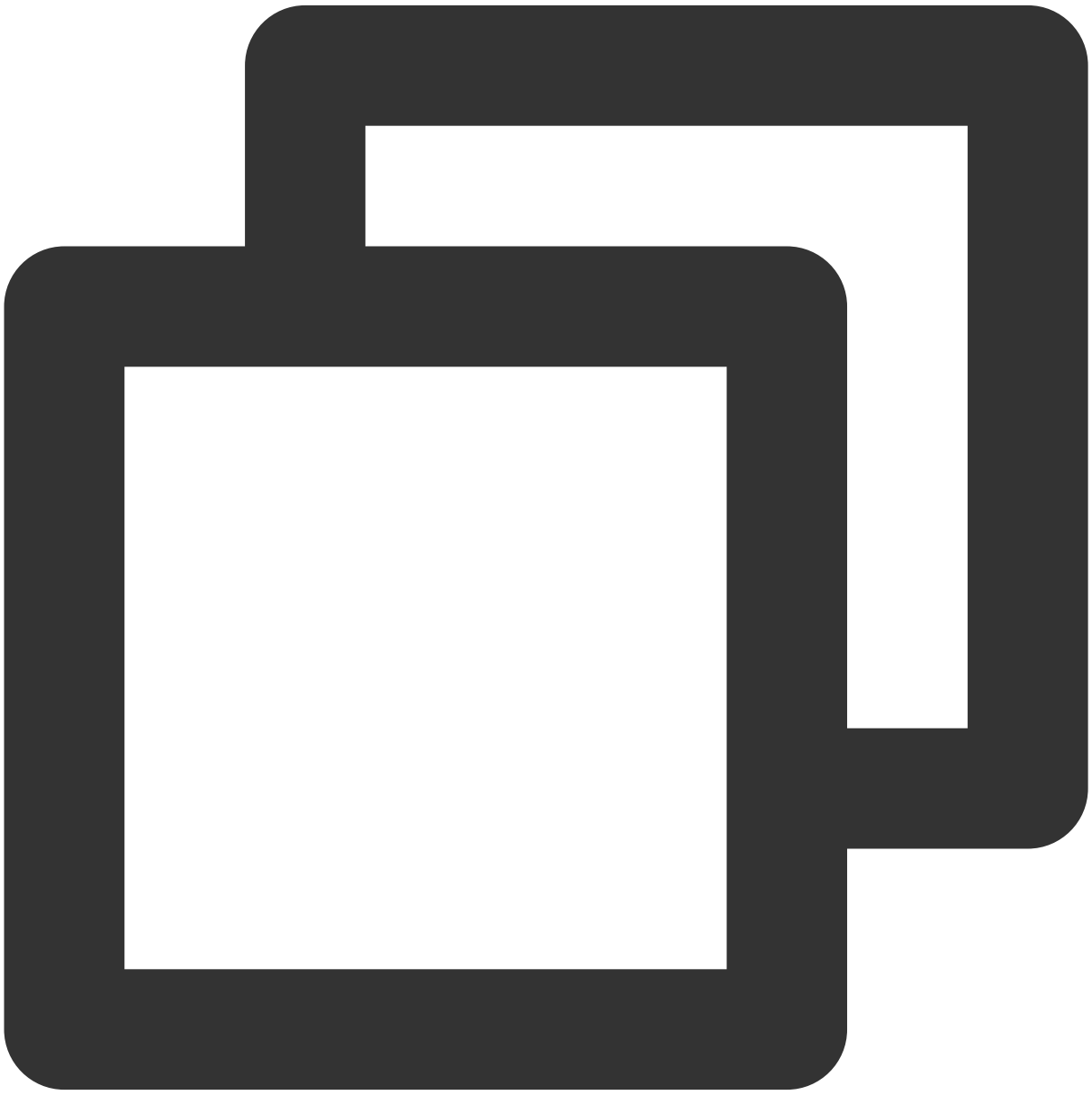
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Translation</Tag>
    <Input>
        <Object>input/en.pdf</Object>
        <Lang>en</Lang>
        <Type>pdf</Type>
        <BasicType>pptx</BasicType>
    </Input>
    <Operation>
        <Translation>
            <Lang>zh</Lang>
            <Type>pdf</Type>
        </Translation>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/zh.pdf</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type: Translation	String	Yes
Input	Request	Information about the object to be operated	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	ID of the queue where the job is in	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or	String	No

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		`XML` (default). It has a higher priority than that of the queue.		
CallBackType	Request	Job callback type, which can be `Url` (default) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure > CallBackMqConfig, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Input has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Object	Request.Input	Source filename	String	Yes	Single file (docx/xlsx/html/markdown/txt): 8 million characters Number of pages (pdf/pptx): 300 pages Text file (txt): 10 MB Binary file (pdf/docx/pptx/xlsx): 60 MB Image file (jpg/jpeg/png): 10 MB
Lang	Request.Input	File language	String	Yes	zh: Simplified Chinese zh-hk: Traditional Chinese zh-tw: Traditional Chinese zh-tr: Traditional Chinese en: English ar: Arabic de: German es: Spanish fr: French id: Indonesian

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					it: Italian ja: Japanese pt: Portuguese ru: Russian ko: Korean km: Khmer lo: Lao
Type	Request.Input	File type	String	Yes	pdf docx pptx xlsx txt xml html: Only text nodes in HTML files can be translated, while nodes that need to be dynamically loaded through JS cannot. markdown jpg jpeg png
BasicType	Request.Input	Original file type	String	No	This parameter can be used only if Type is pdf, jpg, jpeg, or png. If Type is pdf, only values docx and pptx are supported. If Type is jpg, jpeg, png, or webp, only value txt is supported. If this parameter is left empty, the translation result is returned.

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Translation	Request.Operation	Translation parameter	Container	Yes
Output	Request.Operation	Result output address	Container	Yes (no if `NoNeedOutput` is `true`)
UserData	Request.Operation	The user information passed through, which is	String	No

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		printable ASCII codes of up to 1,024 in length.		
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0` (default), `1`, `2`.	String	No
NoNeedOutput	Request.Operation	Whether to only output the result without generating the result file. Valid values: `true`, `false`. This parameter takes effect only if the input file is an image.	String	No

`Translation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Lang	Request.Operation.Translation	Target language	String	Yes	If the source language is zh, zh-hk, zh-tw, or zh-tr, this parameter can be en, ar, de, es, fr, id, it, ja, ru, ko, km, lo, or pt. If the source language is en, this parameter can be zh, zh-hk, zh-tw, zh-tr, ar, de, es, fr, id, it, ja, ru, ko, km, lo, or pt. If the source language is other types, this parameter can be zh, zh-hk, zh-tw, zh-tr, or en.
Type	Request.Operation.Translation	File type	String	Yes	The mappings between source file types and target file types are as follows: docx: docx pptx: pptx xlsx: xlsx

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					txt: txt xml: xml html: html markdown: markdown pdf: pdf, docx png: txt jpg: txt jpeg: txt

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Result file name	String	Yes

Response

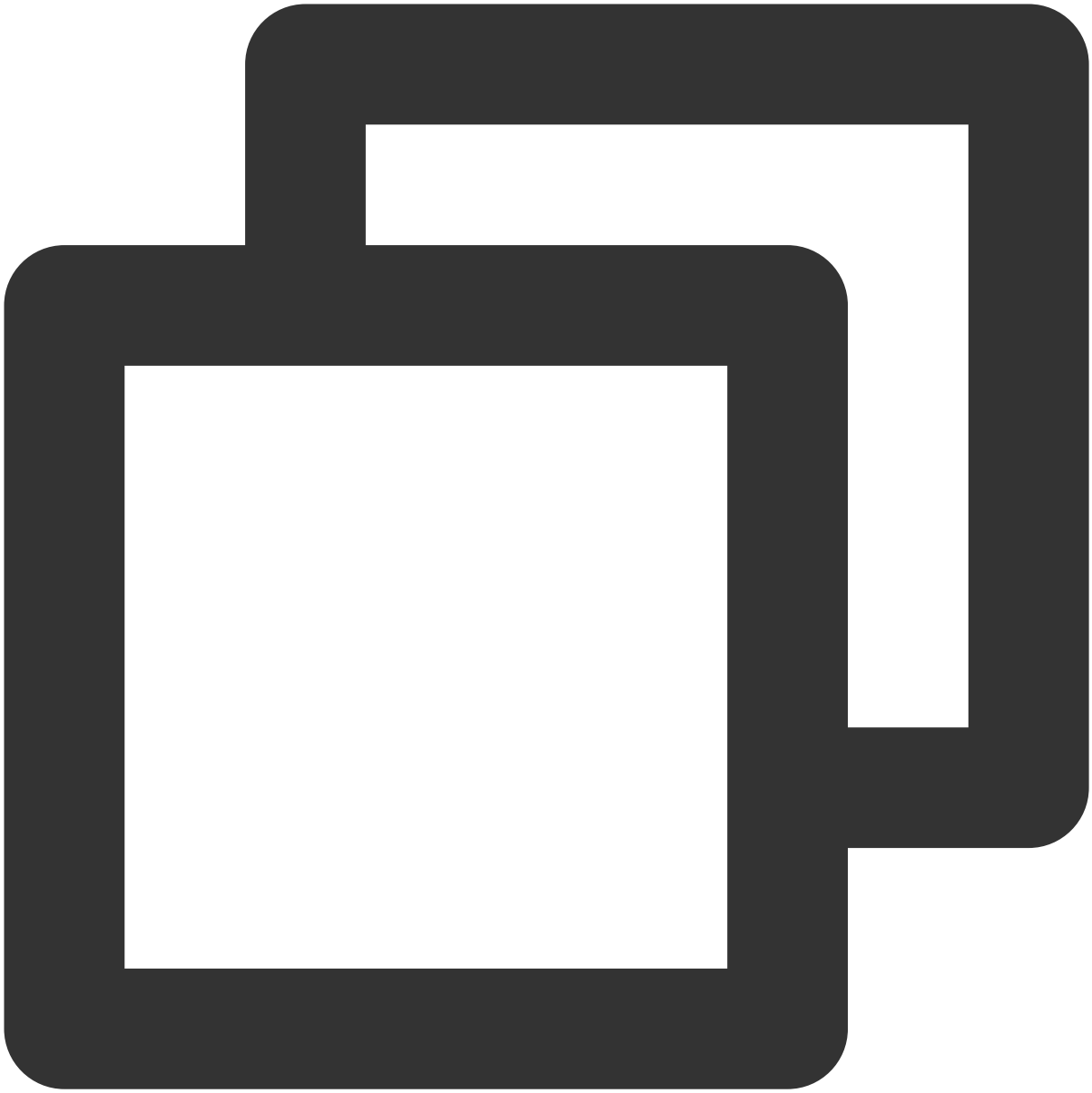
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>ac7c990a00bf211ed946af9e0691f2b7a</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
        <Tag>Translation</Tag>
```

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```
        <Input>
            <Object>input/en.pdf</Object>
            <Lang>en</Lang>
            <Type>pdf</Type>
            <BasicType>pptx</BasicType>
        </Input>
        <Operation>
            <Translation>
                <Lang>zh</Lang>
                <Type>pdf</Type>
            </Translation>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/zh.pdf</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String

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Tag	Response.JobsDetail	Job type: `Translation`	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue where the job is in	String
Input	Response.JobsDetail	Same as the `Request.Input` node in the request	Container
Operation	Response.JobsDetail	Operation rule. Up to 6 operation rules are supported.	Container

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Translation	Response.JobsDetail.Operation	Same as `Request.Operation.Translation` in the request.	Containe
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.	Containe
UserData	Response.JobsDetail.Operation	The user information passed through.	String
JobLevel	Response.JobsDetail.Operation	Job priority	String
AITranslateResult	Response.JobsDetail.Operation	Translation result details	Containe

`AITranslateResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Result	Response.JobsDetail.Operation	Translation result content	String

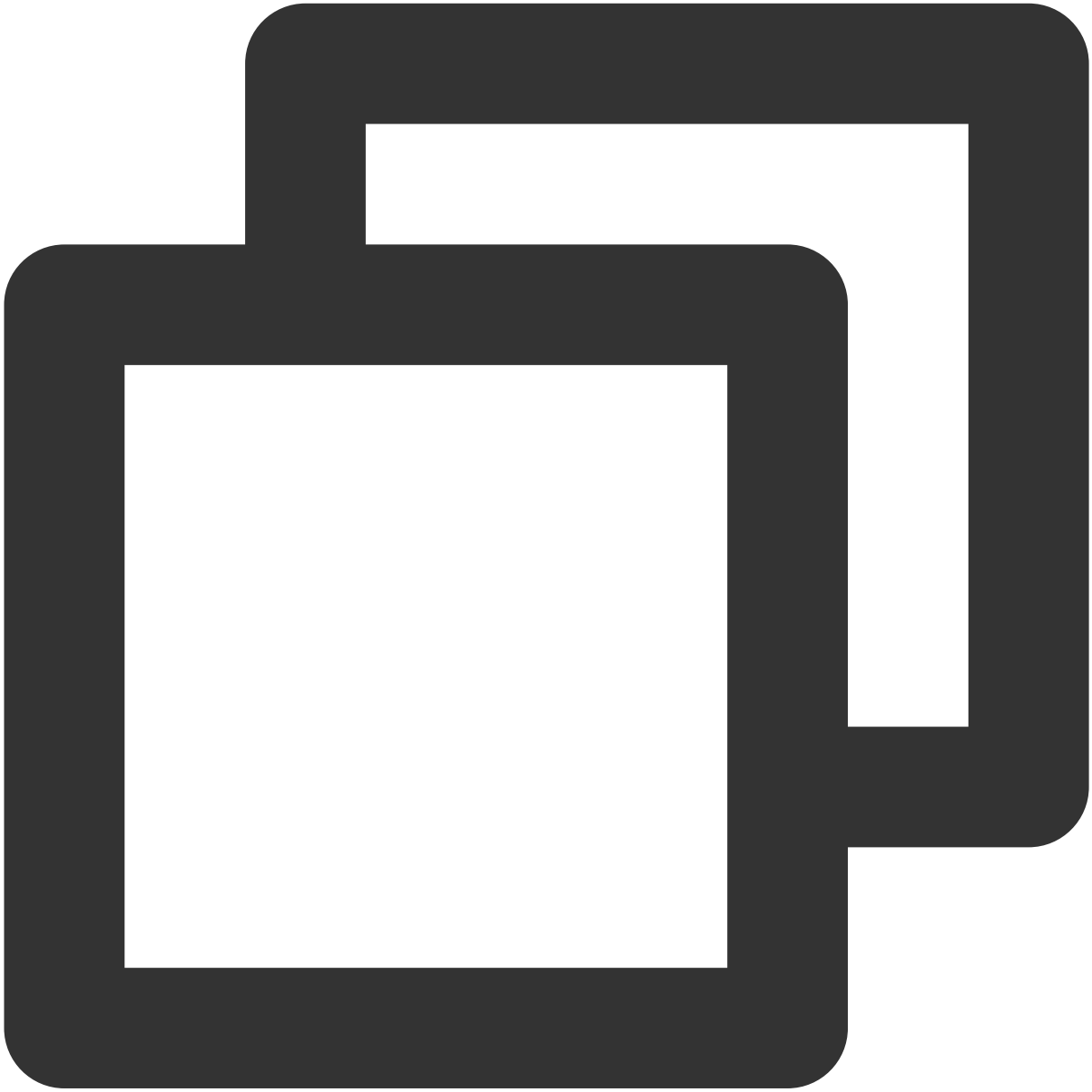
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Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request



```
POST /ai_jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
```

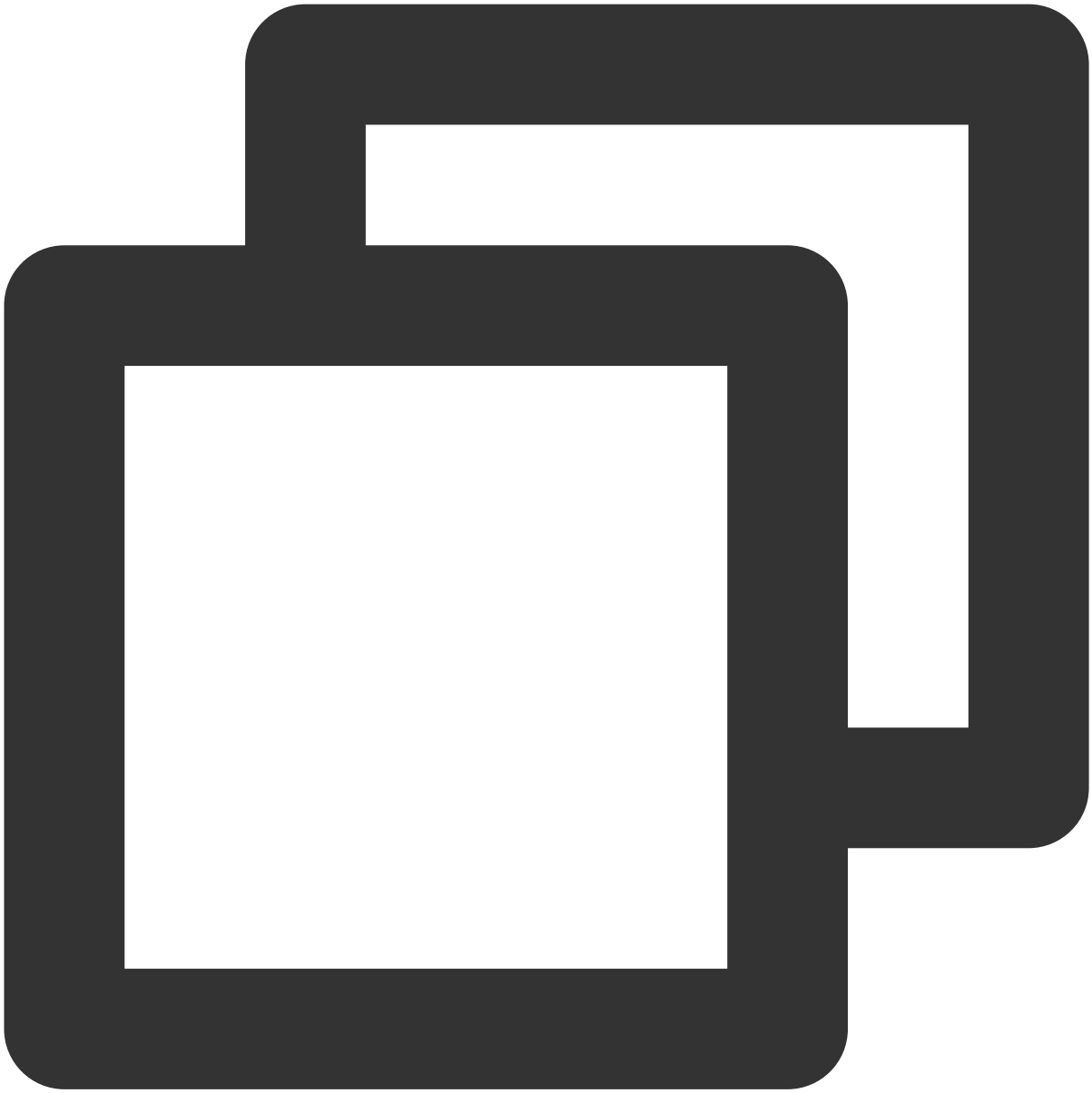
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```
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

<Request>
    <Tag>Translation</Tag>
    <Input>
        <Object>input/en.pdf</Object>
        <Lang>en</Lang>
        <Type>pdf</Type>
        <BasicType>pptx</BasicType>
    </Input>
    <Operation>
        <Translation>
            <Lang>zh</Lang>
            <Type>pdf</Type>
        </Translation>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/zh.pdf</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>ac7c990a00bf211ed946af9e0691f2b7a</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
        <Tag>Translation</Tag>
        <Input>
            <Object>input/en.pdf</Object>
            <Lang>en</Lang>
            <Type>pdf</Type>
            <BasicType>pptx</BasicType>
        </Input>
        <Operation>
            <Translation>
                <Lang>zh</Lang>
                <Type>pdf</Type>
            </Translation>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/zh.pdf</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Submitting Speech Recognition Job

Last updated：2024-03-04 10:11:42

Overview

This API is used to submit a speech recognition job.

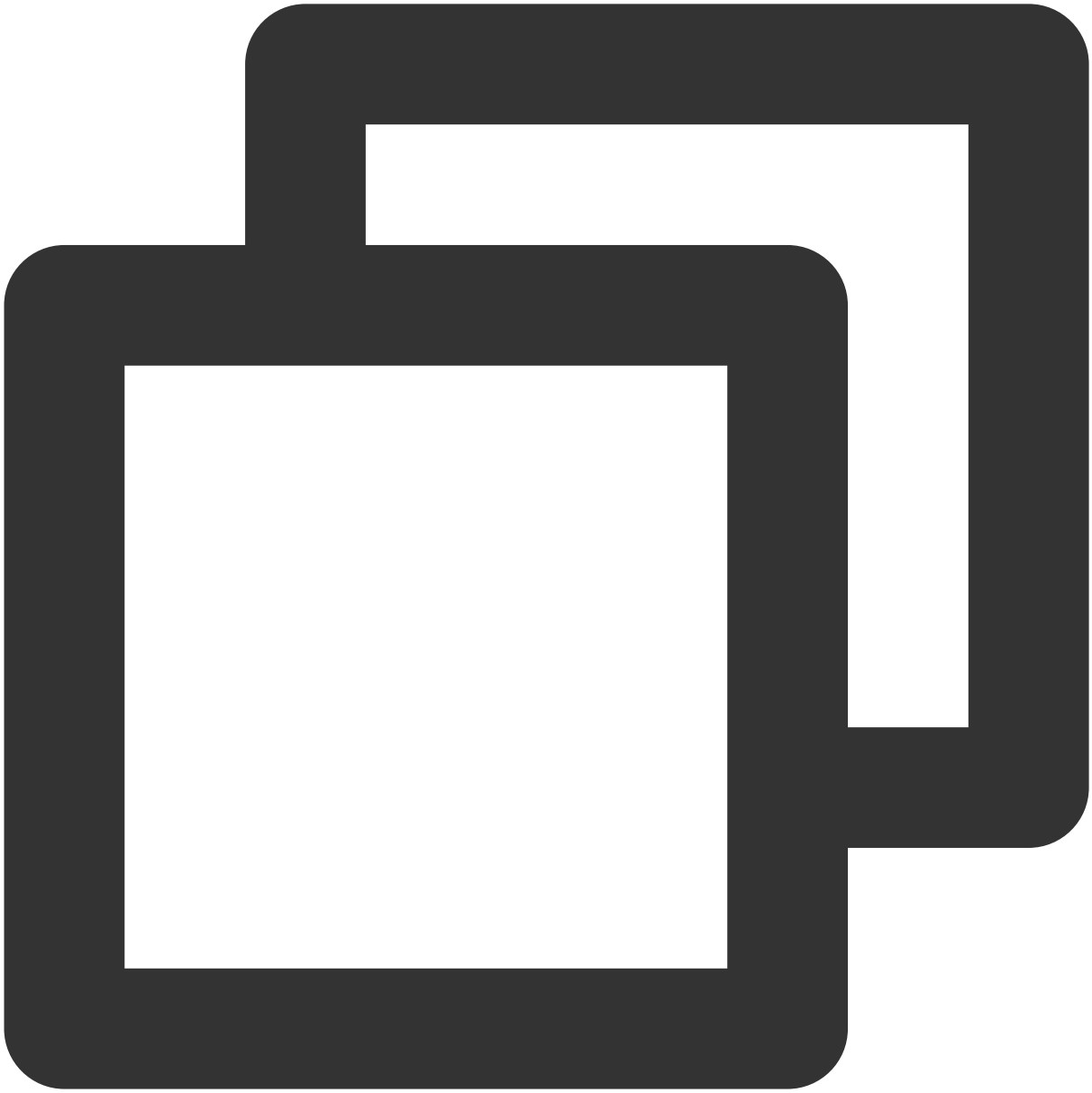
Note:

For constraints on speech recognition, see Specifications and Limits.

Request

Sample request

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```
POST /asr_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

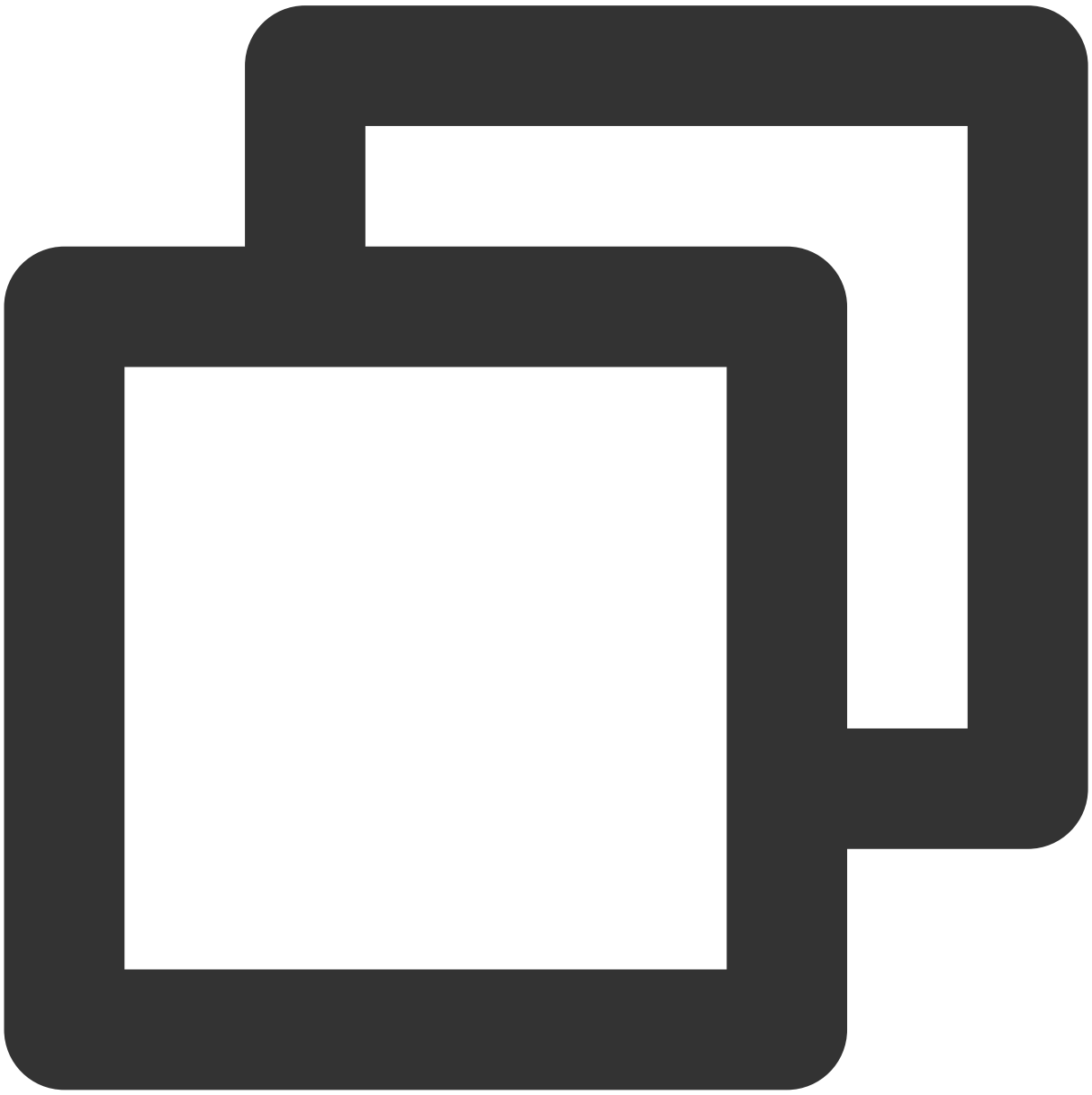
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SpeechRecognition</Tag>
    <Input>
        <Object>input/test.mp3</Object>
        <Url></Url>
    </Input>
    <Operation>
        <SpeechRecognition>
            <EngineModelType>16k_zh_video</EngineModelType>
            <ChannelNum>1</ChannelNum>
            <FilterDirty>1</ChannelNum>
            <FilterModal>1</ChannelNum>
        </SpeechRecognition>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/asr.txt</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job type: SpeechRecognition.	String	Yes
Input	Request	Information about the object to be operated	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	ID of the queue where the job is in	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or	String	No

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		`XML` (default). It has a higher priority than that of the queue.		
CallBackType	Request	Job callback type, which can be `Url` (default) or `TDMQ`. It has a higher priority than that of the queue.	String	No
CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure > CallBackMqConfig, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	No
Url	Request.Input	URL that supports downloading over the public network. At least one of `Url` and `Object` must be passed in. If both parameters are passed in, `Object` is preferred.	String	No

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
SpeechRecognition	Request.Operation	Speech recognition parameter	Container	Yes
Output	Request.Operation	Result output address	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

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`SpeechRecognition` has the following sub-nodes:

SpeechRecognition has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
EngineModelType	Request.Operation.SpeechRecognition	Engine model type. Phone call scenario: 8k_zh: 8 kHz Mandarin for general fields (applied to dual-channel audios) 8k_zh_s: 8 kHz Mandarin for speaker diarization (applied only to mono-channel audios) Non-phone call scenario: 16k_zh: 16 kHz Mandarin for general fields 16k_zh_video: 16 kHz Mandarin for audiovisual fields 16k_en: 16 kHz English 16k_ca: 16 kHz Cantonese	String	Yes
ChannelNum	Request.Operation.SpeechRecognition	Number of sound channels: 1: Mono 2: Dual (for the 8k_zh engine only)	Integer	Yes
ResTextFormat	Request.Operation.SpeechRecognition	Format of the returned recognition result. 0: recognition result text, including the list of segment timestamps 1: recognition result details, including the list of word timestamps (generally used to generate subtitles and for the 16 kHz Mandarin engine only).	Integer	Yes
FilterDirty	Request.Operation.SpeechRecognition	Whether to filter restricted words (for the Mandarin engine only). 0: Does not filter. 1: Filters. 2: Replaces restricted words with *. Default value: 0.	Integer	No

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FilterModal	Request.Operation.Speech Recognition	Whether to filter modal particles (for the Mandarin engine only). 0: Does not filter. 1: Filters partially. 2: Filters strictly. Default value: 0.	Integer	No
ConvertNumMode	Request.Operation.Speech Recognition	Whether to intelligently convert Chinese numbers to Arabic numerals (for the Mandarin engine only): 0: Directly outputs Chinese numbers. 1: Intelligently converts based on the scenario. Default value: 1.	Integer	No

`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Region	Request.Operation.Output	Bucket region	String	Yes
Bucket	Request.Operation.Output	Result storage bucket	String	Yes
Object	Request.Operation.Output	Result file name	String	Yes

Response

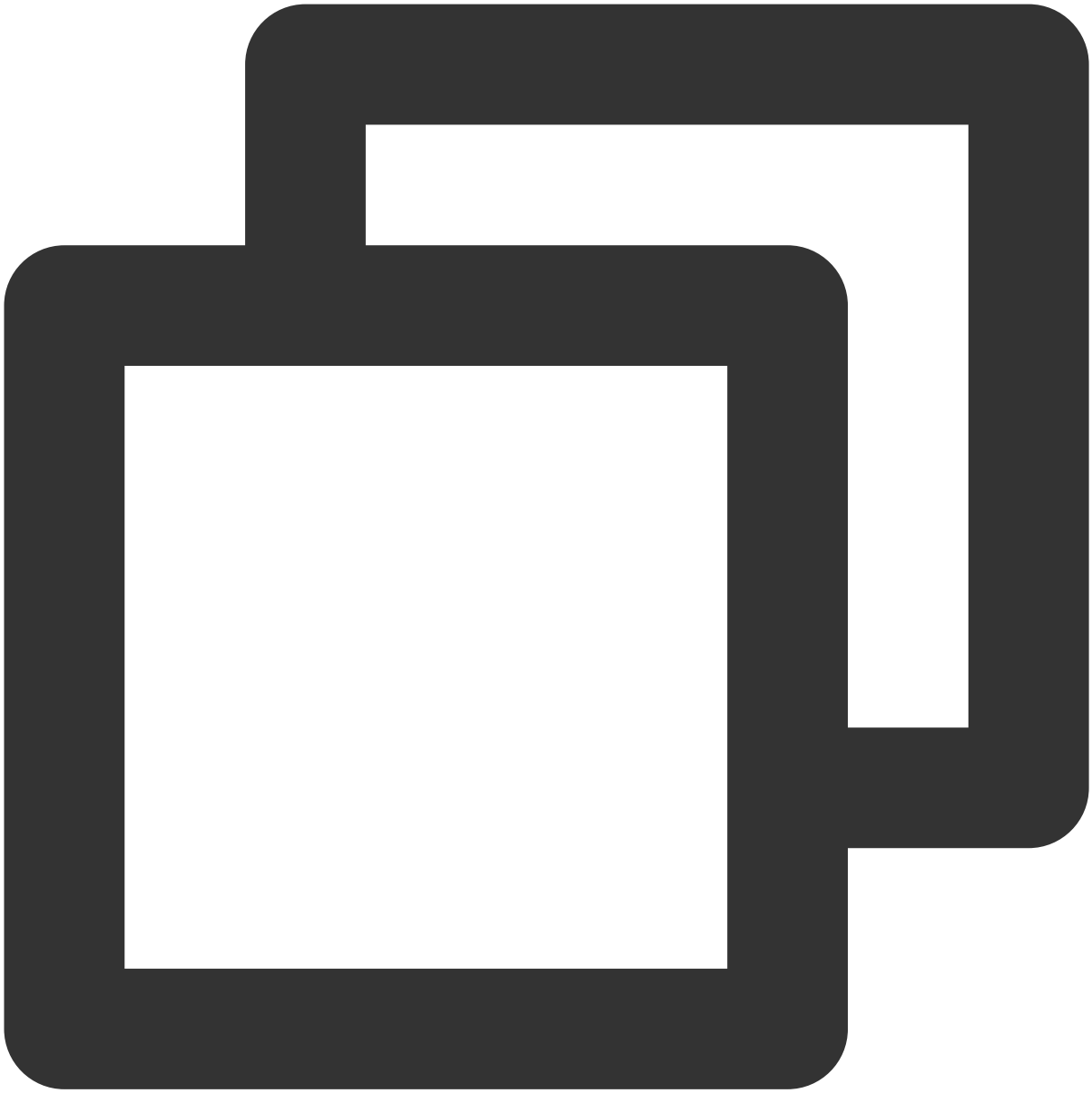
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2021-08-05T15:43:50+0800</CreationTime>
        <EndTime>-</EndTime>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.mp3</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <JobId>s58ccb634149211ed84ce2b1cd7fbb14a</JobId>
```

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```
        <Message/>
        <Operation>
            <JobLevel>0</JobLevel>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/asr.txt</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <SpeechRecognition>
                <ChannelNum>1</ChannelNum>
                <ConvertNumMode>0</ConvertNumMode>
                <EngineModelType>16k_zh_video</EngineModelType>
                <FilterDirty>0</FilterDirty>
                <FilterModal>0</FilterModal>
                <FilterPunc>0</FilterPunc>
                <OutputFileType>txt</OutputFileType>
                <ResTextFormat>0</ResTextFormat>
                <SpeakerDiarization>0</SpeakerDiarization>
                <SpeakerNumber>0</SpeakerNumber>
            </SpeechRecognition>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
        <StartTime>-</StartTime>
        <State>Submitted</State>
        <Tag>SpeechRecognition</Tag>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type

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Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type: SpeechRecognition	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue where the job is in	String
Input	Response.JobsDetail	Same as the `Request.Input` node in the request	Container
Operation	Response.JobsDetail	Operation rule. Up to 6 operation rules are supported.	Container

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
SpeechRecognition	Response.JobsDetail.Operation	Same as `Request.Operation.SpeechRecognitio` in the request.
Output	Response.JobsDetail.Operation	Same as `Request.Operation.Output` in the request.
UserData	Response.JobsDetail.Operation	The user information passed through.
JobLevel	Response.JobsDetail.Operation	Job priority
SpeechRecognitionResult	Response.JobsDetail.Operation	Speech recognition job result. It is not returned when there is no result.

`SpeechRecognitionResult` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type
AudioTime	Response.JobsDetail.Operation.SpeechRecognitionResult	Audio duration (seconds)	String
Result	Response.JobsDetail.Operation.SpeechRecognitionResult	Speech recognition result	String
FlashResult	Response.JobsDetail.Operation.SpeechRecognitionResult	Result of fast speech recognition	Container array
ResultDetail	Response.JobsDetail.Operation.SpeechRecognitionResult	Recognition result details, including the time offsets of words in each sentence (generally used to generate subtitles). This field will not be empty if `ResTextFormat` in the speech recognition request is `1`. Note: This field may be empty, indicating that no valid values can be obtained.	Container array

`FlashResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
channel_id	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult	Sound channel ID, which starts from 0 and is corresponding to the number of audio channels
text	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult	Complete audio recognition results of the sound channel

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sentence_list	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult	List of recognition results at sentence/paragraph level

`sentence_list` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Descriptio
text	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult.sentence_list	Sentence/ level text
start_time	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult.sentence_list	Start time
end_time	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult.sentence_list	End time
speaker_id	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult.sentence_list	Speaker ID speaker_d is set in the speakers c distinguish `speaker`
word_list	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult.sentence_list	List of reco results at w

`word_list` has the following sub-nodes:

Node Name (Keyword)	Parent Node	D
word	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult.sentence_list.word_list	W te
start_time	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult.sentence_list.word_list	S
end_time	Response.JobsDetail.Operation.SpeechRecognitionResult.FlashResult.sentence_list.word_list	E

`ResultDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description

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FinalSentence	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail	Final recognition result of a single sentence
SliceSentence	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail	Middle recognition result of a single sentence, which is split into multiple words using spaces
StartMs	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail	Start time of a single sentence (millisecond)
EndMs	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail	End time of a single sentence (millisecond)
WordsNum	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail	Number of words in a single sentence
SpeechSpeed	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail	Speed of a single sentence. Unit: words/second
SpeakerId	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail	Sound channel or speaker ID (If speaker_diarization is set or `ChannelNum` is set to `Dual` in the request, the speakers or channels can be distinguished.)
Words	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail	Word details in a single sentence

`Words` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Word	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail.Words	Word text

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OffsetStartMs	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail.Words	Start time offset in a sentence
OffsetEndMs	Response.JobsDetail.Operation.SpeechRecognitionResult.ResultDetail.Words	End time offset in a sentence

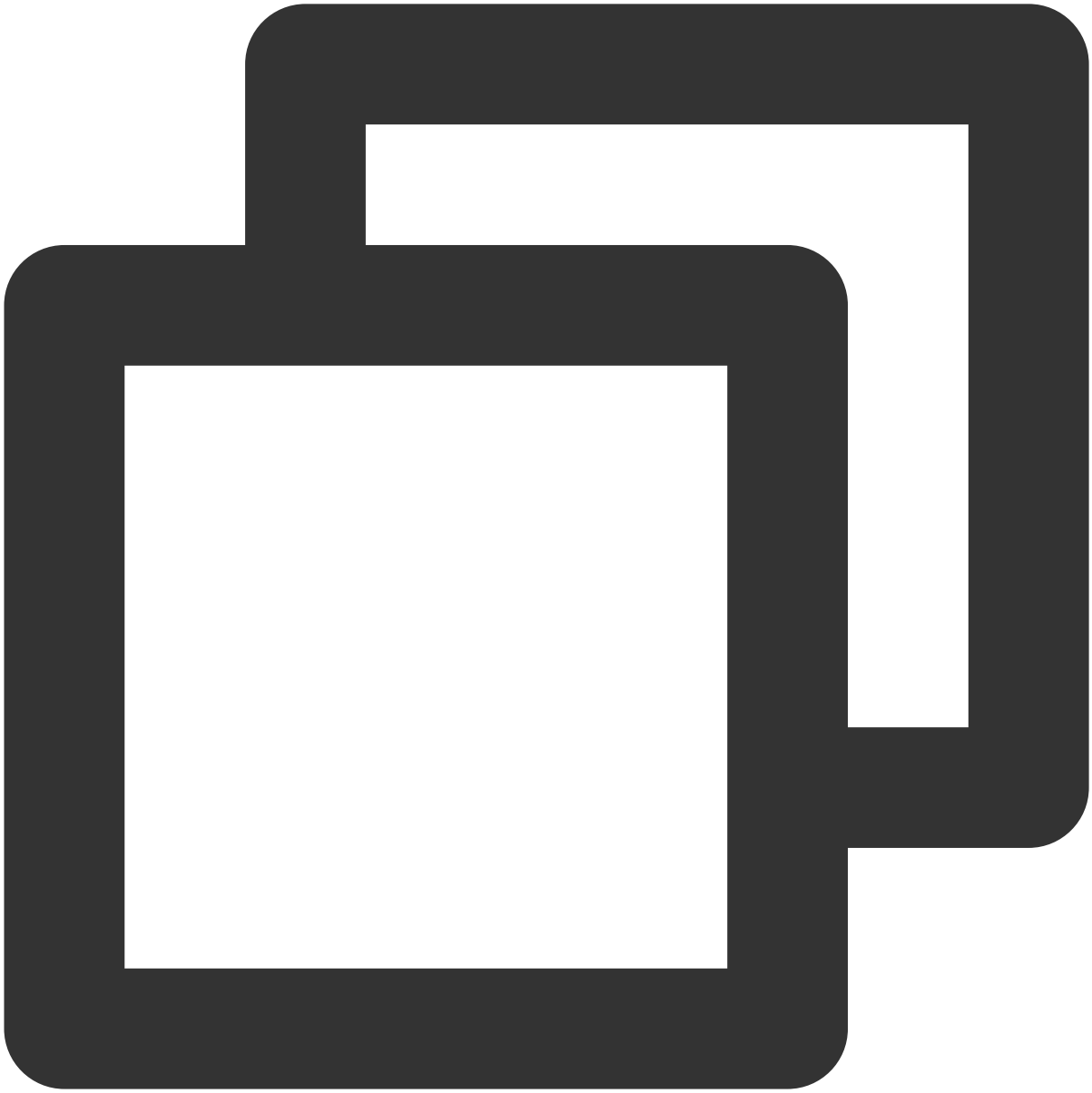
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

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```
POST /asr_jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

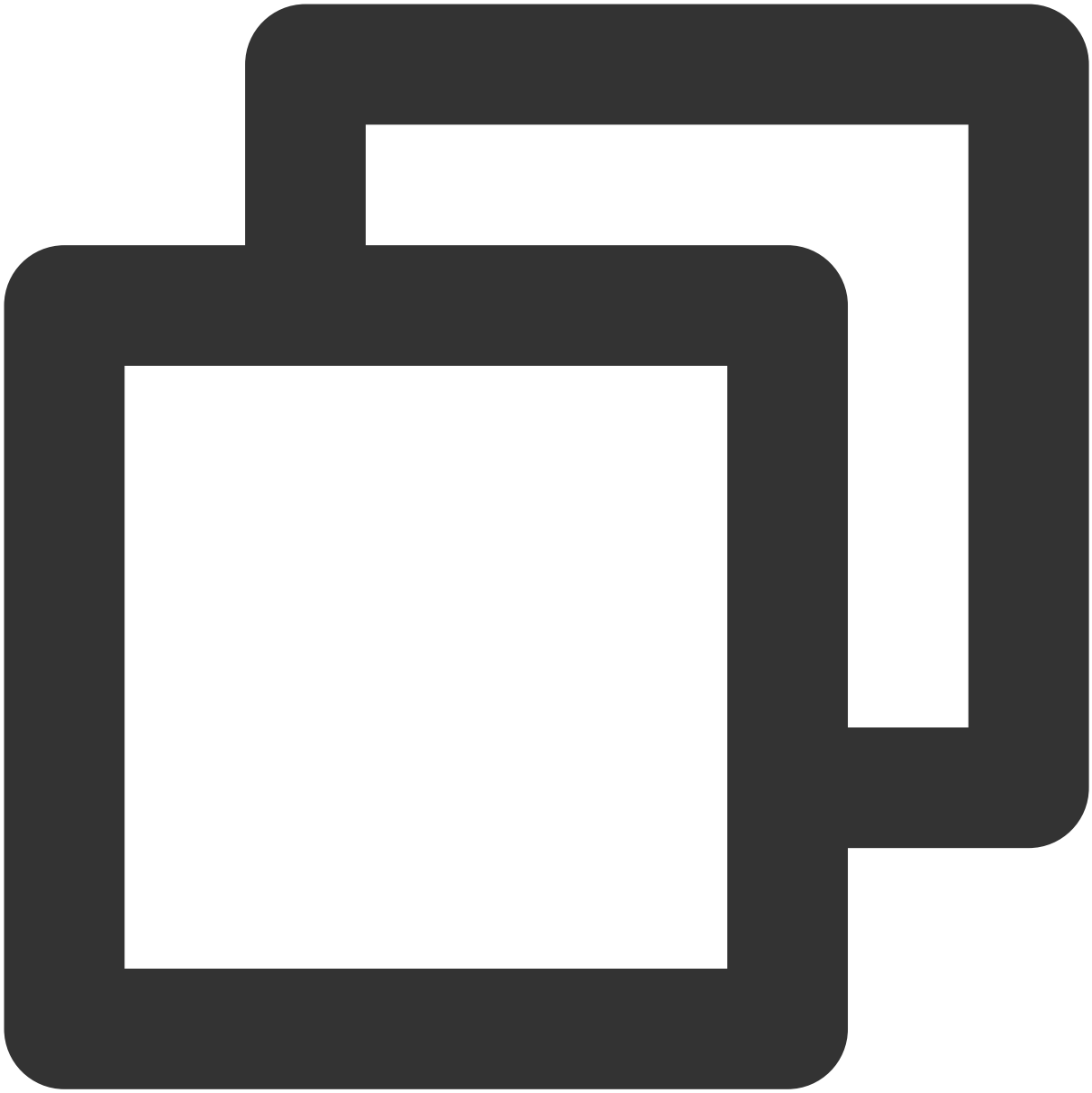
<Request>
    <Tag>SpeechRecognition</Tag>
    <Input>
        <Object>input/test.mp3</Object>
    </Input>
```

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```
    <Operation>
        <SpeechRecognition>
            <EngineModelType>16k_zh_video</EngineModelType>
            <ChannelNum>1</ChannelNum>
            <FilterDirty>1</ChannelNum>
            <FilterModal>1</ChannelNum>
        </SpeechRecognition>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-123456789</Bucket>
            <Object>output/asr.txt</Object>
        </Output>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <CreationTime>2021-08-05T15:43:50+0800</CreationTime>
        <EndTime>-</EndTime>
        <Input>
            <BucketId>test-1234567890</BucketId>
            <Object>input/test.mp3</Object>
            <Region>ap-chongqing</Region>
        </Input>
        <JobId>s58ccb634149211ed84ce2b1cd7fbb14a</JobId>
        <Message/>
        <Operation>
            <JobLevel>0</JobLevel>
            <Output>
                <Bucket>test-1234567890</Bucket>
                <Object>output/asr.txt</Object>
                <Region>ap-chongqing</Region>
            </Output>
            <SpeechRecognition>
                <ChannelNum>1</ChannelNum>
                <ConvertNumMode>0</ConvertNumMode>
                <EngineModelType>16k_zh_video</EngineModelType>
                <FilterDirty>0</FilterDirty>
                <FilterModal>0</FilterModal>
                <FilterPunc>0</FilterPunc>
                <OutputFileType>txt</OutputFileType>
                <ResTextFormat>0</ResTextFormat>
                <SpeakerDiarization>0</SpeakerDiarization>
                <SpeakerNumber>0</SpeakerNumber>
            </SpeechRecognition>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
        <StartTime>-</StartTime>
        <State>Submitted</State>
        <Tag>SpeechRecognition</Tag>
    </JobsDetail>
</Response>
```

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Submitting Word Segmentation Job

Last updated：2024-02-27 15:52:05

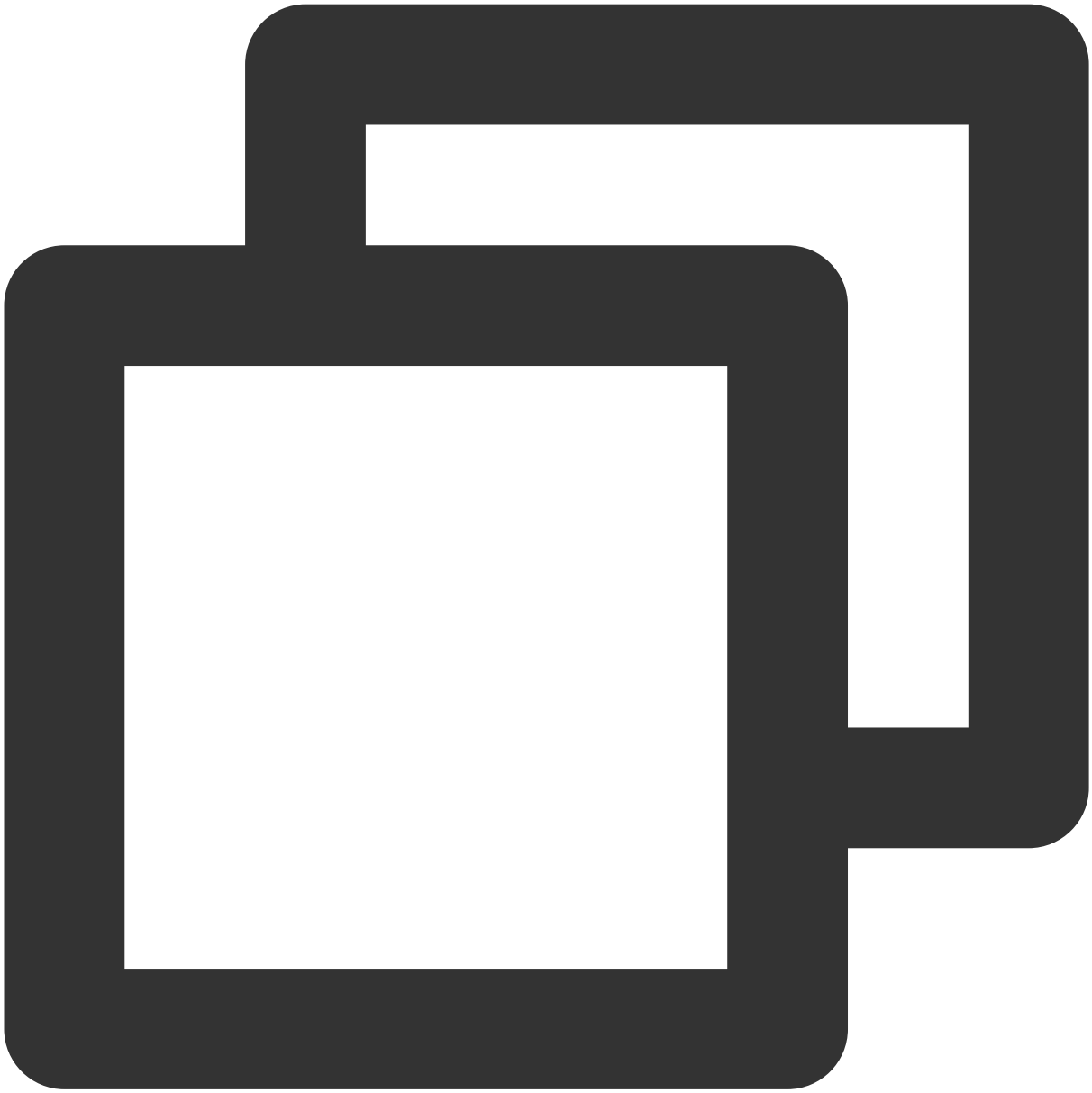
Feature Description

This API is used to submit a word segmentation job.

Request

Sample request

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```
POST /ai_jobs HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (See Request Signature for details.)

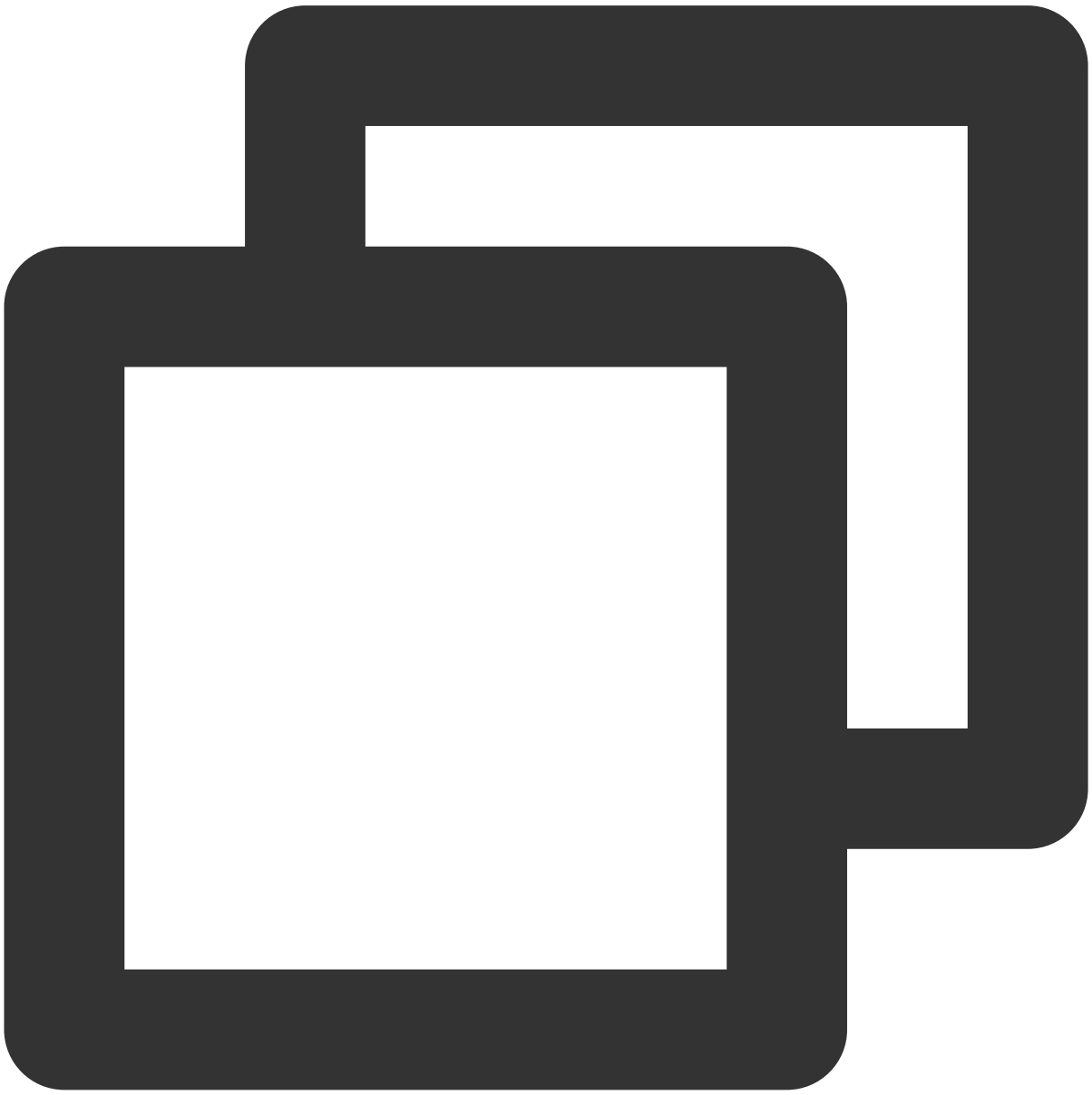
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>WordsGeneralize</Tag>
    <Input>
        <Object>text.txt</Object>
    </Input>
    <Operation>
        <WordsGeneralize>
            <NerMethod>DL</NerMethod>
            <SegMethod>MIX</SegMethod>
        </WordsGeneralize>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Job tag: WordsGeneralize	String	Yes
Input	Request	Information about the object to be operated	Container	Yes
Operation	Request	Operation rule	Container	Yes
QueueId	Request	ID of the queue where the job is in	String	Yes
CallBackFormat	Request	Job callback format, which can be `JSON` or `XML` (default value). It has a higher priority than that of the queue.	String	No
CallBackType	Request	Job callback type, which can be `Url` (default value) or `TDMQ` . It has a higher priority than that of the queue.	String	No

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CallBack	Request	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request	TDMQ configuration for job callback as described in Structure, which is required if `CallBackType` is `TDMQ`.	Container	No

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Object	Request.Input	Media filename	String	Yes

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
WordsGeneralize	Request.Operation	Word segmentation parameter	Container	Yes
UserData	Request.Operation	The user information passed through, which is printable ASCII codes of up to 1,024 in length.	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No

`WordsGeneralize` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
NerMethod	Request.Operation.WordsGeneralize	NER method. Default value: `DL`.	String	No	`NerBasic` or `DL`
SegMethod	Request.Operation.WordsGeneralize	Word segmentation granularity. Default	String	No	`SegBasic` or `MIX`

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		value: `MIX` .			

Response

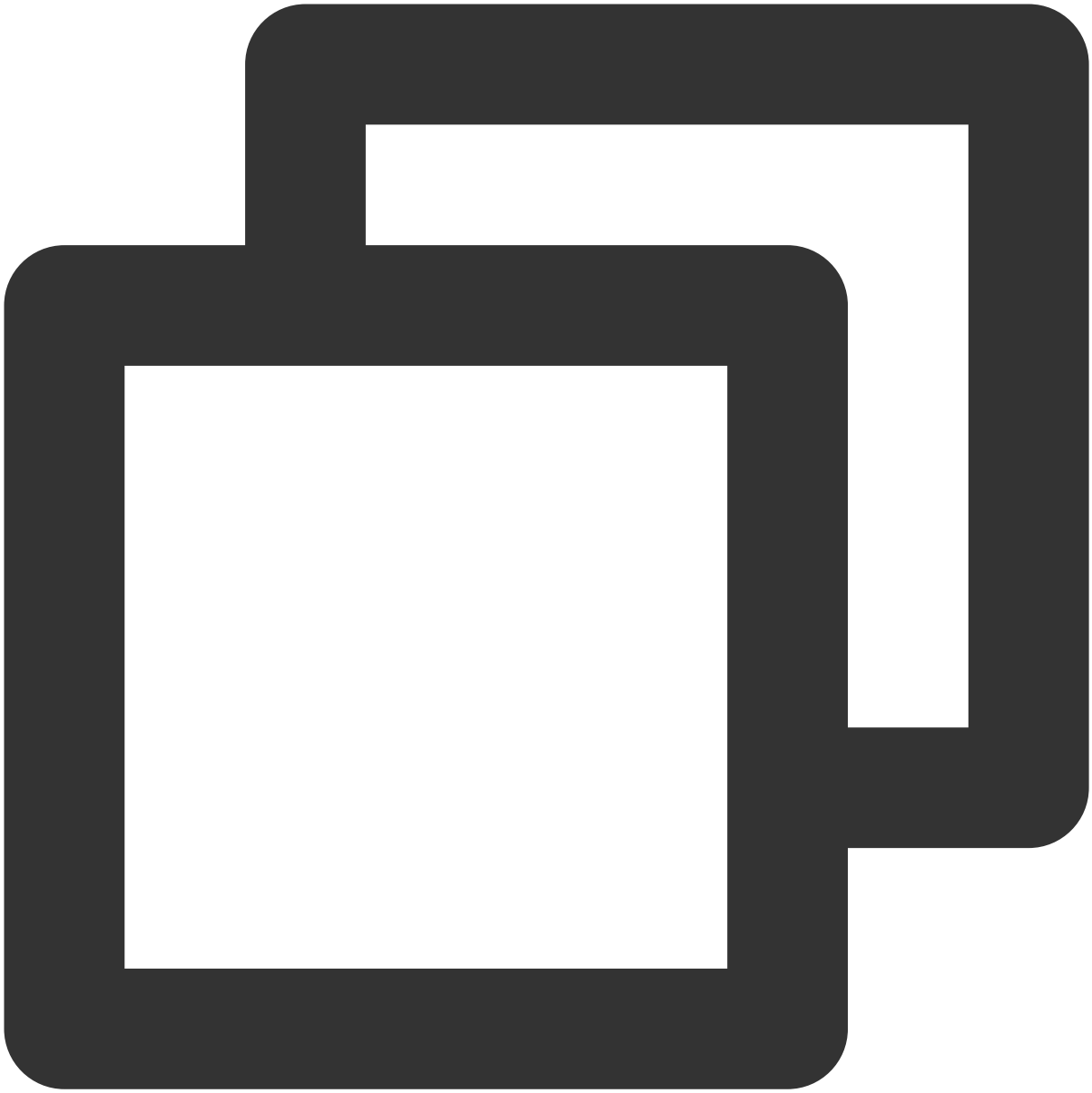
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <JobId>ac7c990a00bf211ed946af9e0691f2b7a</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
        <Tag>WordsGeneralize</Tag>
```

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```
        <Input>
            <Object>text.txt</Object>
        </Input>
        <Operation>
            <WordsGeneralize>
                <NerMethod>DL</NerMethod>
                <SegMethod>MIX</SegMethod>
            </WordsGeneralize>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
JobId	Response.JobsDetail	Job ID	String
Tag	Response.JobsDetail	Job type: `WordsGeneralize`	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String

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EndTime	Response.JobsDetail	Job end time	String
QueueId	Response.JobsDetail	ID of the queue where the job is in	String
Input	Response.JobsDetail	Same as the `Request.Input` node in the request	Container
Operation	Response.JobsDetail	Operation rule. Up to 6 operation rules are supported.	Container

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
WordsGeneralize	Response.JobsDetail.Operation	Same as `Request.Operation.WordsGeneralize` in the request.
UserData	Response.JobsDetail.Operation	The user information passed through.
JobLevel	Response.JobsDetail.Operation	Job priority
WordsGeneralizeResult	Response.JobsDetail.Operation	Word segmentation result, which will be returned if the job is executed successfully.

`WordsGeneralizeResult` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
WordsGeneralizeLable	Response.JobsDetail.Operation.WordsGeneralizeResult	Smart categorization result	Contain array
WordsGeneralizeToken	Response.JobsDetail.Operation.WordsGeneralizeResult	Detailed word segmentation result	Contain array

`WordsGeneralizeLable` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	
Category	Response.JobsDetail.Operation.WordsGeneralizeResult.WordsGeneralizeLable	Category	
Word	Response.JobsDetail.Operation.WordsGeneralizeResult.WordsGeneralizeLable	Word	

`WordsGeneralizeToken` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description
Word	Response.JobsDetail.Operation.WordsGeneralizeResult.WordsGeneralizeToken	Word
Offset	Response.JobsDetail.Operation.WordsGeneralizeResult.WordsGeneralizeToken	Offset
Length	Response.JobsDetail.Operation.WordsGeneralizeResult.WordsGeneralizeToken	Word length
Pos	Response.JobsDetail.Operation.WordsGeneralizeResult.WordsGeneralizeToken	Part of speech

See the subscript for the part of speech:

Value	Description
A	Adjective
AD	Adverbial adjective
AN	Nominal adjective
B	Distinguishing word
C	Conjunction
D	Adverb
E	Interjection
F	Locality word
G	Morpheme
H	Preceding component
I	Idiom
J	Abbreviation
K	Trailing component
L	Idiom
M	Numeral
N	Noun

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NR	Person name
NRF	Surname
NRG	First name
NS	Place name
NT	Organization
NZ	Other proper names
NX	Non-Chinese string
O	Onomatopoeia
P	Preposition
Q	Quantifier
R	Pronoun
S	Location word
T	Time word
U	Particle
V	Verb
VD	Adverbial verb
VN	Nominal verb
W	Punctuation
X	Non-morpheme word
Y	Modal particle
Z	State word
AG	Adjective morpheme
BG	Distinguishing morpheme
DG	Adverbial morpheme
MG	Numeral morpheme

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NG	Nominal morpheme
QG	Quantifying morpheme
RG	Pronominal morpheme
TG	Verbal morpheme
VG	Quantifying morpheme
YG	Modal morpheme
ZG	State morpheme
UNK	Unknown

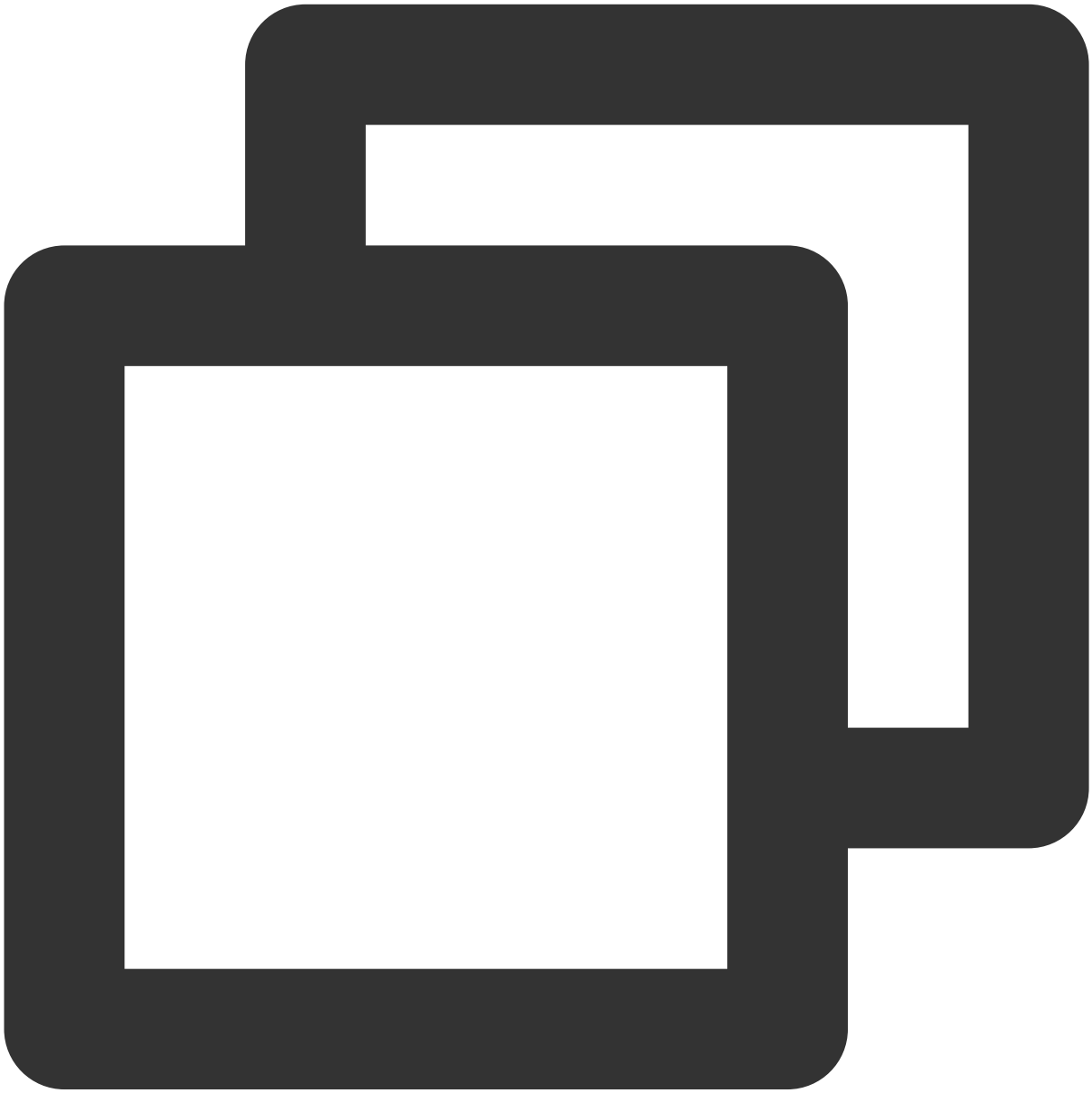
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

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```
POST /ai_jobs HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

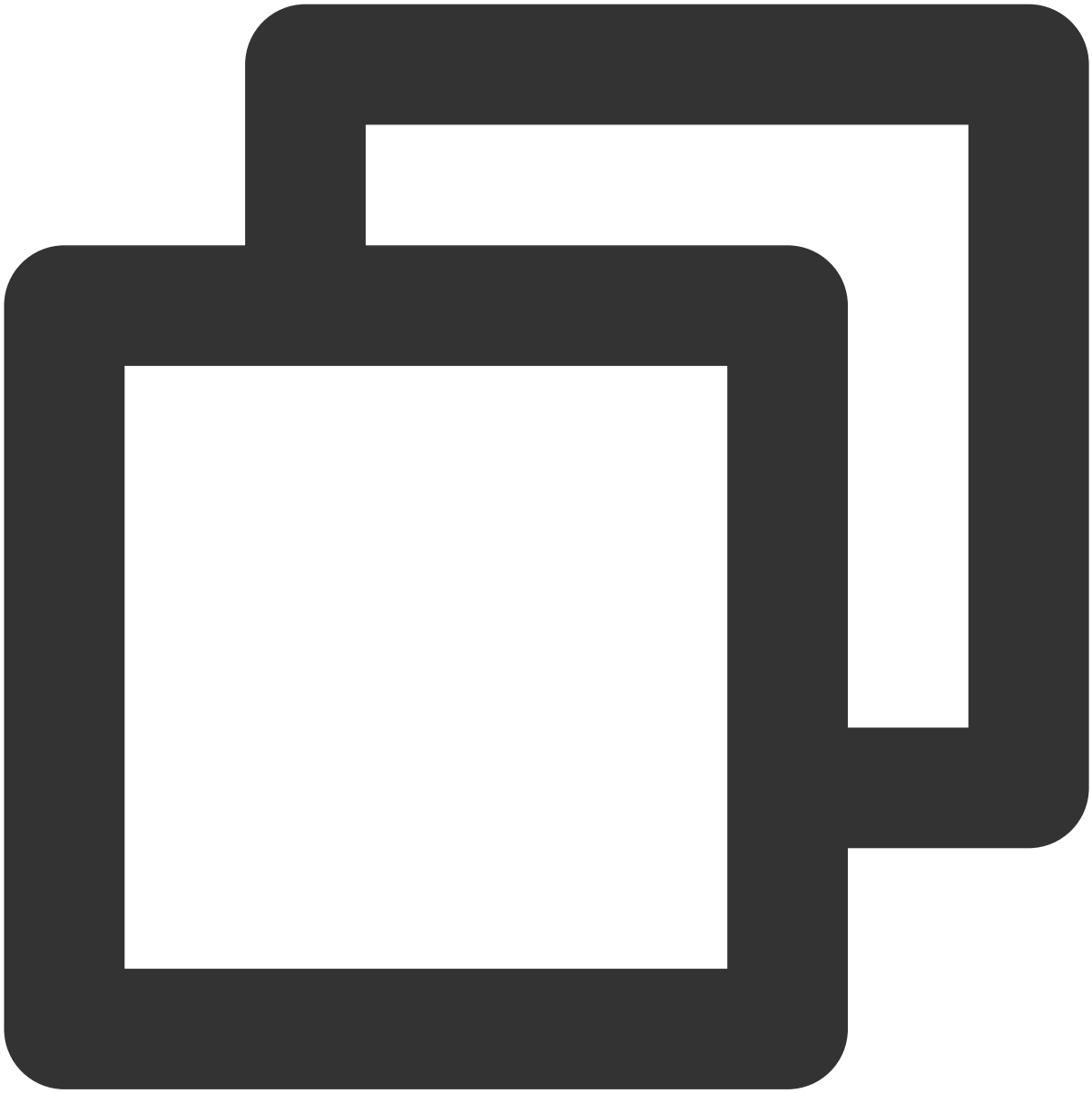
<Request>
    <Tag>WordsGeneralize</Tag>
    <Input>
        <Object>text.txt</Object>
    </Input>
```

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```
    <Operation>
        <WordsGeneralize>
            <NerMethod>DL</NerMethod>
            <SegMethod>MIX</SegMethod>
        </WordsGeneralize>
        <UserData>This is my data.</UserData>
        <JobLevel>0</JobLevel>
    </Operation>
    <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
    <CallBack>http://callback.demo.com</CallBack>
    <CallBackFormat>JSON<CallBackFormat>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message/>
        <JobId>ac7c990a00bf211ed946af9e0691f2b7a</JobId>
        <State>Submitted</State>
        <CreationTime>2022-06-27T14:44:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <QueueId>pcd463e1467964d39ad2d3f66aacd8199</QueueId>
        <Tag>WordsGeneralize</Tag>
        <Input>
            <Object>text.txt</Object>
        </Input>
        <Operation>
            <WordsGeneralize>
                <NerMethod>DL</NerMethod>
                <SegMethod>MIX</SegMethod>
            </WordsGeneralize>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Canceling Content Recognition Job

Last updated：2024-02-27 15:52:05

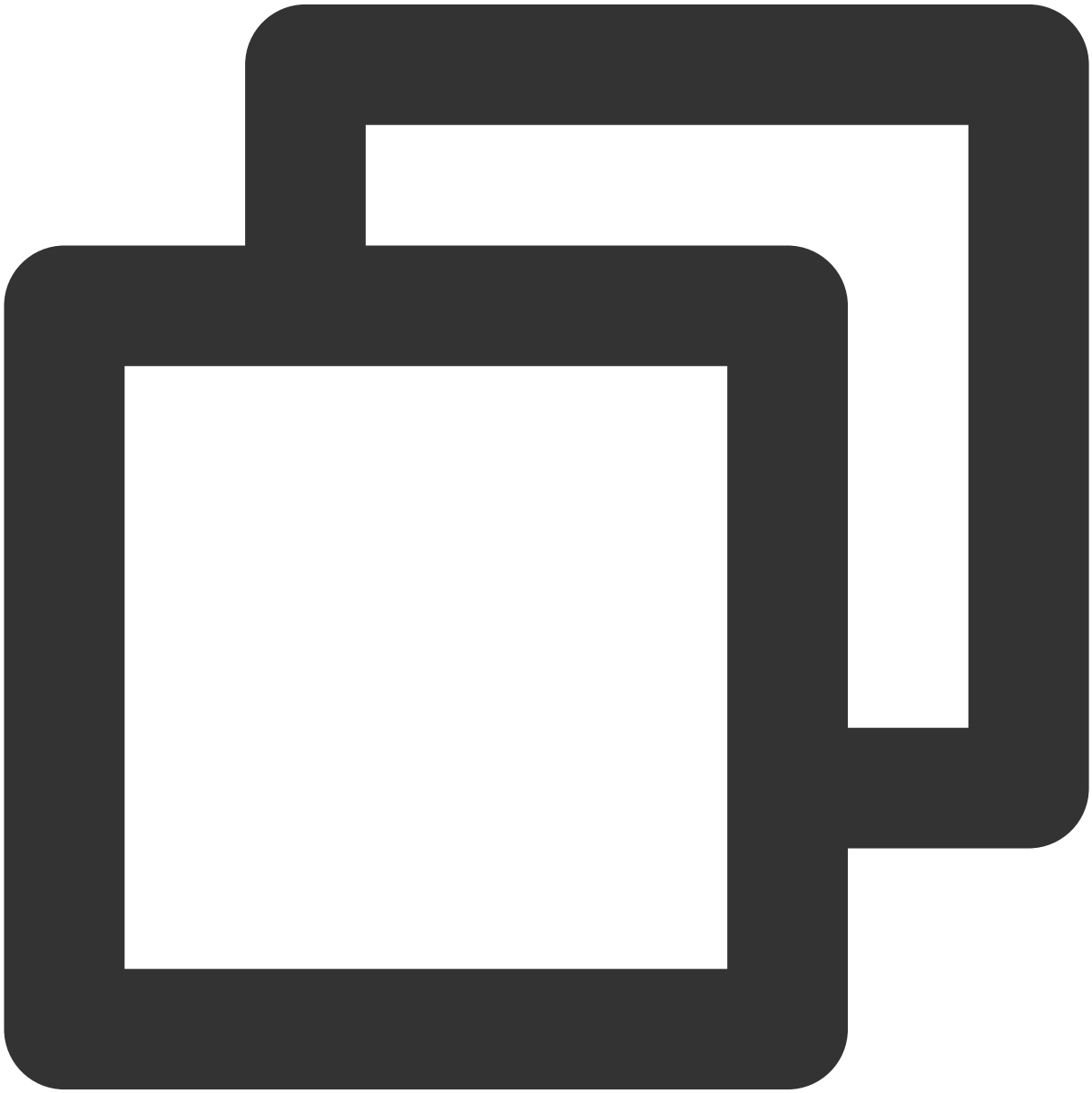
Feature Description

This API (`CancelAIJob`) is used to cancel a job. Only pending jobs can be canceled.

Request

Sample request

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```
PUT /ai_jobs/<jobId>?cancel HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

This request has no response body.

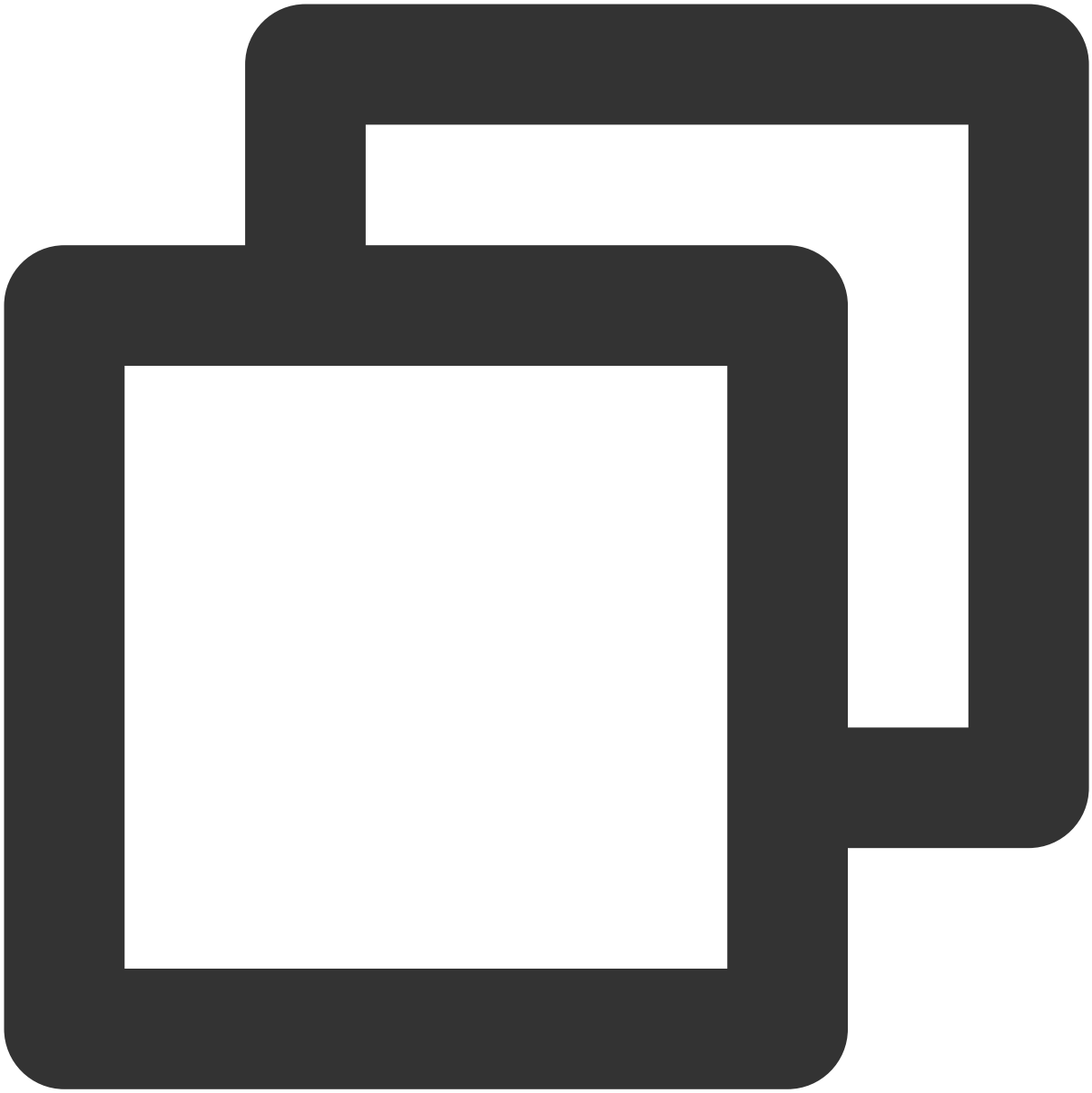
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

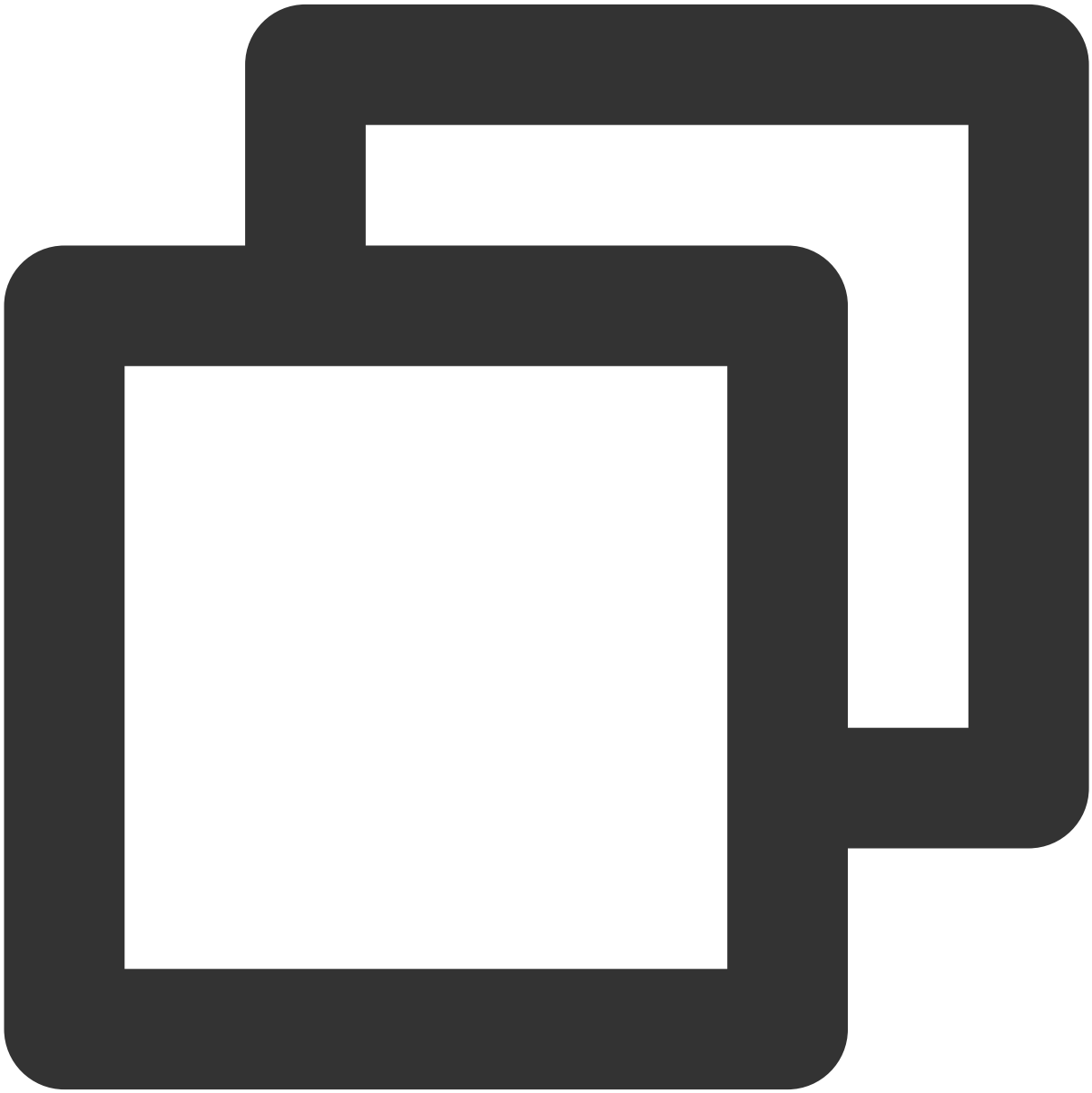
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```
PUT /ai_jobs/a-xxx-xxx-xxx-xxxx?cancel HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Length: 0
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=
```

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Querying Content Recognition Job

Querying Content Recognition Job

Last updated：2024-02-27 15:52:06

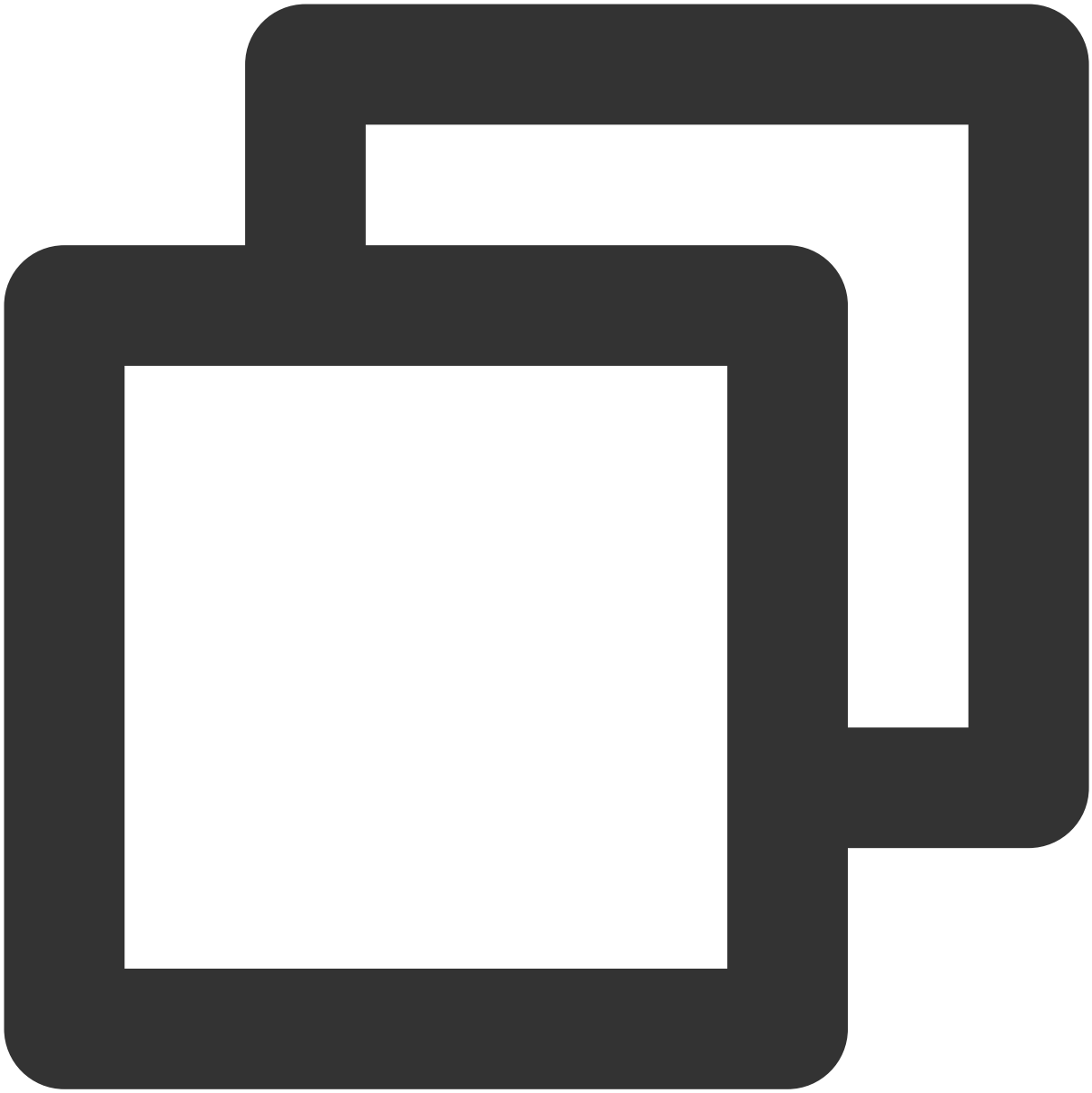
Feature Description

This API is used to query a specified job.

Request

Sample request

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```
GET /ai_jobs/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses Common Request Headers.

Request body

This request does not have a request body.

Response

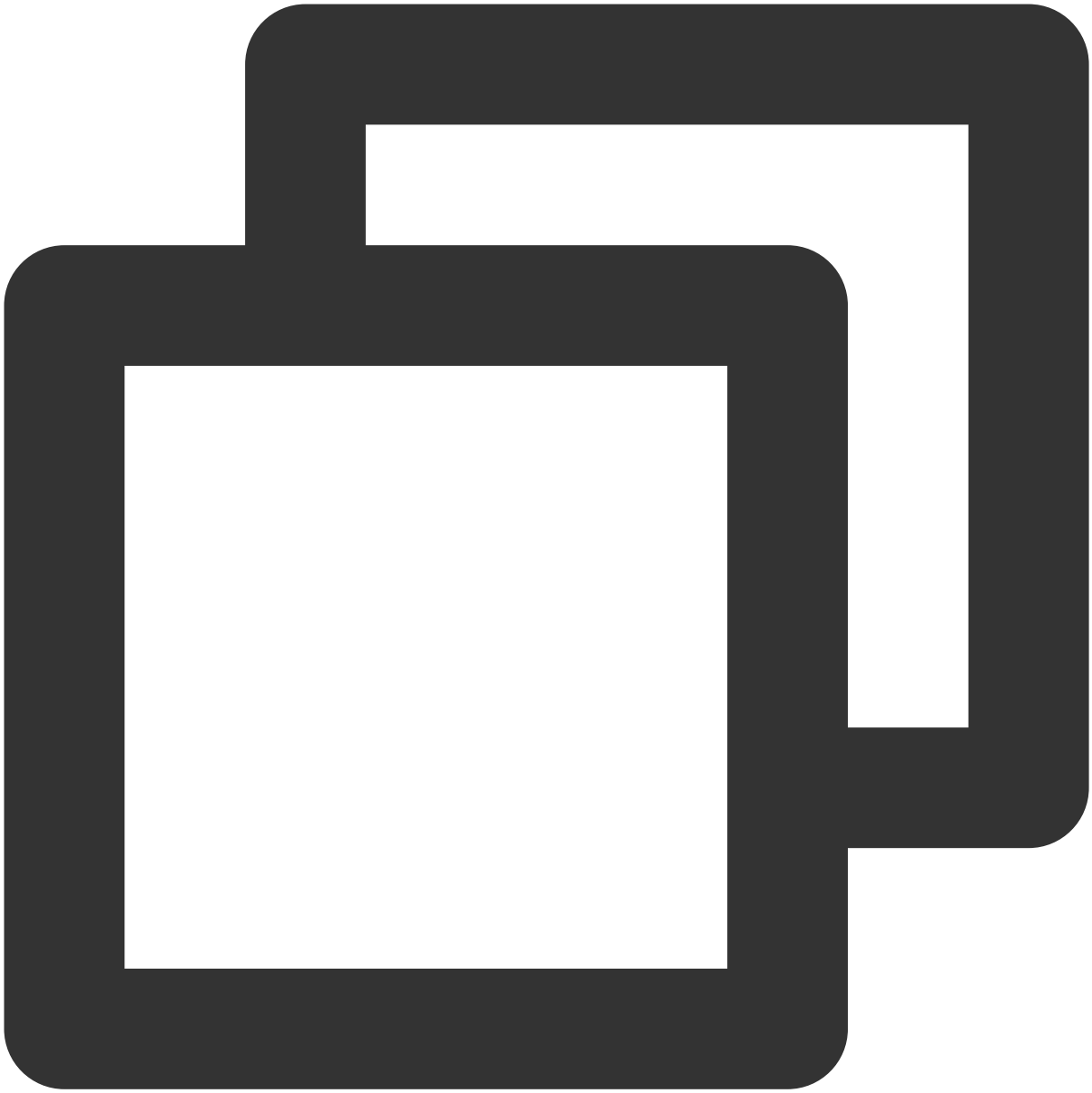
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
    </JobsDetail>
    <NonExistJobIds></NonExistJobIds>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node is not returned.	String

The content of `JobsDetail` varies by job type. For more information, see the following documents:

Translation

Word Segmentation

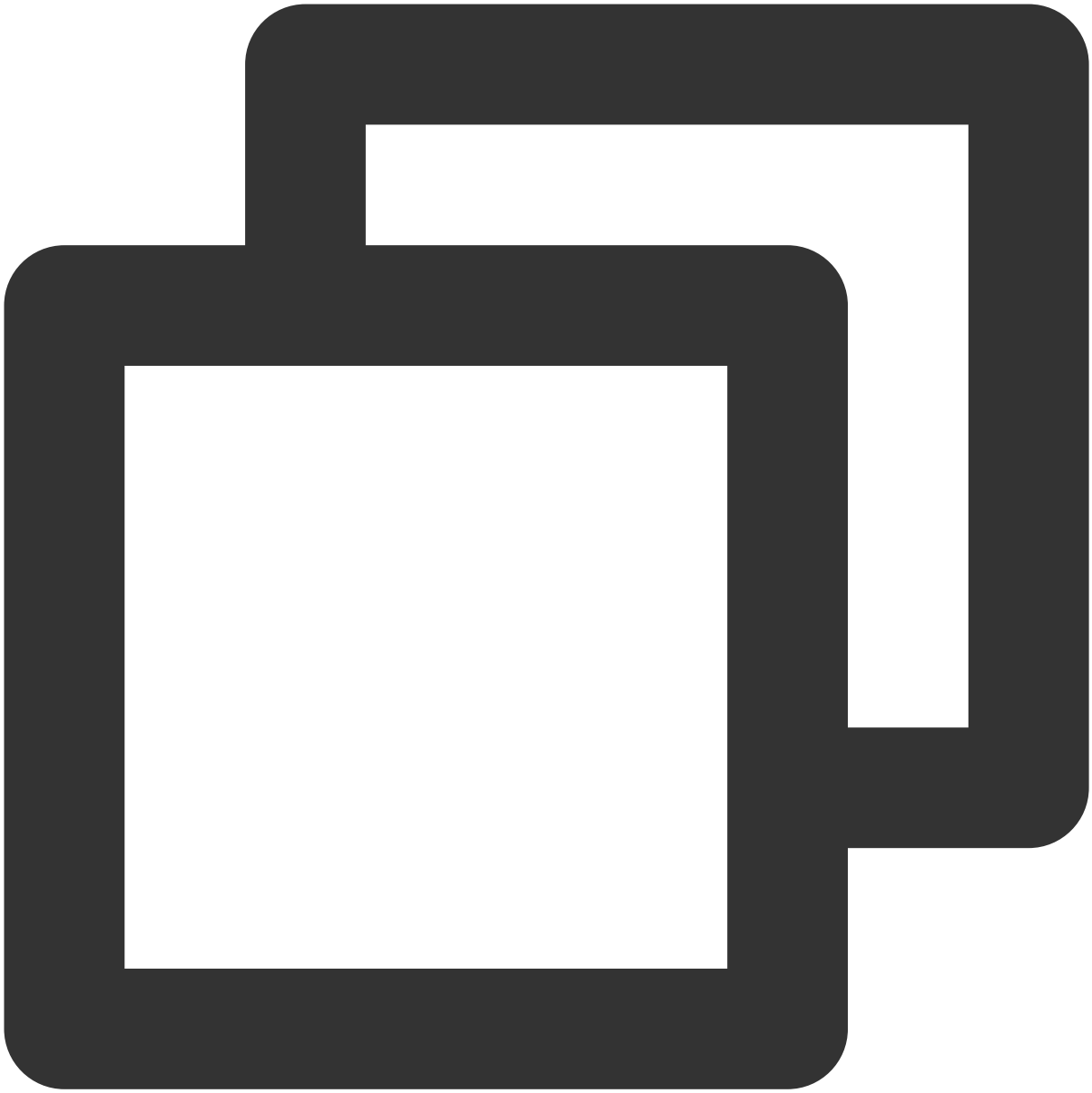
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

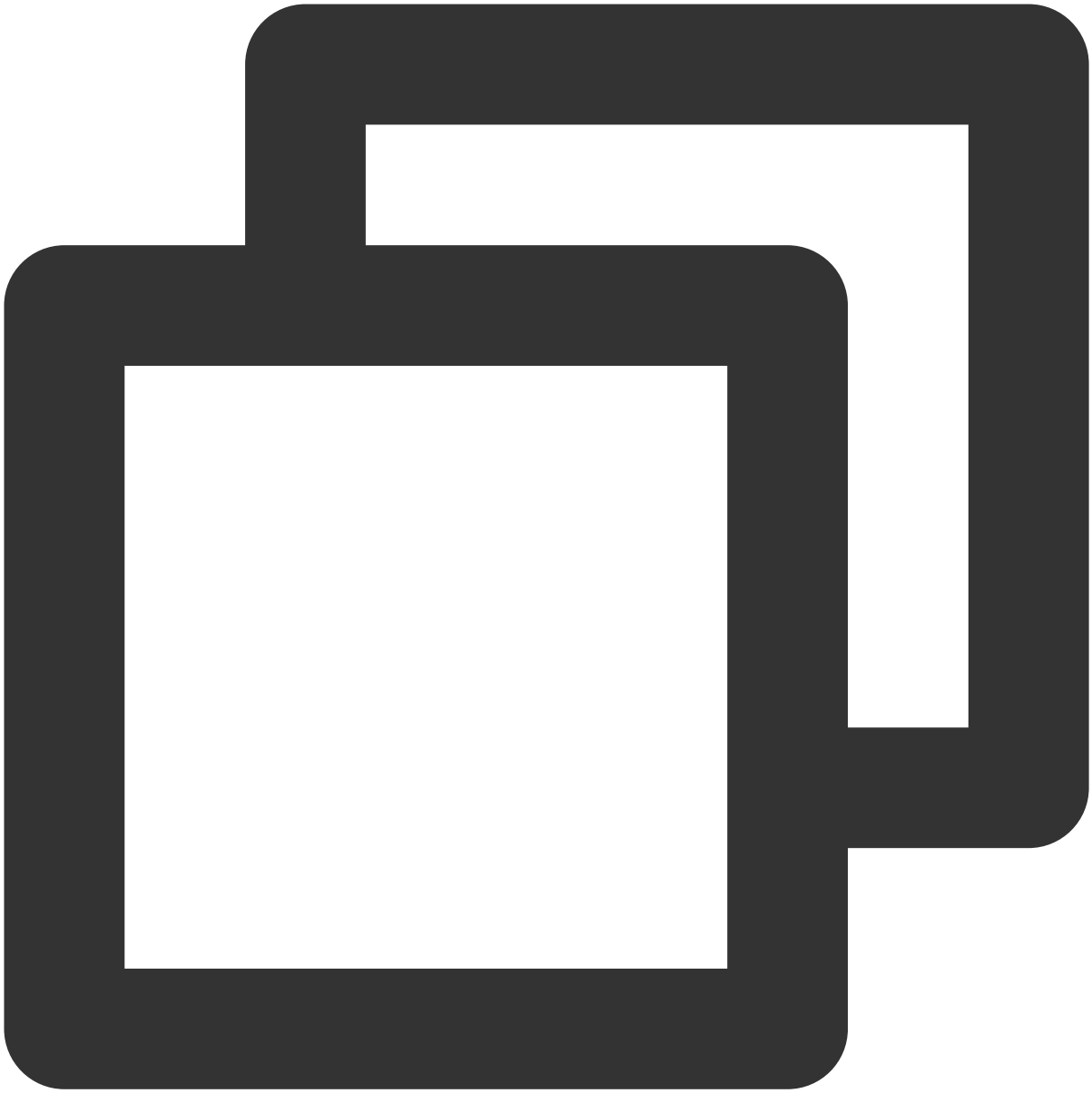
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```
GET /ai_jobs/a8d121820f5e411ec926ef19d53ba9c6f HTTP/1.1
Accept: */*
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTRfMThhYTk0MGFfYmU1Nl8xNTk=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message></Message>
        <JobId>a8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Running</State>
        <CreationTime>2022-07-07T12:12:12+0800</CreationTime>
        <StartTime>2022-07-07T12:12:13+0800</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p893bcda225bf4945a378da6662e81a89</QueueId>
        <Tag>Translation<Tag>
        <Input>
            <Object>test.txt</Object>
            <Lang>zh</Lang>
            <Type>txt</Type>
        </Input>
        <Operation>
            <Translation>
                <Lang>en</Lang>
                <Type>txt</Type>
            </Translation>
            <Output>
                <Region>ap-beijing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>test-result.txt</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Pulling Content Recognition Jobs in Batches

Last updated：2024-02-27 15:52:05

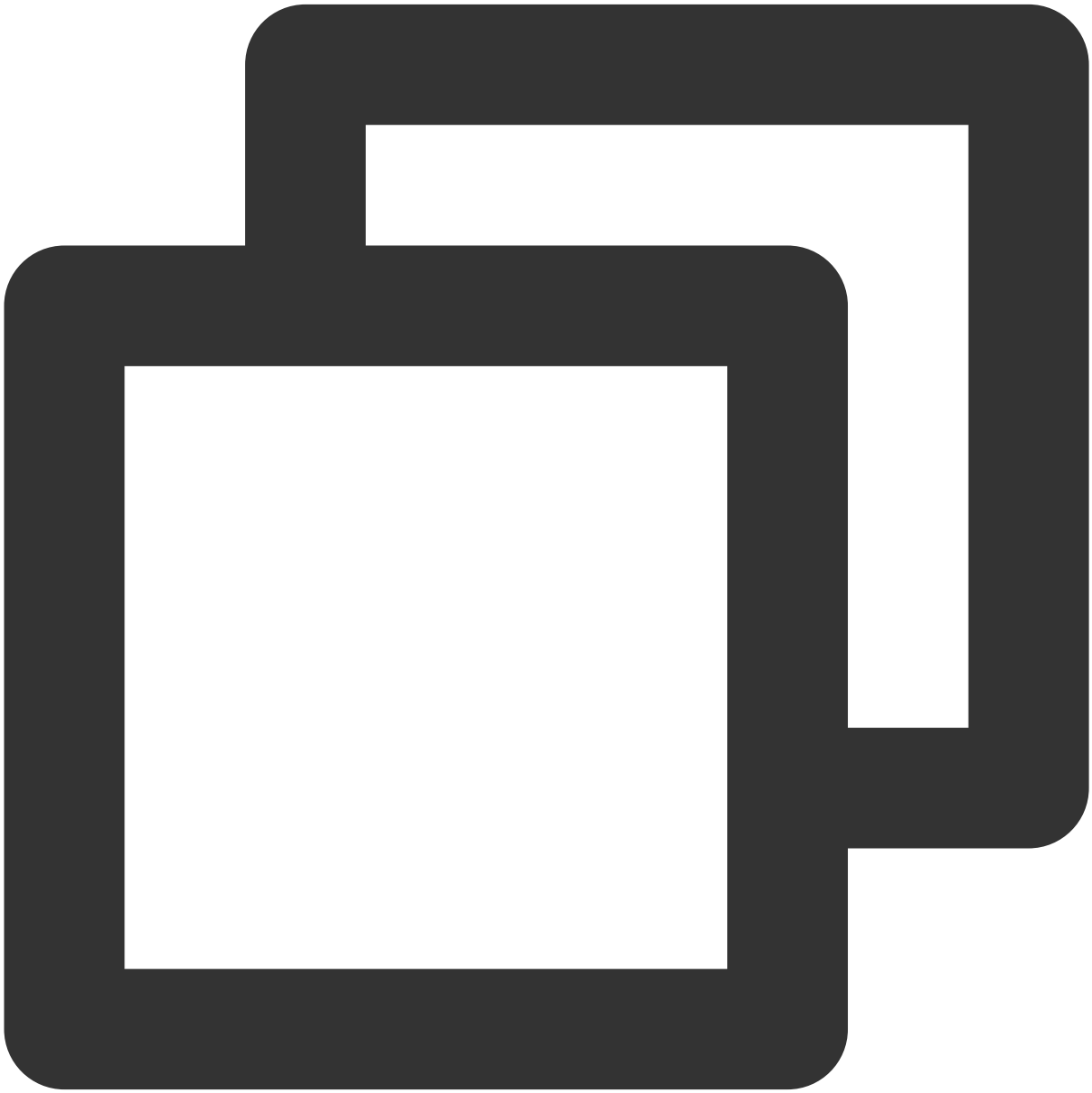
Feature Description

The API is used to pull jobs that meet specified conditions.

Request

Sample request

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```
GET /jobs?size=&states=&queueId=&startCreationTime=&endCreationTime= HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (See Request Signature for details.)

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request parameters

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
queueId	None	ID of the queue from which jobs are pulled	String	Yes
tag	None	Job type	String	Yes
workflowId	None	ID of the workflow triggering this job	String	No
inventoryTriggerJobId	None	ID of the batch data processing job triggering this job	String	No
inputObject	None	Name of the input file for this job, which currently supports only exact match	String	No
orderByTime	None	Desc (default) or Asc	string	No
nextToken	None	Context token for pagination, which is returned for the previous request	String	No
size	None	Maximum number of jobs that can be pulled. The default value is 10. The maximum value is 100.	Integer	No
states	None	Status of the jobs to pull. If you enter multiple job statuses, separate them by comma. Valid values: `All` (default), `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String	No
startCreationTime	None	Start time of the time range for job pulling. Format: `%Y-%m-%dT%H:%m:%S%z`. Example: 2001-01-01T00:00:00+0800	String	No
endCreationTime	None	End time of the time range for job pulling. Format: `%Y-%m-%dT%H:%m:%S%z`. Example: 2001-01-01T23:59:59+0800	String	No

Supported `tag` types are as follows:

Job type	`tag`
Translation	Translation

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Speech recognition	SpeechRecognition
Word segmentation	WordsGeneralize

Request headers

This API only uses Common Request Headers.

Request body

This request does not have a request body.

Response

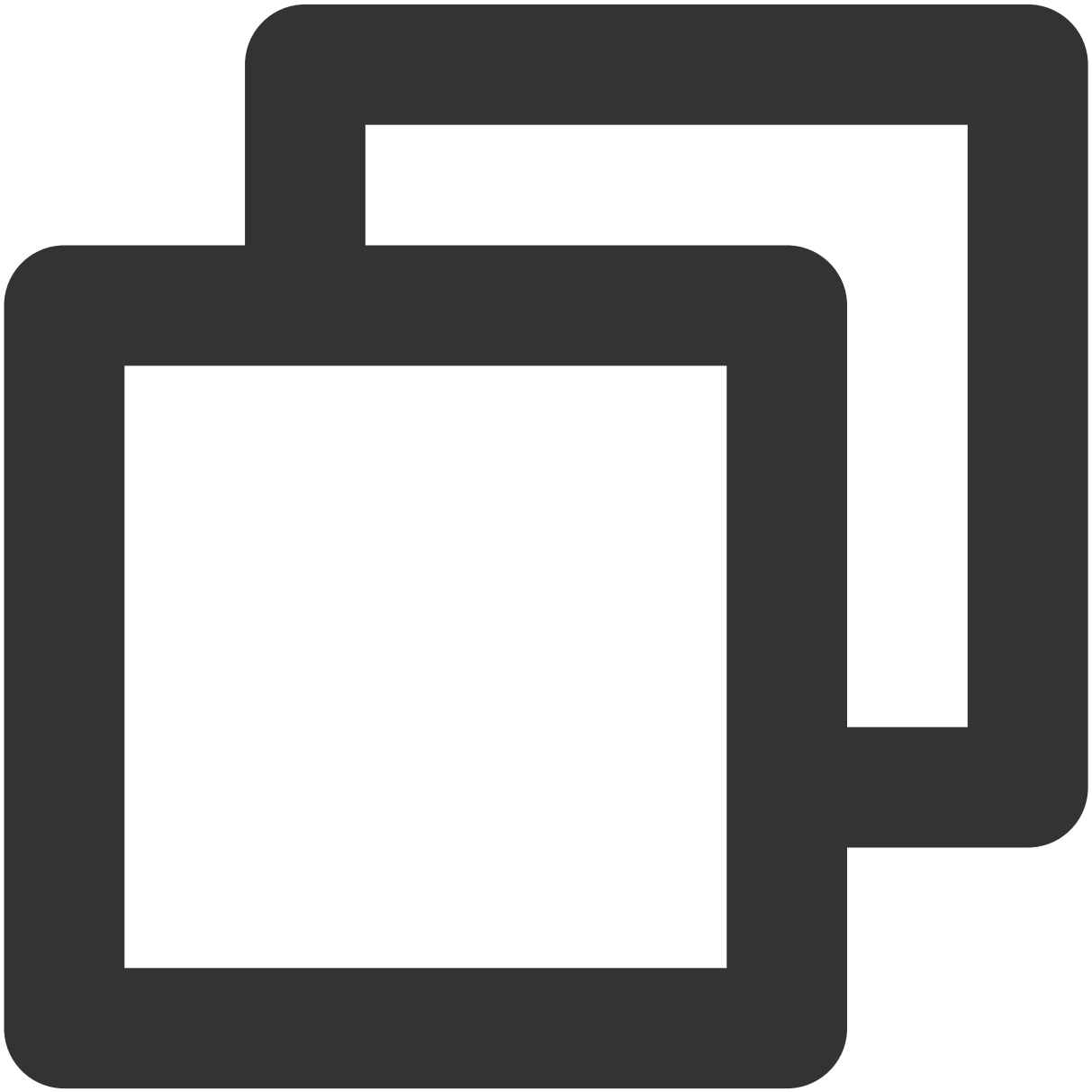
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        ...
    </JobsDetail>
    <NextToken></NextToken>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type

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Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
JobsDetail	Response	Job details	Container array
NextToken	Response	Context token for pagination	String

The content of `JobsDetail` varies by job type. For more information, see the following documents:

Translation

Word Segmentation

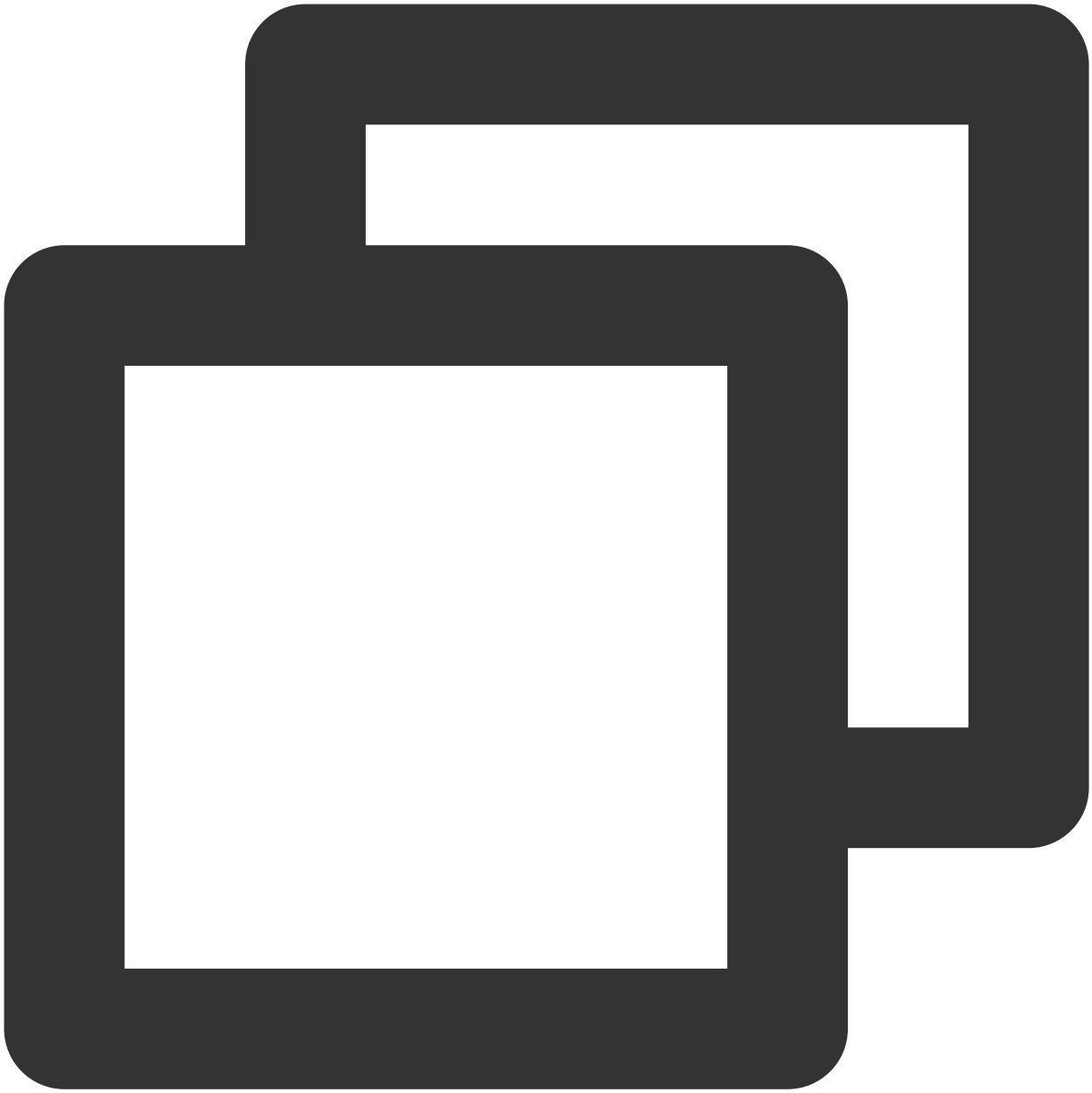
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

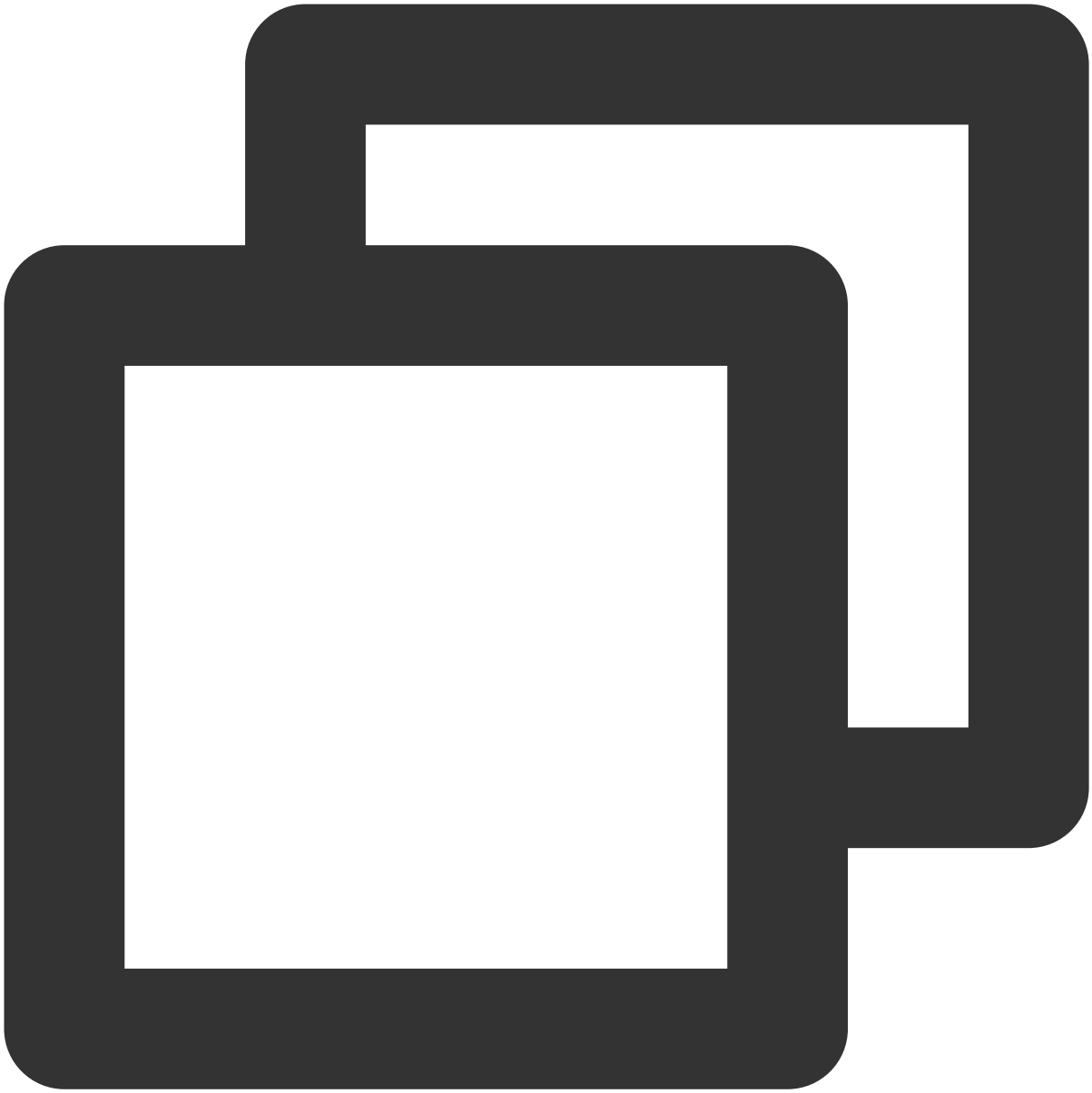
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```
GET /jobs?queueId=p893bcda225bf4945a378da6662e81a89&tag=Translation HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjMxMDJhYTNfMThhYTk0MGFfYmU1OV8zZjc=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Message></Message>
        <JobId>a8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Running</State>
        <CreationTime>2022-07-07T12:12:12+0800</CreationTime>
        <StartTime>2022-07-07T12:12:13+0800</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p893bcda225bf4945a378da6662e81a89</QueueId>
        <Tag>Translation<Tag>
        <Input>
            <Object>test.txt</Object>
            <Lang>zh</Lang>
            <Type>txt</Type>
        </Input>
        <Operation>
            <Translation>
                <Lang>en</Lang>
                <Type>txt</Type>
            </Translation>
            <Output>
                <Region>ap-beijing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>test-result.txt</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
    <JobsDetail>
        <Code>Success</Code>
        <Message></Message>
        <JobId>a8d121820f5e411ec926ef19d53ba9c6f</JobId>
        <State>Running</State>
        <CreationTime>2022-07-07T12:12:12+0800</CreationTime>
        <StartTime>2022-07-07T12:12:13+0800</StartTime>
        <EndTime>-</EndTime>
        <QueueId>p893bcda225bf4945a378da6662e81a89</QueueId>
        <Tag>Translation<Tag>
        <Input>
            <Object>test.txt</Object>
            <Lang>zh</Lang>
            <Type>txt</Type>
        </Input>
        <Operation>
            <Translation>
                <Lang>en</Lang>
                <Type>txt</Type>
            </Translation>
```

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```
            <Output>
                <Region>ap-beijing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>test-result.txt</Object>
            </Output>
            <UserData>This is my data.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
    <NextToken>225508</NextToken>
</Response>
```

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Content Recognition Job Callback
Translation Job Callback

Last updated：2024-02-27 15:52:05

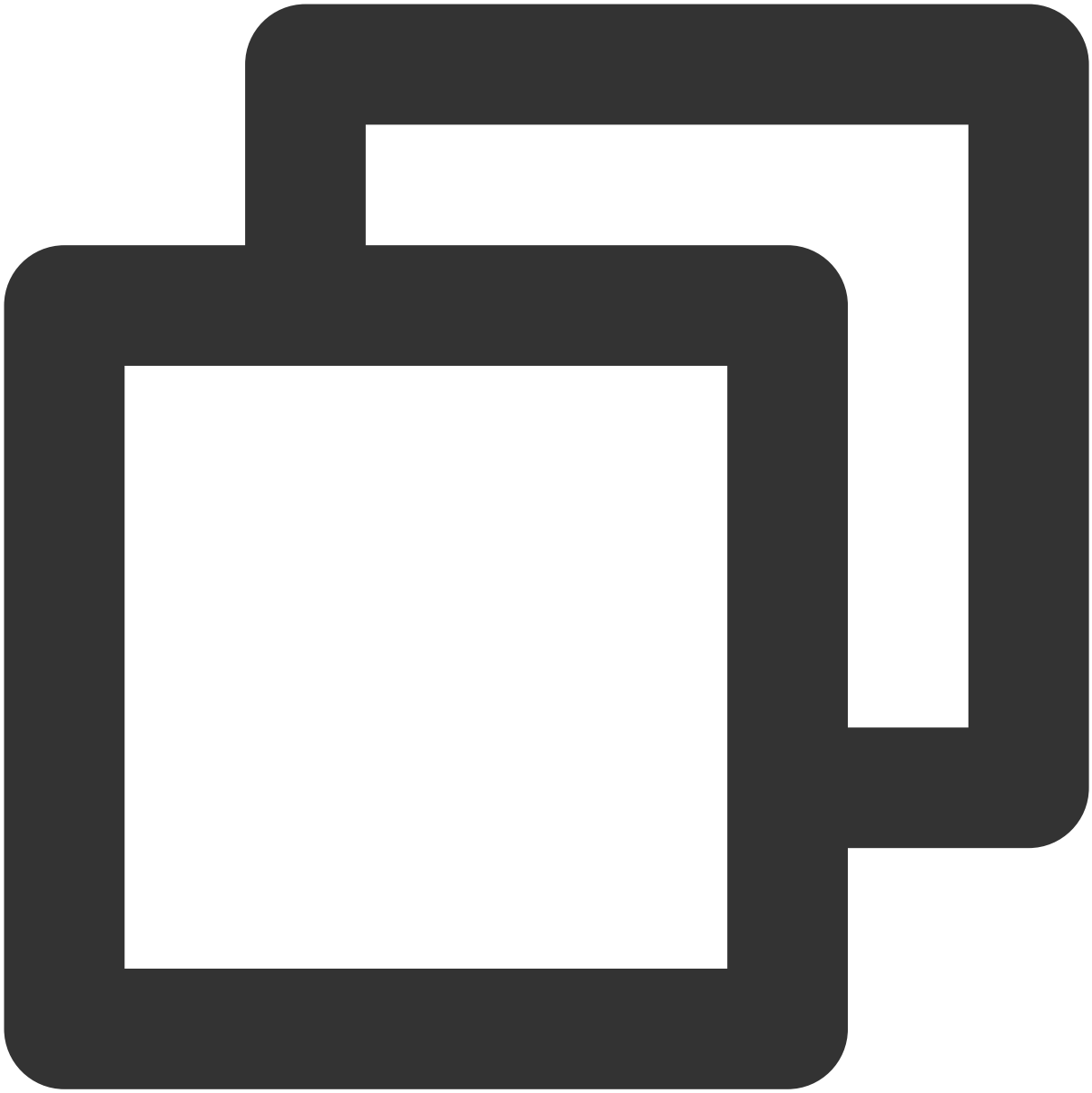
Feature Overview

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request whose body contains notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the callback URL that you configure. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-25T16:35:39+0800</CreationTime>
        <EndTime>2022-07-25T16:35:43+0800</EndTime>
        <Input>
            <Object>input/en.pdf</Object>
            <Lang>en</Lang>
            <Type>pdf</Type>
            <BasicType>pptx</BasicType>
```

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```
        </Input>
        <JobId>ac34be3aa0bf411ed9ce39d7cc972e427</JobId>
        <Message>Success</Message>
        <Operation>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/zh.pdf</Object>
            </Output>
            <Translation>
                <Lang>en</Lang>
                <Type>txt</Type>
            </Translation>
            <UserData>This is my Translation job.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>pbde29b842b1b4e2ea4f0b20d264fcec2</QueueId>
        <StartTime>2022-07-25T16:35:39+0800</StartTime>
        <State>Success</State>
        <Tag>Translation</Tag>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as the `Response.JobsDetail` in the translation job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type

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Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

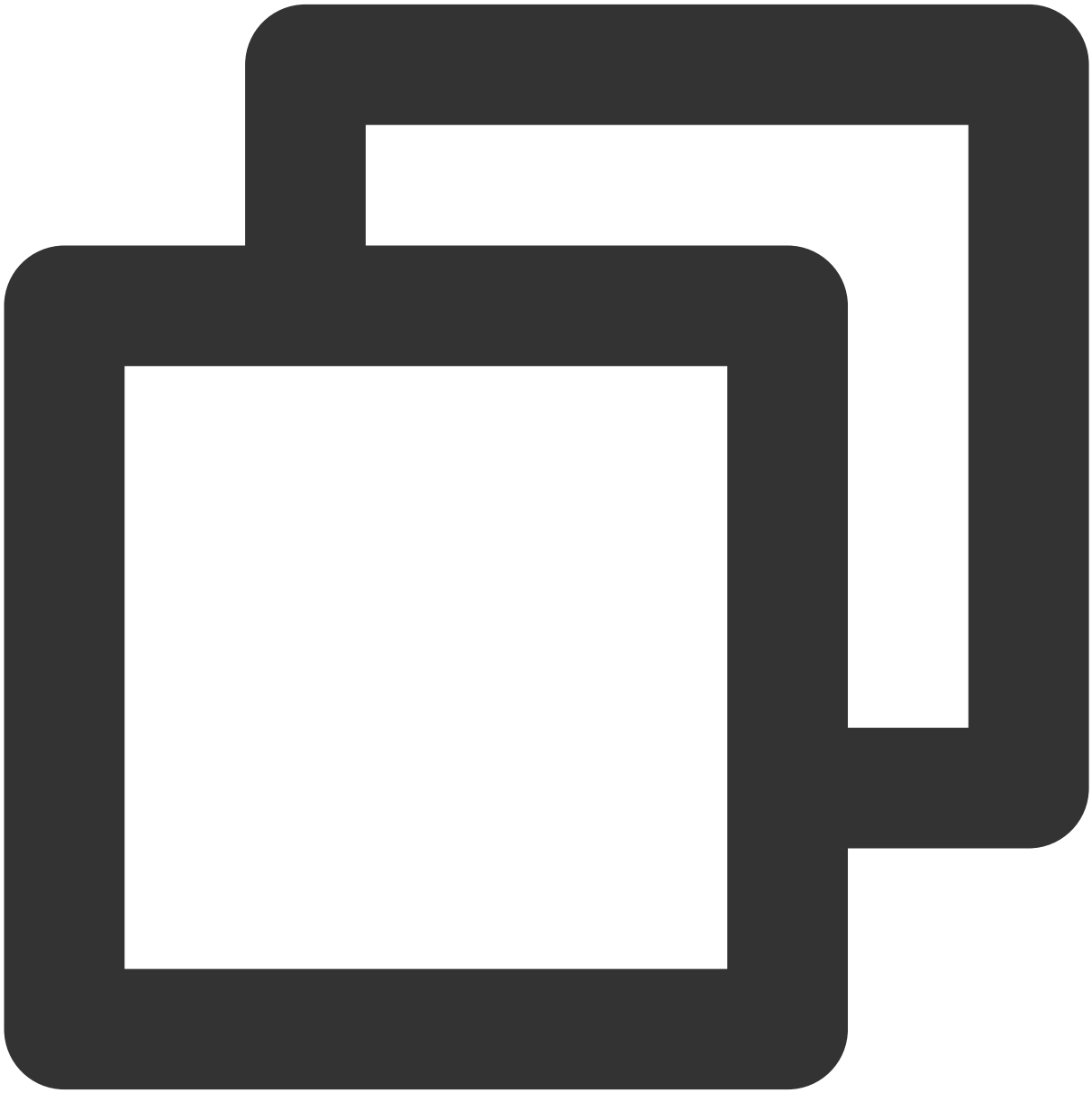
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

Examples

Sample 1: Job callback triggered by a job API

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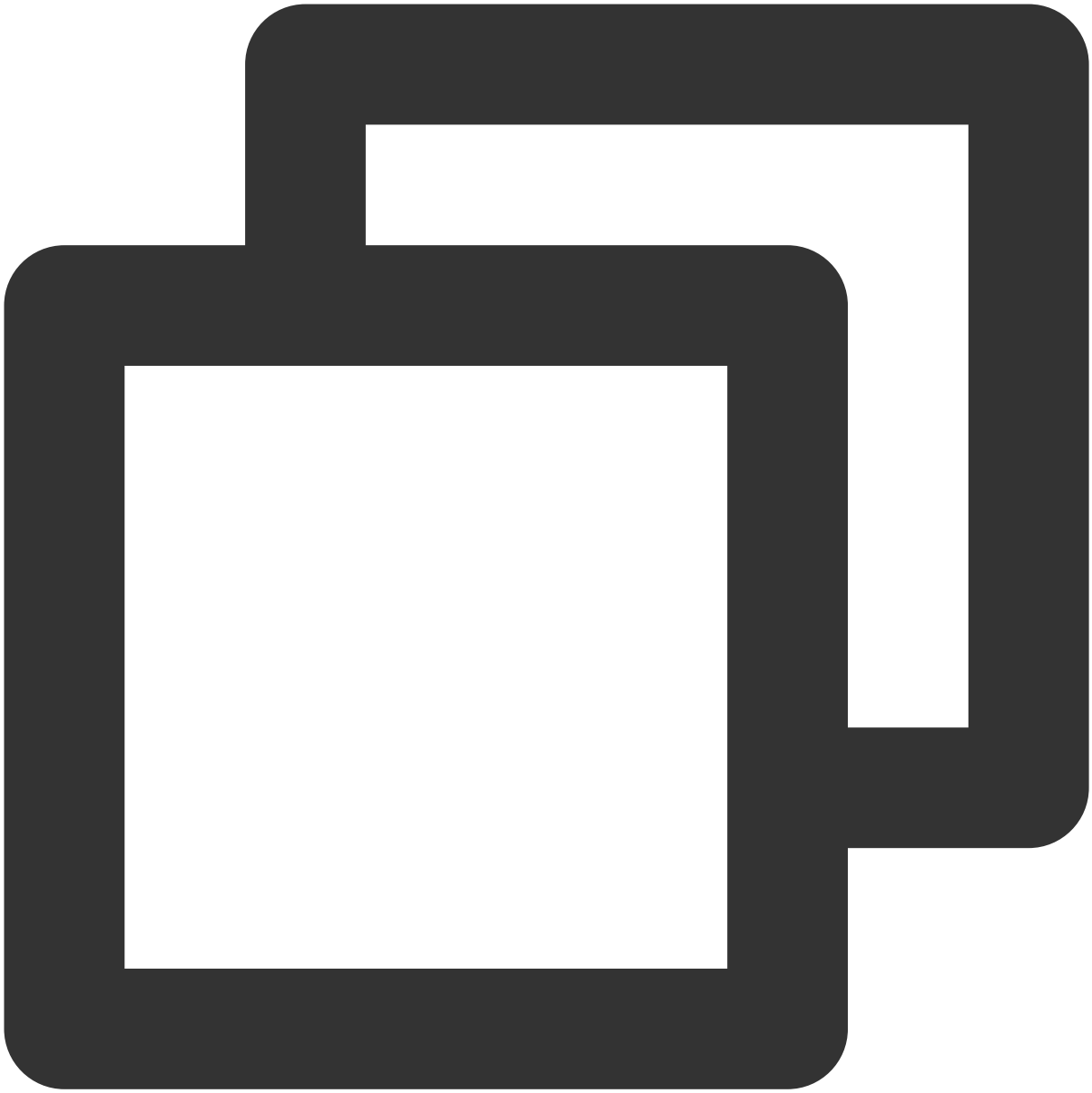
```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Code>Success</Code>
        <CreationTime>2022-07-25T16:35:39+0800</CreationTime>
        <EndTime>2022-07-25T16:35:43+0800</EndTime>
        <Input>
            <Object>input/en.pdf</Object>
            <Lang>en</Lang>
            <Type>pdf</Type>
            <BasicType>pptx</BasicType>
```

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```
        </Input>
        <JobId>ac34be3aa0bf411ed9ce39d7cc972e427</JobId>
        <Message>Success</Message>
        <Operation>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-123456789</Bucket>
                <Object>output/zh.pdf</Object>
            </Output>
            <Translation>
                <Lang>en</Lang>
                <Type>txt</Type>
            </Translation>
            <UserData>This is my Translation job.</UserData>
            <JobLevel>0</JobLevel>
        </Operation>
        <QueueId>pbde29b842b1b4e2ea4f0b20d264fcec2</QueueId>
        <StartTime>2022-07-25T16:35:39+0800</StartTime>
        <State>Success</State>
        <Tag>Translation</Tag>
    </JobsDetail>
</Response>
```

Sample 2: Job callback in JSON format triggered by a job

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```
{
    "EventName": "TaskFinish",
    "JobsDetail": {
        "Code": "Success",
        "CreationTime": "2022-07-25T16:35:39+0800",
        "EndTime": "2022-07-25T16:35:43+0800",
        "Input":{
            "Object": "input/en.pdf",
            "Lang": "en",
            "Type": "pdf",
            "BasicType": "pptx"
```

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```
        },
        "JobId": "ac34be3aa0bf411ed9ce39d7cc972e427",
        "Message": "Success",
        "Operation": {
            "Output": {
                "Region": "ap-chongqing",
                "Bucket": "test-123456789",
                "Object": "output/zh.pdf"
            },
            "Translation": {
                "Lang": "en",
                "Type": "txt"
            },
            "UserData": "This is my Translation job.",
            "JobLevel": 0,
        },
        "QueueId": "pbde29b842b1b4e2ea4f0b20d264fcec2",
        "StartTime": "2022-07-25T16:35:39+0800",
        "State": "Success",
        "Tag": "Translation"
    }
}
```


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Word Segmentation Job Callback

Last updated：2024-02-27 15:52:06

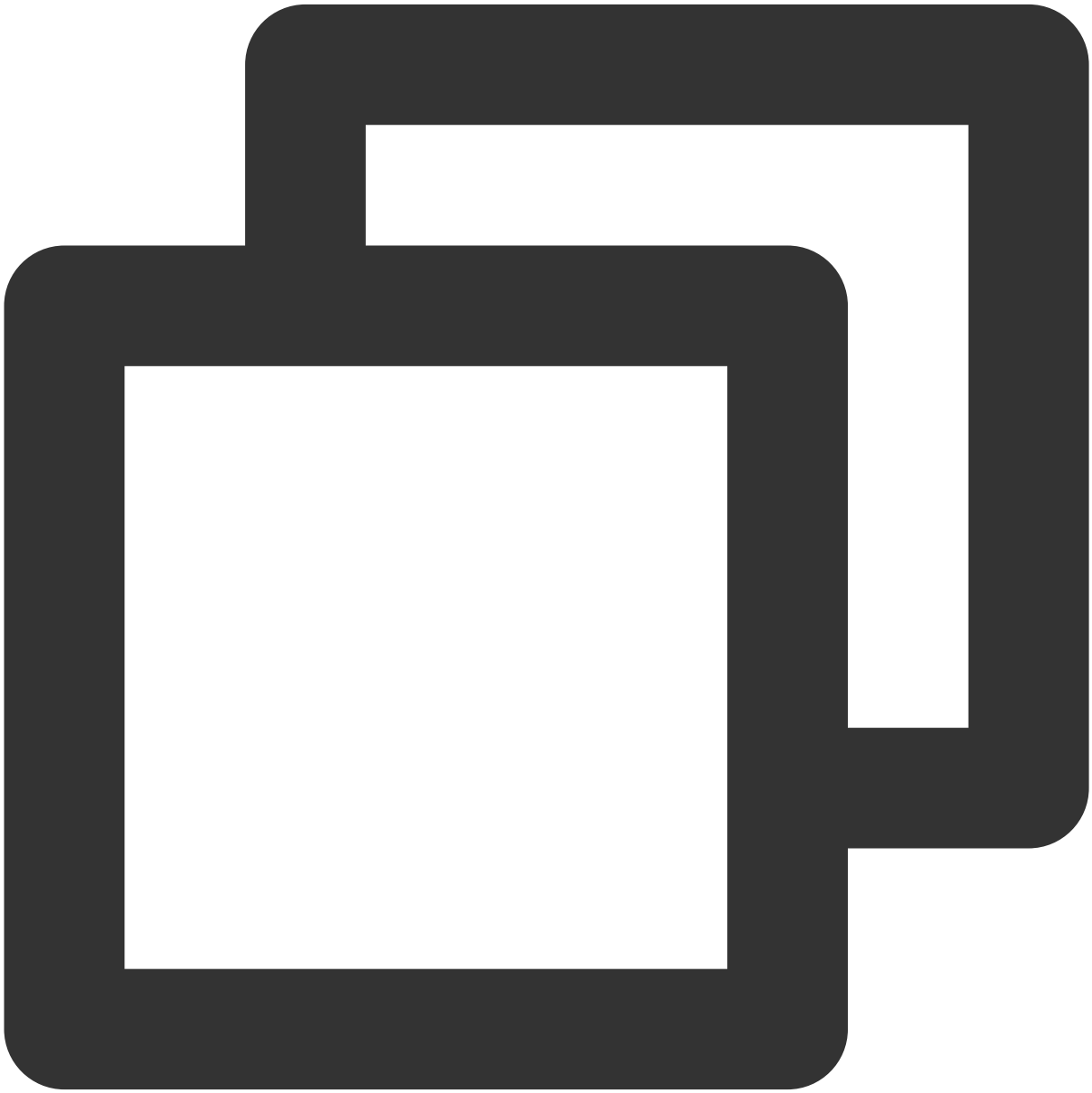
Feature Overview

CI supports user-defined callback URLs. After a job is completed, the system sends an HTTP POST request whose body contains notification content to a user-defined callback URL. You can use the configured callback URL to learn about the processing progress and status of the job so that you can perform other operations as needed.

Callback Content

After the job is completed, the system sends the callback content to the callback URL that you configure. The response body is returned as **application/xml** data. The following contains all the nodes:

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```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Tag>WordsGeneralize</Tag>
        <Code>Success</Code>
        <CreationTime>2022-07-25T16:35:39+0800</CreationTime>
        <EndTime>2022-07-25T16:35:43+0800</EndTime>
        <Input>
            <Object>text.txt</Object>
            <BucketId>test-123456789</BucketId>
            <Region>ap-chongqing</Region>
```

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```
        </Input>
        <JobId>ac34be3aa0bf411ed9ce39d7cc972e427</JobId>
        <Message>Success</Message>
        <Operation>
            <UserData>This is my WordsGeneralize job.</UserData>
            <JobLevel>0</JobLevel>
            <WordsGeneralize>
                <NerMethod>DL</NerMethod>
                <SegMethod>MIX</SegMethod>
            </WordsGeneralize>
            <WordsGeneralizeResult>
                <WordsGeneralizeLable>
                    <Category>Transportation</Category>
                    <Word>Taxi</Word>
                </WordsGeneralizeLable>
                <WordsGeneralizeToken>
                    <Length>2</Length>
                    <Offset>0</Offset>
                    <Pos>t</Pos>
                    <Word>Today</Word>
                </WordsGeneralizeToken>
                <WordsGeneralizeToken>
                    <Length>2</Length>
                    <Offset>2</Offset>
                    <Pos>v</Pos>
                    <Word>Taxi</Word>
                </WordsGeneralizeToken>
                <WordsGeneralizeToken>
                    <Length>1</Length>
                    <Offset>4</Offset>
                    <Pos>v</Pos>
                    <Word>Cost</Word>
                </WordsGeneralizeToken>
                <WordsGeneralizeToken>
                    <Length>2</Length>
                    <Offset>5</Offset>
                    <Pos>nx</Pos>
                    <Word>60</Word>
                </WordsGeneralizeToken>
                <WordsGeneralizeToken>
                    <Length>1</Length>
                    <Offset>7</Offset>
                    <Pos>q</Pos>
                    <Word>CNY</Word>
                </WordsGeneralizeToken>
            </WordsGeneralizeResult>
        </Operation>
```

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```
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
EventName	Response	Fixed value: `TaskFinish`.	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Same as the `Response.JobsDetail` in the word segmentation job submitting API.

If the job is triggered by a workflow, `Response.JobsDetail.Input` will also contain a `CosHeaders` node of the container array type.

`CosHeaders` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Key	Response.JobsDetail.Input.CosHeaders	Name of the custom header	String
Value	Response.JobsDetail.Input.CosHeaders	Value of the custom header	String

If the job is triggered by a workflow, `Response.JobsDetail` will also contain a `Workflow` node of the container type.

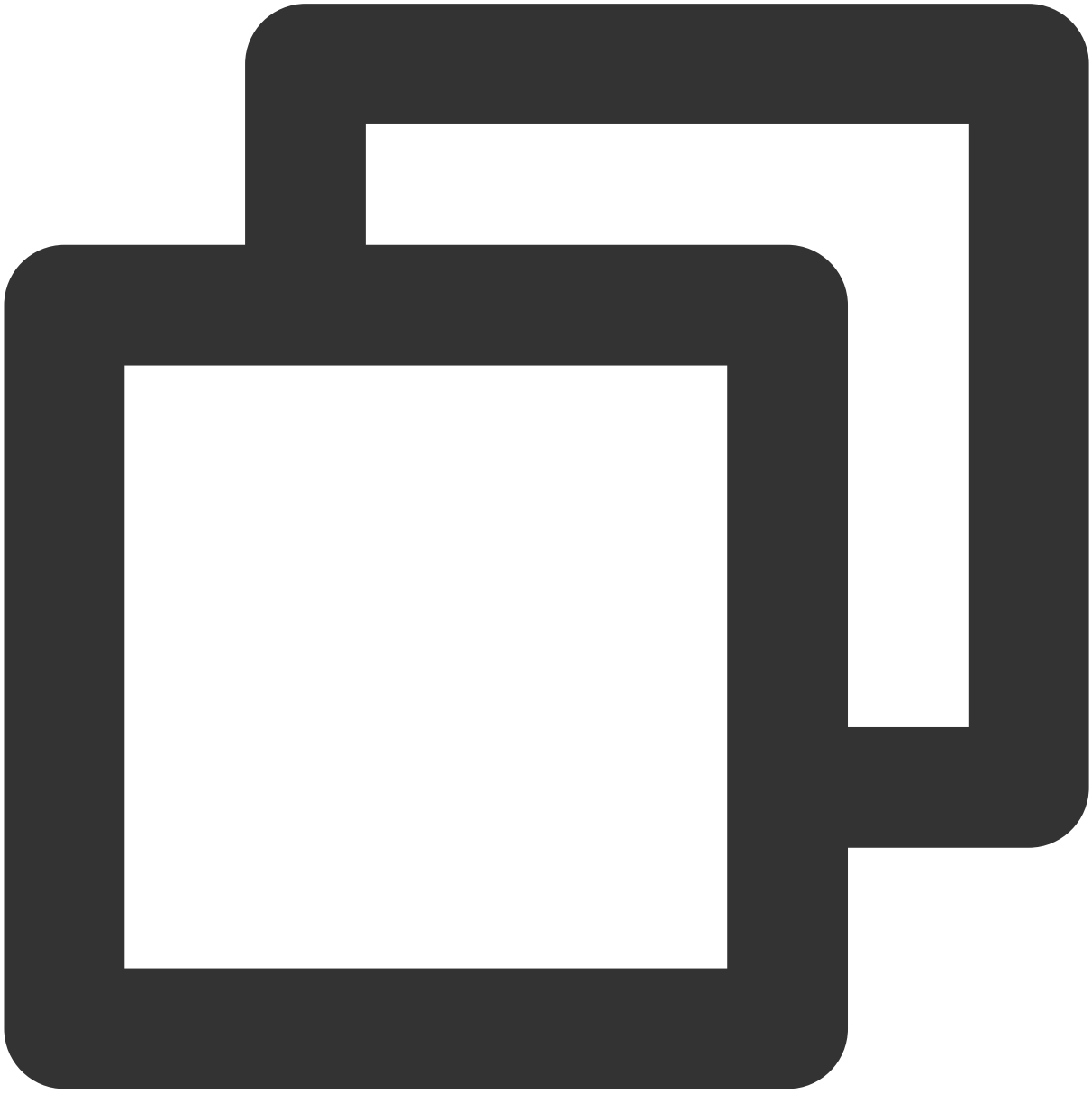
`Workflow` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RunId	Response.Workflow	Workflow instance ID	String
WorkflowId	Response.Workflow	Workflow ID	String
WorkflowName	Response.Workflow	Workflow name	String
Name	Response.Workflow	Workflow node name	String

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Examples

Sample 1: Job callback triggered by a job API



```
<Response>
    <EventName>TaskFinish</EventName>
    <JobsDetail>
        <Tag>WordsGeneralize</Tag>
```

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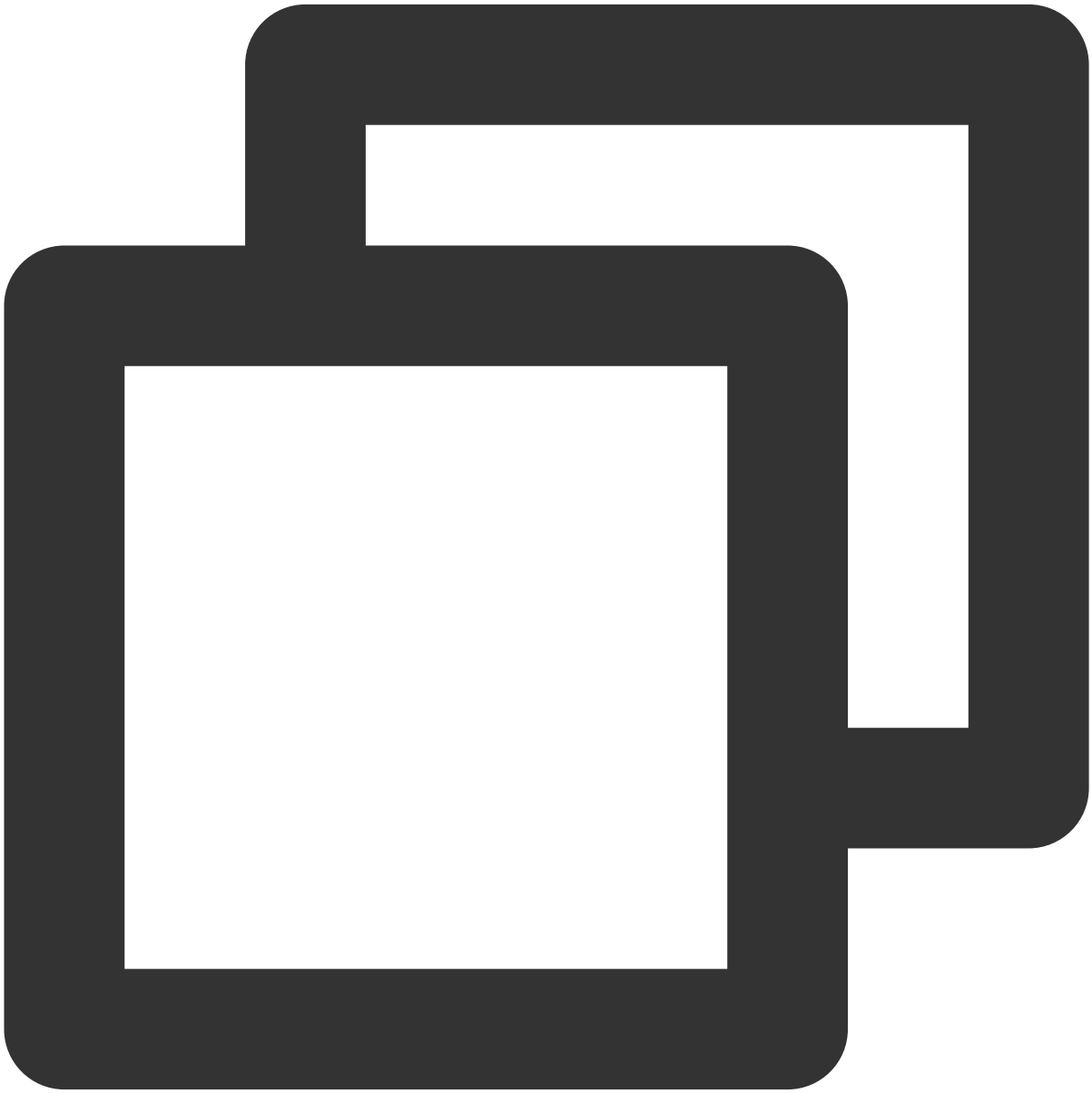
```
        <Code>Success</Code>
        <CreationTime>2022-07-25T16:35:39+0800</CreationTime>
        <EndTime>2022-07-25T16:35:43+0800</EndTime>
        <Input>
            <Object>text.txt</Object>
            <BucketId>test-123456789</BucketId>
            <Region>ap-chongqing</Region>
        </Input>
        <JobId>ac34be3aa0bf411ed9ce39d7cc972e427</JobId>
        <Message>Success</Message>
        <Operation>
            <UserData>This is my WordsGeneralize job.</UserData>
            <JobLevel>0</JobLevel>
            <WordsGeneralize>
                <NerMethod>DL</NerMethod>
                <SegMethod>MIX</SegMethod>
            </WordsGeneralize>
            <WordsGeneralizeResult>
                <WordsGeneralizeLable>
                    <Category>Transportation</Category>
                    <Word>Taxi</Word>
                </WordsGeneralizeLable>
                <WordsGeneralizeToken>
                    <Length>2</Length>
                    <Offset>0</Offset>
                    <Pos>t</Pos>
                    <Word>Today</Word>
                </WordsGeneralizeToken>
                <WordsGeneralizeToken>
                    <Length>2</Length>
                    <Offset>2</Offset>
                    <Pos>v</Pos>
                    <Word>Taxi</Word>
                </WordsGeneralizeToken>
                <WordsGeneralizeToken>
                    <Length>1</Length>
                    <Offset>4</Offset>
                    <Pos>v</Pos>
                    <Word>Cost</Word>
                </WordsGeneralizeToken>
                <WordsGeneralizeToken>
                    <Length>2</Length>
                    <Offset>5</Offset>
                    <Pos>nx</Pos>
                    <Word>60</Word>
                </WordsGeneralizeToken>
                <WordsGeneralizeToken>
```

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```
                    <Length>1</Length>
                    <Offset>7</Offset>
                    <Pos>q</Pos>
                    <Word>CNY</Word>
                </WordsGeneralizeToken>
            </WordsGeneralizeResult>
        </Operation>
    </JobsDetail>
</Response>
```

Sample 2: Job callback in JSON format triggered by a job

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```
{
    "Response": {
        "EventName": "TaskFinish",
        "JobsDetail": {
            "Code": "Success",
            "CreationTime": "2022-07-25T16:35:39+0800",
            "EndTime": "2022-07-25T16:35:43+0800",
            "Input":{
                "Object": "text.txt",
                "BucketId": "test-123456789",
                "Region": "ap-chongqing"
```


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```
        },
        "JobId": "ac34be3aa0bf411ed9ce39d7cc972e427",
        "Message": "Success",
        "Operation": {
            "JobLevel": "0",
            "WordsGeneralize": {
                "NerMethod": "DL",
                "SegMethod": "MIX"
            },
            "WordsGeneralizeResult": {
                "WordsGeneralizeLable": {
                    "Category": "Mobility",
                    "Word": "Taxi"
                },
                "WordsGeneralizeToken": [{
                        "Length": "2",
                        "Offset": "0",
                        "Pos": "t",
                        "Word": "Today"
                    },
                    {
                        "Length": "2",
                        "Offset": "2",
                        "Pos": "v",
                        "Word": "Taxi"
                    },
                    {
                        "Length": "1",
                        "Offset": "4",
                        "Pos": "v",
                        "Word": "Cost"
                    },
                    {
                        "Length": "2",
                        "Offset": "5",
                        "Pos": "nx",
                        "Word": "60"
                    },
                    {
                        "Length": "1",
                        "Offset": "7",
                        "Pos": "q",
                        "Word": "CNY"
                    }
                ]
            }
        }
```


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```
            }
        }
    }
```

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Template APIs
Media Processing
Creating Media Processing Template
Creating Animated Image Template

Last updated：2024-02-27 15:52:06

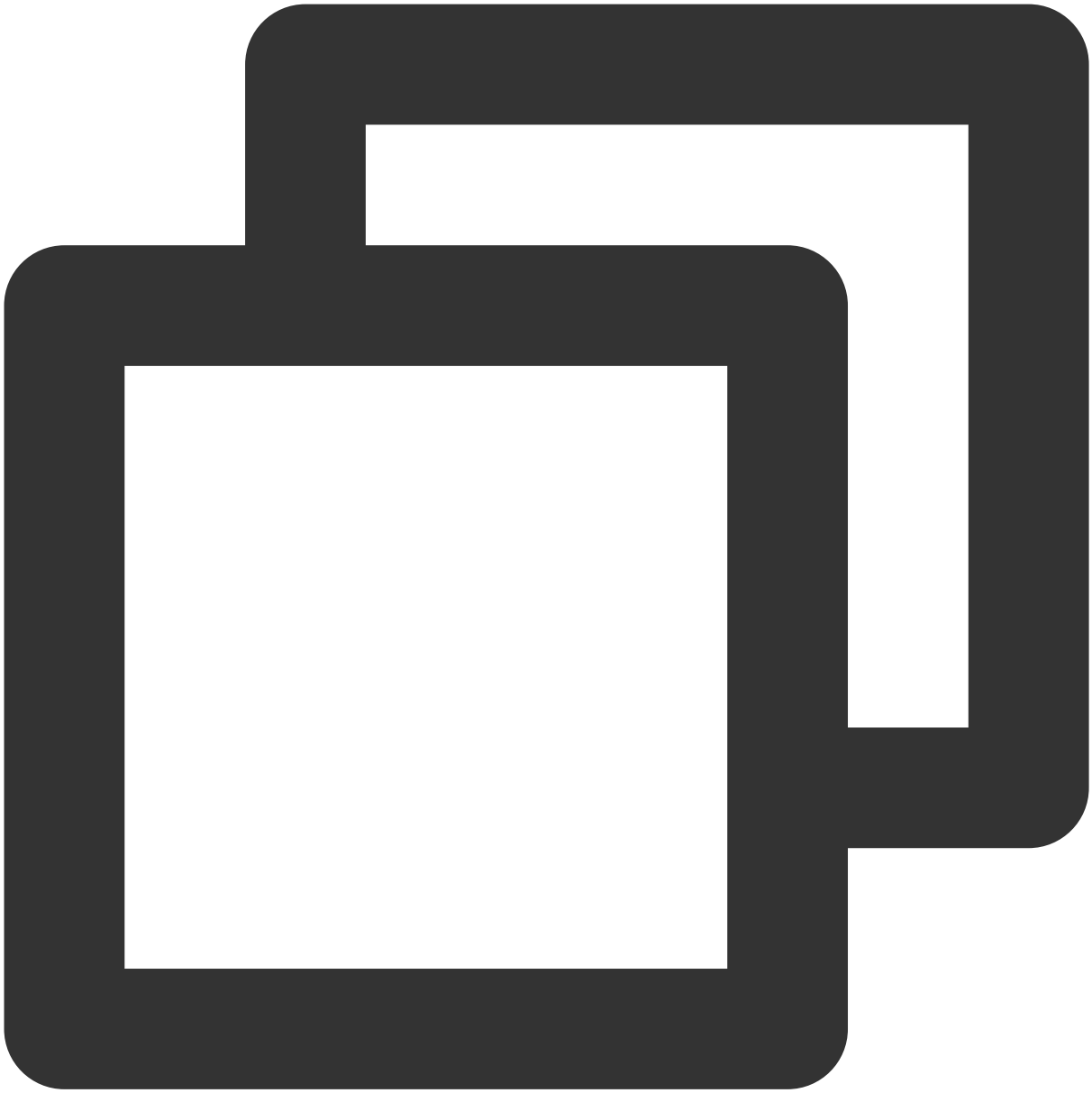
Feature Description

This API is used to create a video-to-animated image conversion template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

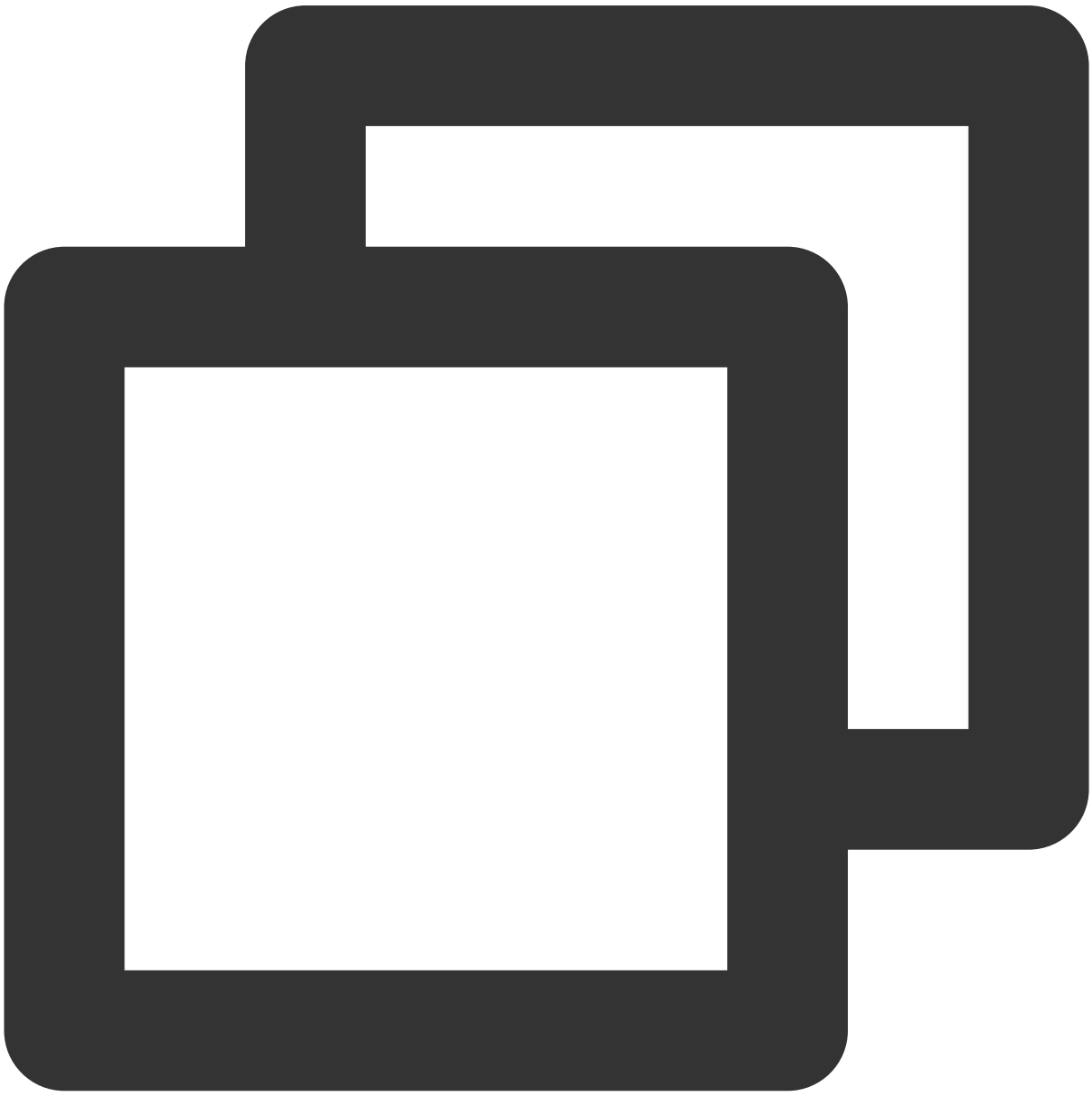
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Animation</Tag>
    <Name>TemplateName</Name>
    <Container>
       <Format>gif</Format>
    </Container>
    <Video>
       <Codec>gif</Codec>
       <Width>1280</Width>
       <Height></Height>
       <Fps>15</Fps>
       <AnimateOnlyKeepKeyFrame>true</AnimateOnlyKeepKeyFrame>
    </Video>
    <TimeInterval>
       <Start>0</Start>
       <Duration>60</Duration>
    </TimeInterval>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Template tag: Animation	String	Yes
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes
Container	Request	Container format	Container	Yes
Video	Request	Video information	Container	No
TimeInterval	Request	Time interval	Container	No

`Container` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required

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Format	Request.Container	Container format. Valid values: `gif` , `hgif` (higher-definition GIF), `webp`	String	Yes

`Video` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Con
Codec	Request.Video	Codec format	String	Yes	None	gif, v
Width	Request.Video	Width	String	No	Original video width	Valu Unit If on calc origi
Height	Request.Video	Height	String	No	Original video height	Valu Unit If on calc origi
Fps	Request.Video	Frame rate	String	No	Original video frame rate	Valu Unit This it is play the para rate play
AnimateOnly KeepKeyFrame	Request.Video	Keeps only key frames for animated images. If AnimateOnlyKeepKeyFrame is set to true, AnimateTimeIntervalOfFrame and AnimateFramesPerSecond don't need to be set. If AnimateOnlyKeepKeyFrame is set to false, either AnimateTimeIntervalOfFrame or AnimateFramesPerSecond must be set.	String	No	false	Valu This whe fram Prio Anin Anin > Anin

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AnimateTimeIntervalOfFrame	Request.Video	Frame sampling interval for animated images	String	No	None	Valu dura Frar anir The mus Time Time
AnimateFramesPerSecond	Request.Video	Number of frames sampled per second for animated images	String	No	None	Valu rate) Frar for a Prio Anir Anir > Anir
Quality	Request.Video	Relative quality	String	No	None	Valu This effec is nc imag

`TimeInterval` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Start	Request.TimeInterval	Start time	String	No	0	Value range: [0, video duration] Unit: Second The float format is supported, accurate to the millisecond.
Duration	Request.TimeInterval	Duration	String	No	Video duration	Value range: [0, video duration] Unit: Second The float format is supported, accurate to the millisecond.

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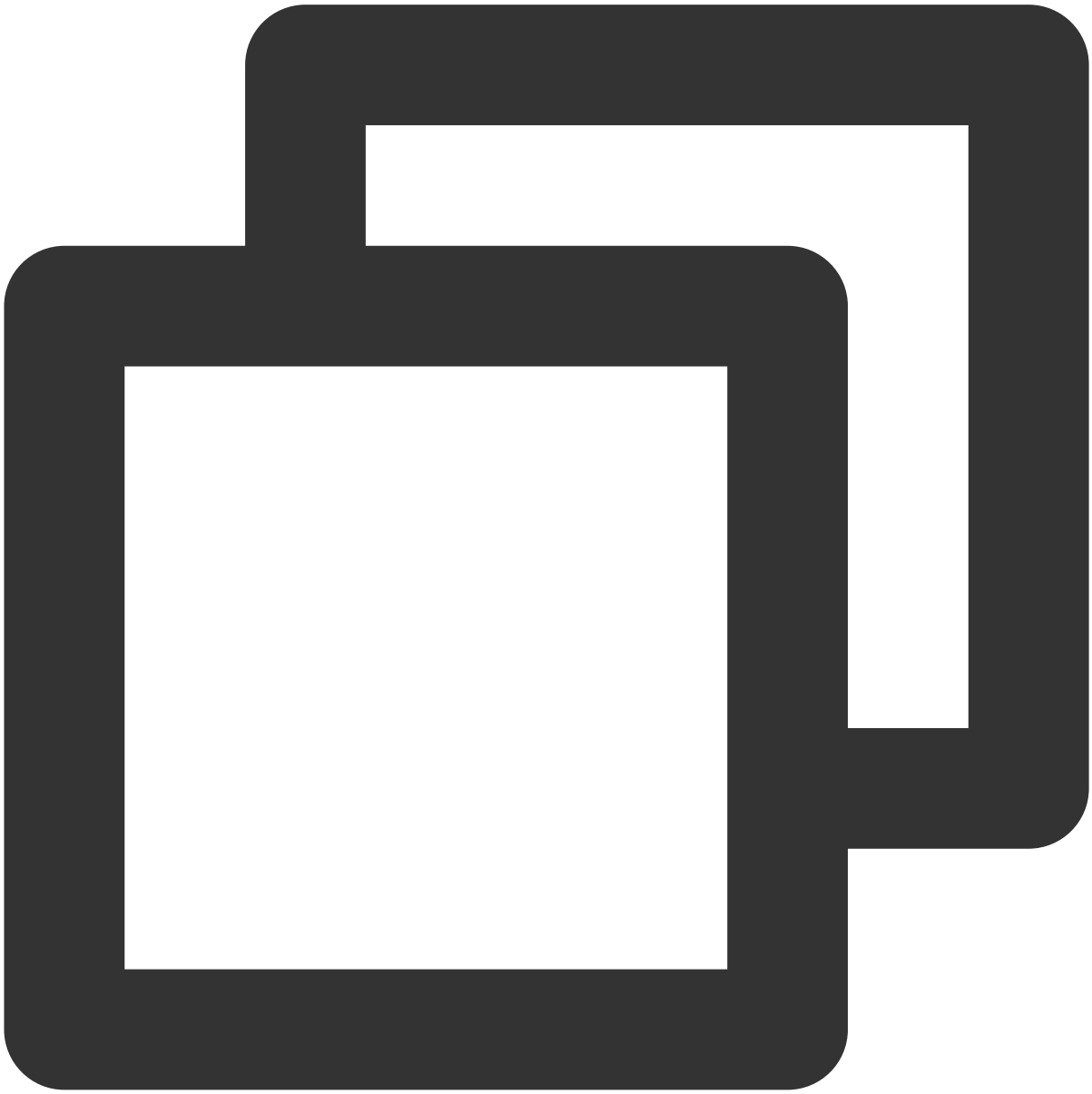
Response

Response headers

This response contains common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



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```
<Response>
    <Template>
        <Name>TemplateName</Name>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <Tag>Animation</Tag>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <TransTpl>
            <Container>
                <Format>gif</Format>
            </Container>
            <Video>
                <Codec>gif</Codec>
                <Width>1280</Width>
                <Height></Height>
                <Fps>15</Fps>
                <AnimateOnlyKeepKeyFrame>true</AnimateOnlyKeepKeyFrame>
            </Video>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </TransTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response	Template ID	String
Name	Response	Template name	String
BucketId	Response	Template bucket	String
Category	Response	Template category: `Custom` or `Official`.	String

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Tag	Response	Template tag	String
UpdateTime	Response	Update time	String
CreateTime	Response	Creation time	String
TransTpl	Response	Template parameters	Container

`Container` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Format	Response.TransTpl.Container	Container format: `gif`, `hgif` (higher-definition GIF), `webp`.	String

`Video` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Codec	Response.TransTpl.Video	Codec	String
Width	Response.TransTpl.Video	Width	String
Height	Response.TransTpl.Video	Height	String
Fps	Response.TransTpl.Video	Frame rate	String
AnimateOnlyKeepKeyFrame	Response.TransTpl.Video	Keeps only keyframes for animated images	String
AnimateTimeIntervalOfFrame	Response.TransTpl.Video	Frame sampling interval for animated images	String
AnimateFramesPerSecond	Response.TransTpl.Video	Number of frames sampled per second for animated images	String
Quality	Response.TransTpl.Video	Relative quality	String

`TimeInterval` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Start	Response.TransTpl.TimeInterval	Start time	String

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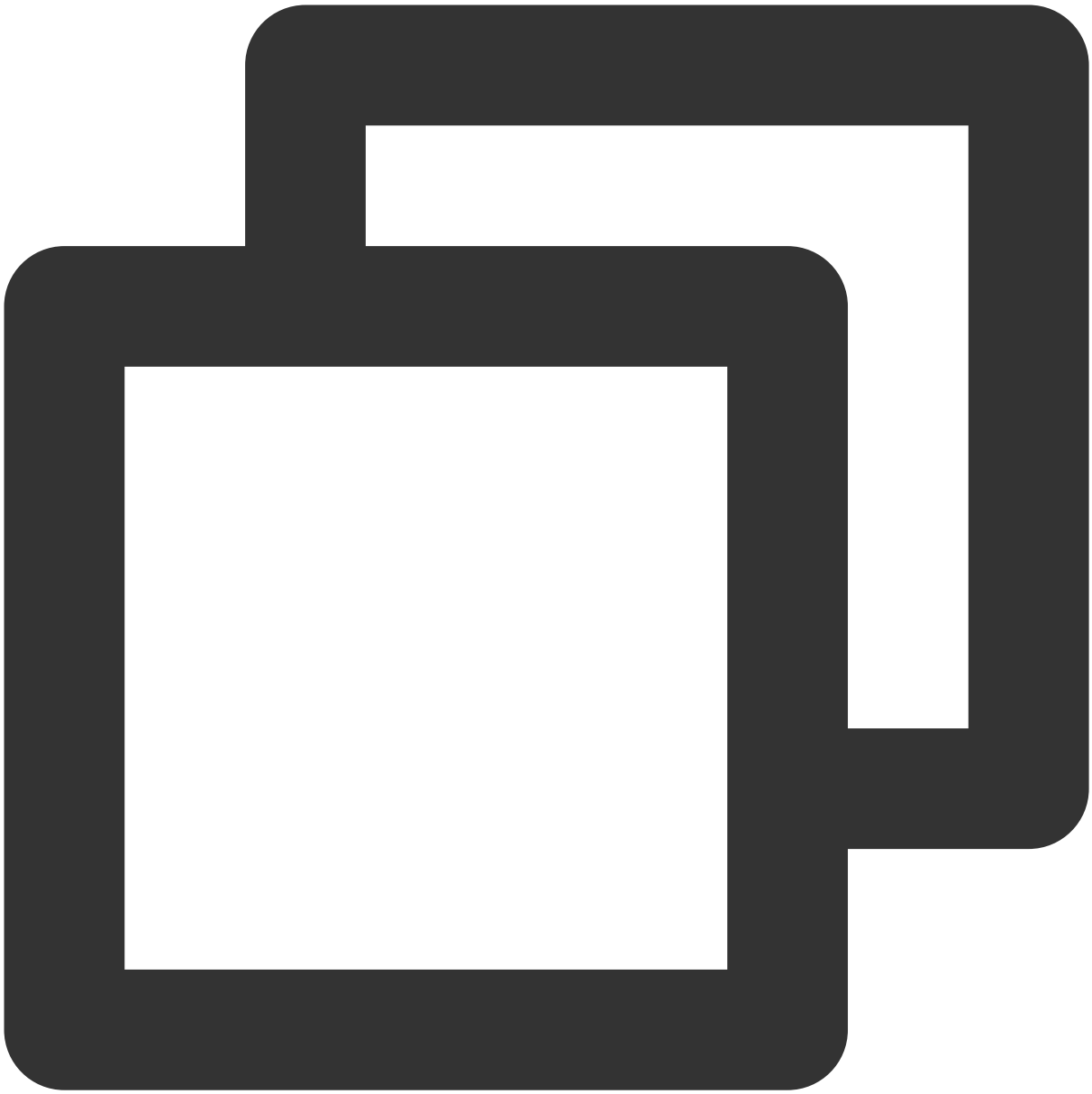
Duration	Response.TransTpl.TimeInterval	Duration	String

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



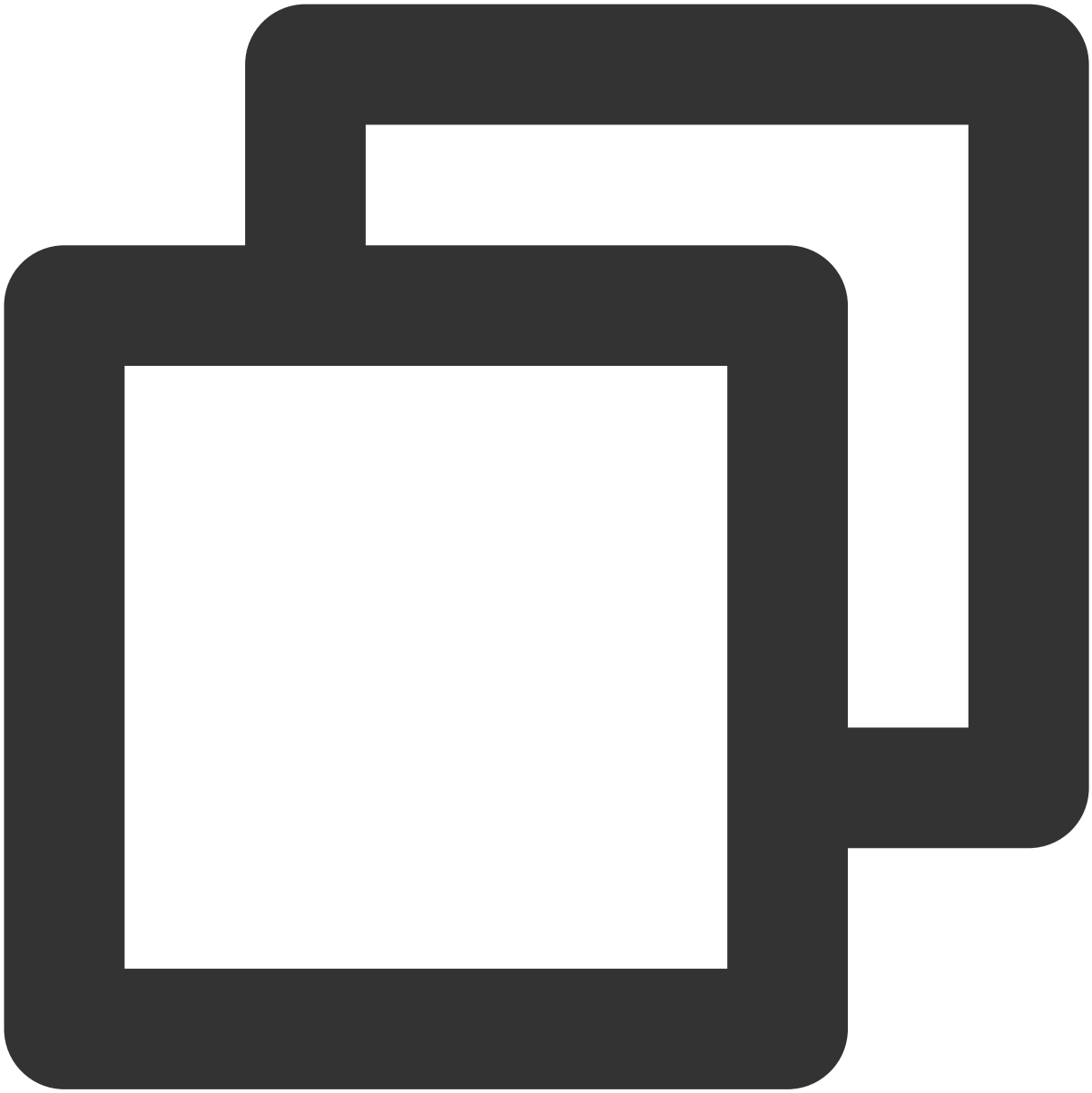
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```
POST /template HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>Animation</Tag>
    <Name>TemplateName</Name>
    <Container>
       <Format>gif</Format>
    </Container>
    <Video>
       <Codec>gif</Codec>
       <Width>1280</Width>
       <Height></Height>
       <Fps>15</Fps>
       <AnimateOnlyKeepKeyFrame>true</AnimateOnlyKeepKeyFrame>
    </Video>
    <TimeInterval>
       <Start>0</Start>
       <Duration>60</Duration>
    </TimeInterval>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYz****=

<Response>
    <Template>
        <Name>TemplateName</Name>
```

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```
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <Tag>Animation</Tag>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <TransTpl>
            <Container>
                <Format>gif</Format>
            </Container>
            <Video>
                <Codec>gif</Codec>
                <Width>1280</Width>
                <Height></Height>
                <Fps>15</Fps>
                <AnimateOnlyKeepKeyFrame>true</AnimateOnlyKeepKeyFrame>
            </Video>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </TransTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Splicing Template

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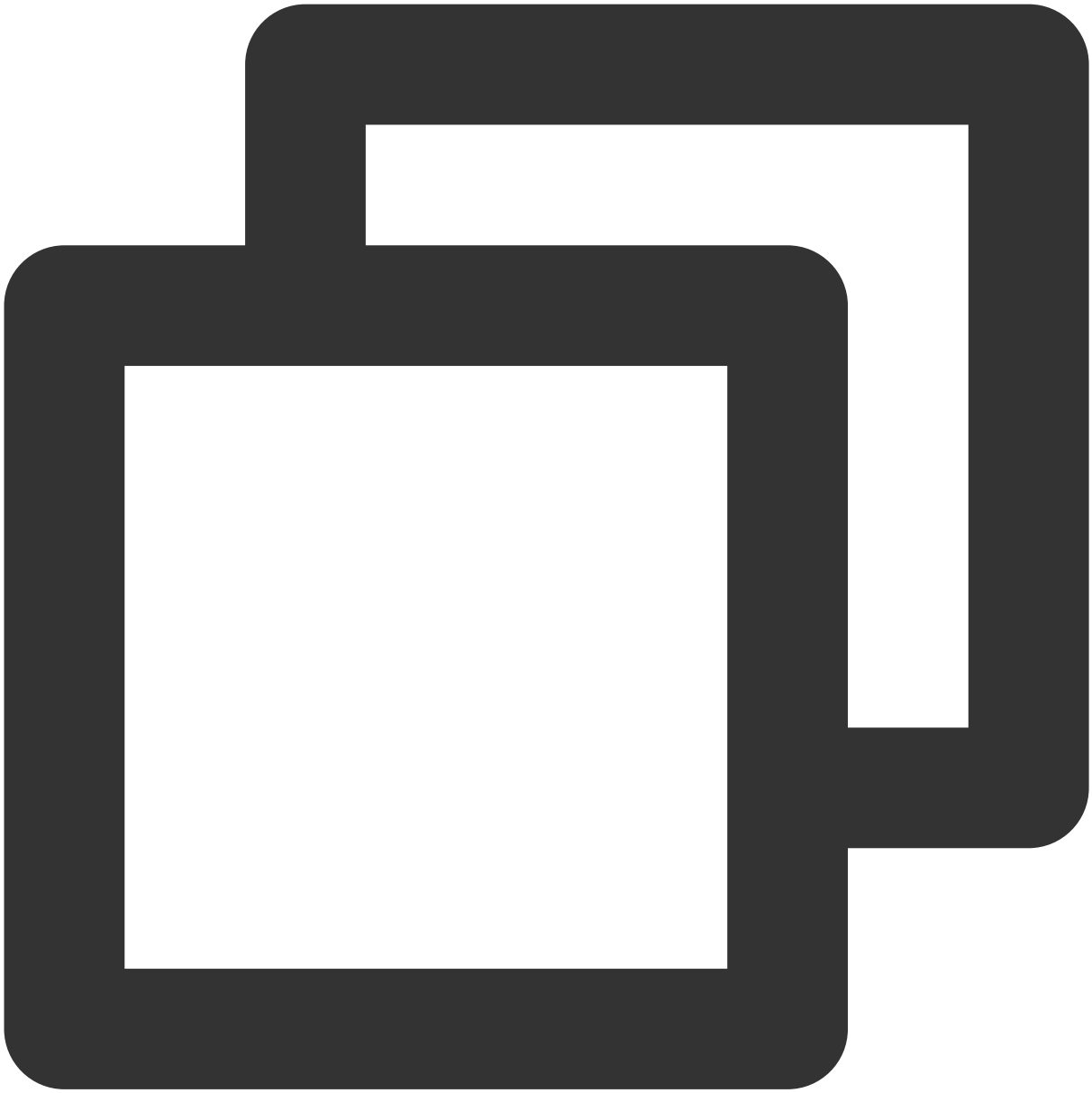
Feature Description

This API is used to create a splicing template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

Common request headers

This API uses common request headers. For more information, see Common Request Headers.

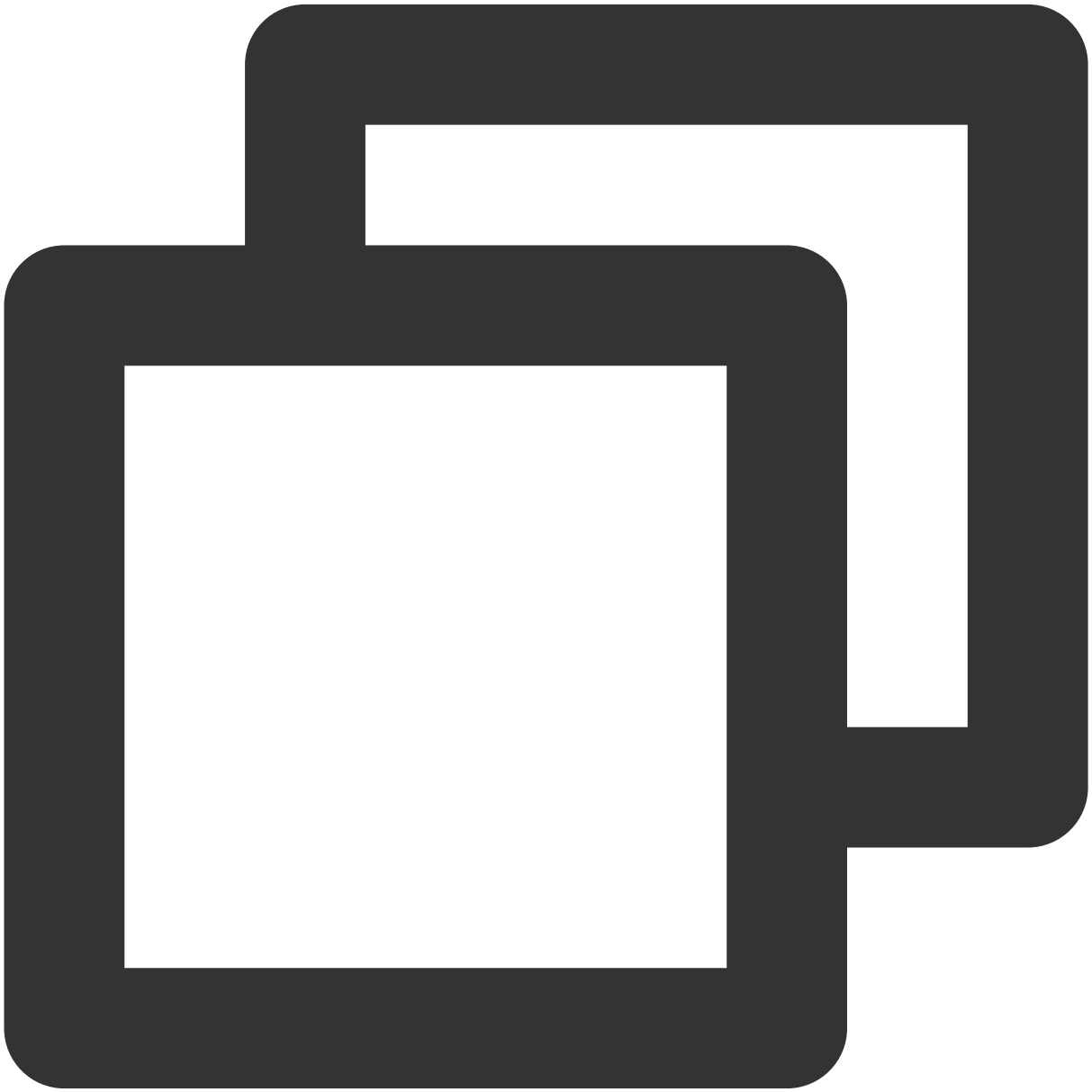
Non-common request headers

This request operation does not use any non-common request headers.

Request body

This request requires the following request body:

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```
<Request>
    <Tag>Concat</Tag>
    <Name>TemplateName</Name>
    <ConcatTemplate>
        <ConcatFragment>
            <Mode>Start</Mode>
            <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/start.mp4</Ur
        </ConcatFragment>
        <ConcatFragment>
            <Mode>End</Mode>
            <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/end.mp4</Url>
```

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```
        </ConcatFragment>
        <Audio>
            <Codec>mp3</Codec>
            <Samplerate></Samplerate>
            <Bitrate></Bitrate>
            <Channels></Channels>
        </Audio>
        <Video>
            <Codec>H.264</Codec>
            <Bitrate>1000</Bitrate>
            <Width>1280</Width>
            <Height></Height>
            <Fps>30</Fps>
        </Video>
        <Container>
            <Format>mp4</Format>
        </Container>
        <AudioMix>
            <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3</Au
            <MixMode>Once</MixMode>
            <Replace>true</Replace>
            <EffectConfig>
                <EnableStartFadein>true</EnableStartFadein>
                <StartFadeinTime>3</StartFadeinTime>
                <EnableEndFadeout>false</EnableEndFadeout>
                <EndFadeoutTime>0</EndFadeoutTime>
                <EnableBgmFade>true</EnableBgmFade>
                <BgmFadeTime>1.7</BgmFadeTime>
            </EffectConfig>
        </AudioMix>
    </ConcatTemplate>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Template tag: Concat	String	Yes

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Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes
ConcatTemplate	Request	Splicing template	Container	Yes

`ConcatTemplate` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constra
ConcatFragment	Request.ConcatTemplate	Splicing node	Container array	Yes	None	None
Audio	Request.ConcatTemplate	Audio parameter	Container	No	Original media value	If the ta does n audio i set `Audi` to `tr`
Video	Request.ConcatTemplate	Video parameter	Container	No	Original media value	If the ta does n video i set `Vide` to `tr`
Container	Request.ConcatTemplate	Container format	Container	Yes	None	None
AudioMix	Request.ConcatTemplate	Audio mix parameter as described in Structure.	Container array	No	None	Valid o `Audi` is `fa`
DirectConcat	Request.ConcatTemplate	Whether to splice without transcoding	String	No	false	true/ fa

`ConcatFragment` has the following sub-nodes:

Node Name	Parent Node	Description	Type	Required	Default Value	C

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(Keyword)						
Url	Request.ConcatTemplate.ConcatFragment	Splicing object address	String	Yes	None	S th a th o
Mode	Request.ConcatTemplate.ConcatFragment	Node type	String	Yes	None	S E

`Audio` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constrair
Codec	Request.ConcatTemplate.Audio	Codec format	String	Yes	Original codec of the file	Valid values: aac, mp3
Samplerate	Request.ConcatTemplate.Audio	Sample rate	String	No	Original sample rate of the file	Unit: Hz Valid values: 11025, 22050, 32000, 44100, 48000, 96000. Different containe formats support different MP3 sample rates, as shown in the table below.
Bitrate	Request.ConcatTemplate.Audio	Audio bitrate	String	No	Original audio bitrate of the file	Unit: Kbp Value range: [8 1000]

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Channels	Request.ConcatTemplate.Audio	Number of sound channels	String	No	Original number of sound channels of the file	If Codec aac, the value car be 1, 2, 4 5, 6, or 8 If Codec mp3, the value car be 1 or 2

Y indicates supported, and N indicates unsupported.

Container Format/Audio Sample Rate	11025	22050	32000	44100	48000	96000
mp3	Y	Y	Y	Y	Y	N

`Container` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Format	Request.ConcatTemplate.Container	Container format: mp4, flv, hls, ts, mp3, aac	String	Yes

`Video` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Codec	Request.ConcatTemplate.Video	Codec format	String	Yes	H.264	H.264
Width	Request.ConcatTemplate.Video	Width	String	No	Original video width	Value range: [128, 4096] Unit: px If only Width is set, Height is calculated based on the original video

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						aspect ratio.
Height	Request.ConcatTemplate.Video	Height	String	No	Original video height	Value range: [128, 4096] Unit: px If only Height is set, Width is calculated based on the original video aspect ratio.
Fps	Request.ConcatTemplate.Video	Frame rate	String	No	Original video frame rate	Value range: (0, 60] Unit: fps
Bitrate	Request.ConcatTemplate.Video	Bitrate of the video output file	String	No	Original video bitrate	Value range: [10, 50000] Unit: Kbps
Crf	Request.ConcatTemplate.Video	Bitrate, which is a quality control factor	String	No	Original video bitrate	Value range: (0, 51] If Crf is set, the setting of Bitrate becomes invalid. If Bitrate is empty, 25 is used for this parameter by default.
Remove	Request.ConcatTemplate.Video	Whether to delete the	String	No	false	Valid values: true, false.

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		video stream				
Rotate	Request.Video	Rotation angle	String	No	None	Value range: [0, 360) Unit: Degree

Response

Response headers

Common response headers

This response contains common response headers. For more information, see Common Response Headers.

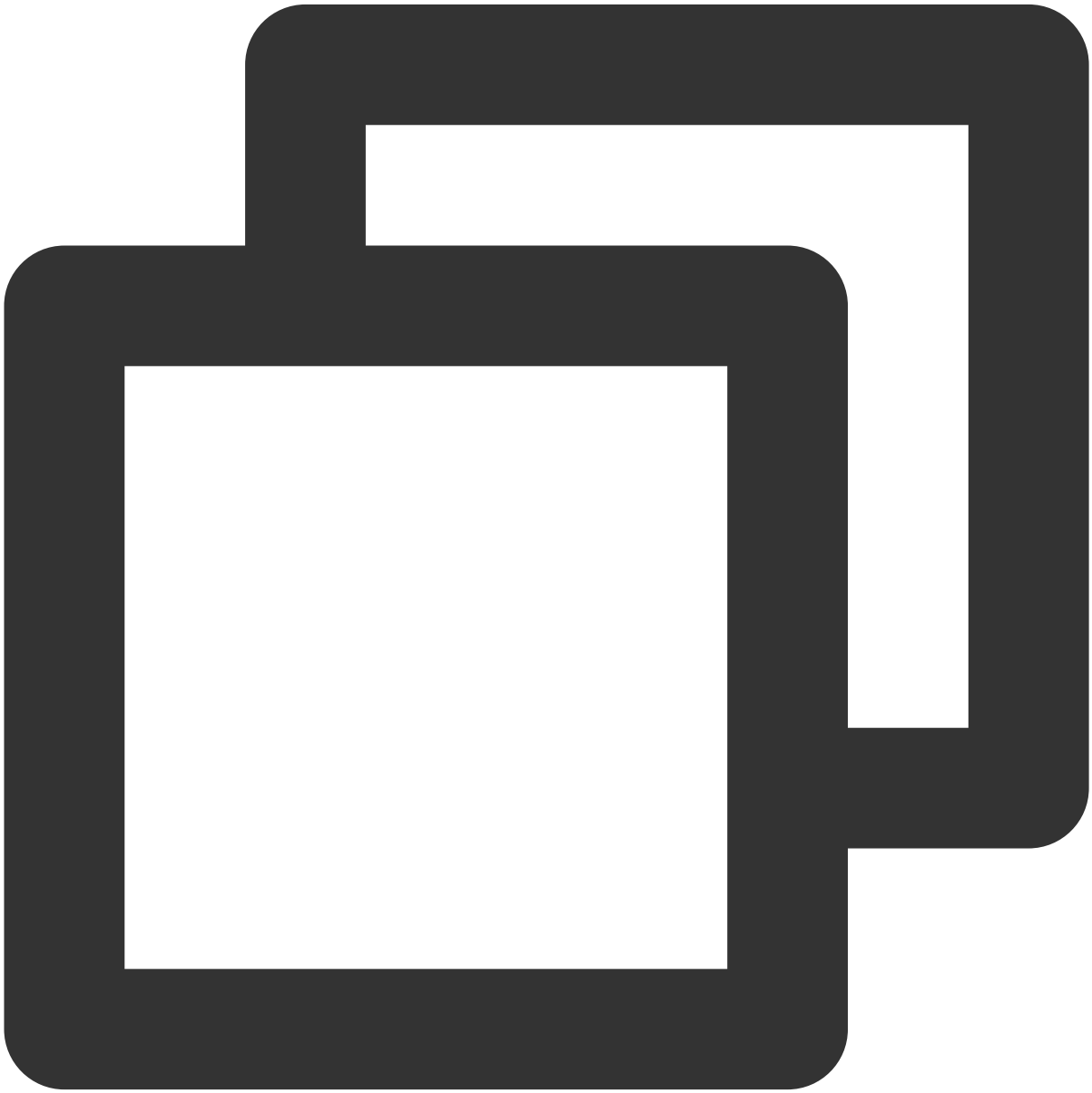
Non-common response headers

This response does not use any non-common response header.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Tag>Concat</Tag>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <ConcatTemplate>
            <ConcatFragment>
                <Mode>Start</Mode>
                <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/start.mp4
```

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```
            </ConcatFragment>
            <ConcatFragment>
                <Mode>End</Mode>
                <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/end.mp4</
            </ConcatFragment>
            <Audio>
                <Codec>mp3</Codec>
                <Samplerate></Samplerate>
                <Bitrate></Bitrate>
                <Channels></Channels>
            </Audio>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Height></Height>
                <Fps>30</Fps>
            </Video>
            <Container>
                <Format>mp4</Format>
            </Container>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
                <EffectConfig>
                    <EnableStartFadein>true</EnableStartFadein>
                    <StartFadeinTime>3</StartFadeinTime>
                    <EnableEndFadeout>false</EnableEndFadeout>
                    <EndFadeoutTime>0</EndFadeoutTime>
                    <EnableBgmFade>true</EnableBgmFade>
                    <BgmFadeTime>1.7</BgmFadeTime>
                </EffectConfig>
            </AudioMix>
        </ConcatTemplate>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
Tag	Response.Template	Template tag: Concat	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
ConcatTemplate	Response.Template	Same as the `Request.ConcatTemplate` in the request body.	Container

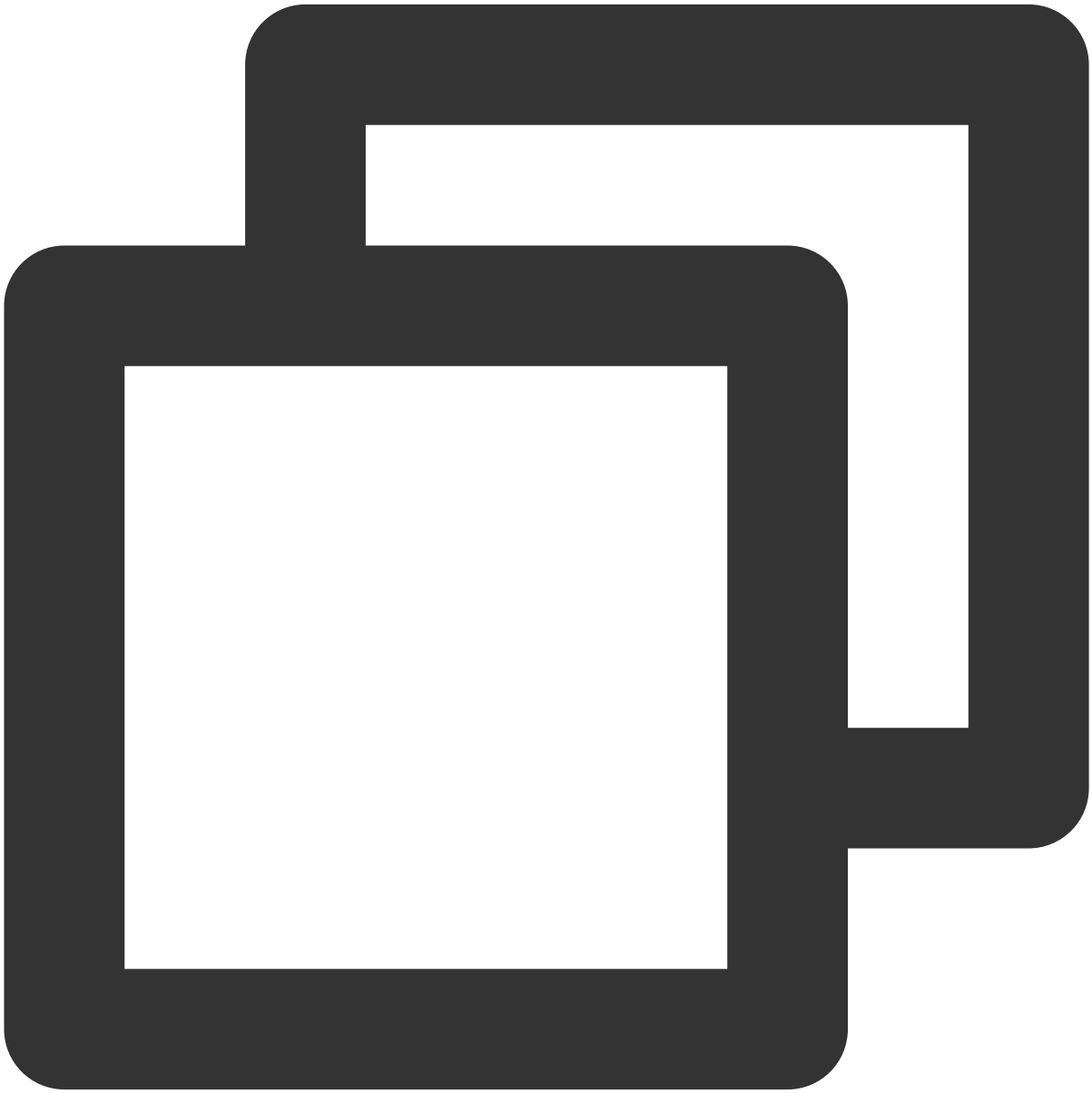
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /template HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR98****-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

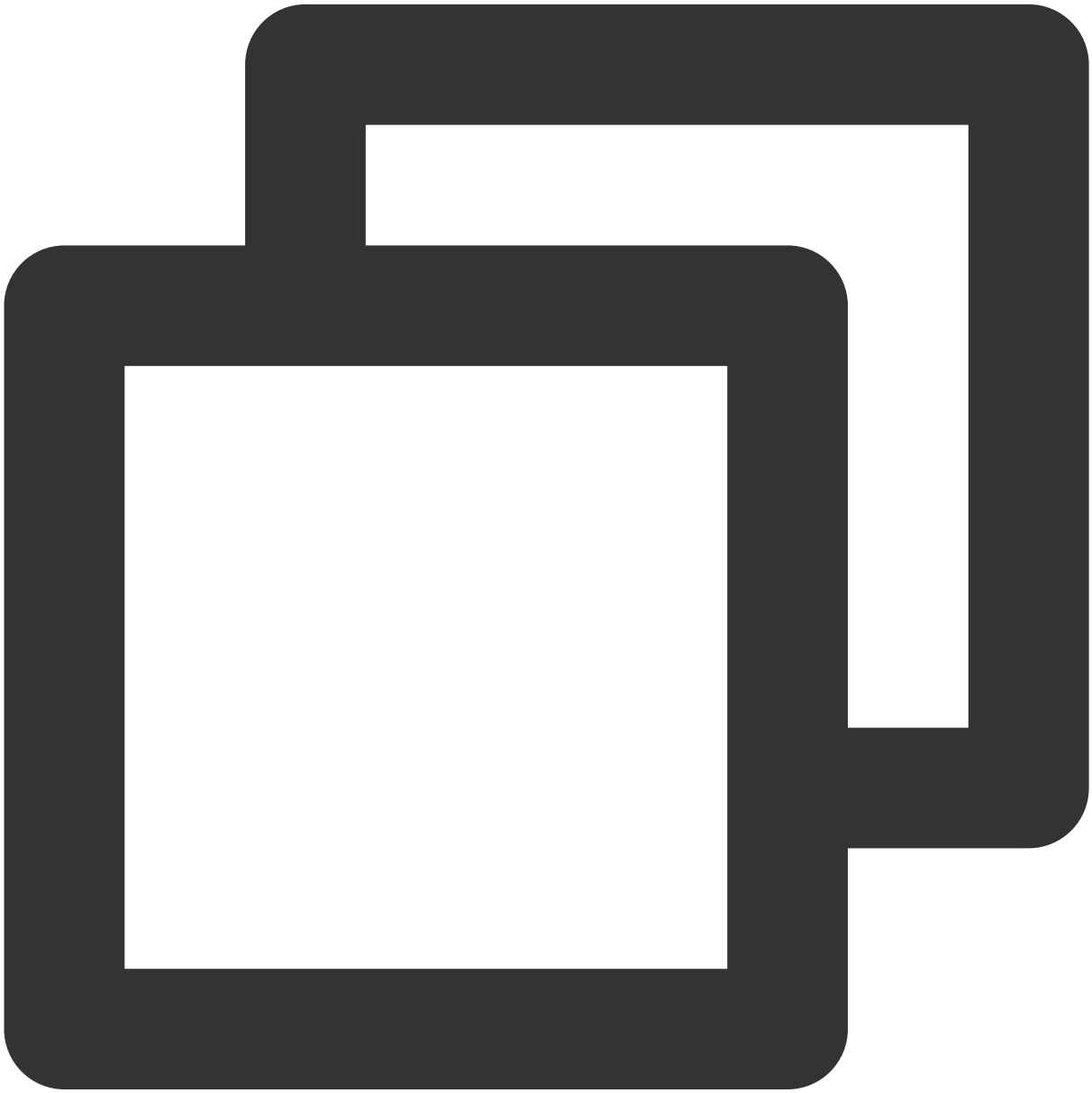
<Request>
   <Tag>Concat</Tag>
   <Name>TemplateName</Name>
   <ConcatTemplate>
        <ConcatFragment>
```

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```
            <Mode>Start</Mode>
            <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/start.mp4</Ur
        </ConcatFragment>
        <ConcatFragment>
            <Mode>End</Mode>
            <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/end.mp4</Url>
        </ConcatFragment>
        <Audio>
            <Codec>mp3</Codec>
            <Samplerate></Samplerate>
            <Bitrate></Bitrate>
            <Channels></Channels>
        </Audio>
        <Video>
            <Codec>H.264</Codec>
            <Bitrate>1000</Bitrate>
            <Width>1280</Width>
            <Height></Height>
            <Fps>30</Fps>
        </Video>
        <Container>
            <Format>mp4</Format>
        </Container>
        <AudioMix>
            <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3</Au
            <MixMode>Once</MixMode>
            <Replace>true</Replace>
            <EffectConfig>
                <EnableStartFadein>true</EnableStartFadein>
                <StartFadeinTime>3</StartFadeinTime>
                <EnableEndFadeout>false</EnableEndFadeout>
                <EndFadeoutTime>0</EndFadeoutTime>
                <EnableBgmFade>true</EnableBgmFade>
                <BgmFadeTime>1.7</BgmFadeTime>
            </EffectConfig>
        </AudioMix>
    </ConcatTemplate>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
        <Tag>Concat</Tag>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <ConcatTemplate>
            <ConcatFragment>
                <Mode>Start</Mode>
                <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/start.mp4
            </ConcatFragment>
            <ConcatFragment>
                <Mode>End</Mode>
                <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/end.mp4</
            </ConcatFragment>
            <Audio>
                <Codec>mp3</Codec>
                <Samplerate></Samplerate>
                <Bitrate></Bitrate>
                <Channels></Channels>
            </Audio>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Height></Height>
                <Fps>30</Fps>
            </Video>
            <Container>
                <Format>mp4</Format>
            </Container>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
                <EffectConfig>
                    <EnableStartFadein>true</EnableStartFadein>
                    <StartFadeinTime>3</StartFadeinTime>
                    <EnableEndFadeout>false</EnableEndFadeout>
                    <EndFadeoutTime>0</EndFadeoutTime>
                    <EnableBgmFade>true</EnableBgmFade>
                    <BgmFadeTime>1.7</BgmFadeTime>
                </EffectConfig>
            </AudioMix>
        </ConcatTemplate>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Top Speed Codec Transcoding Template

Last updated：2024-02-27 15:52:06

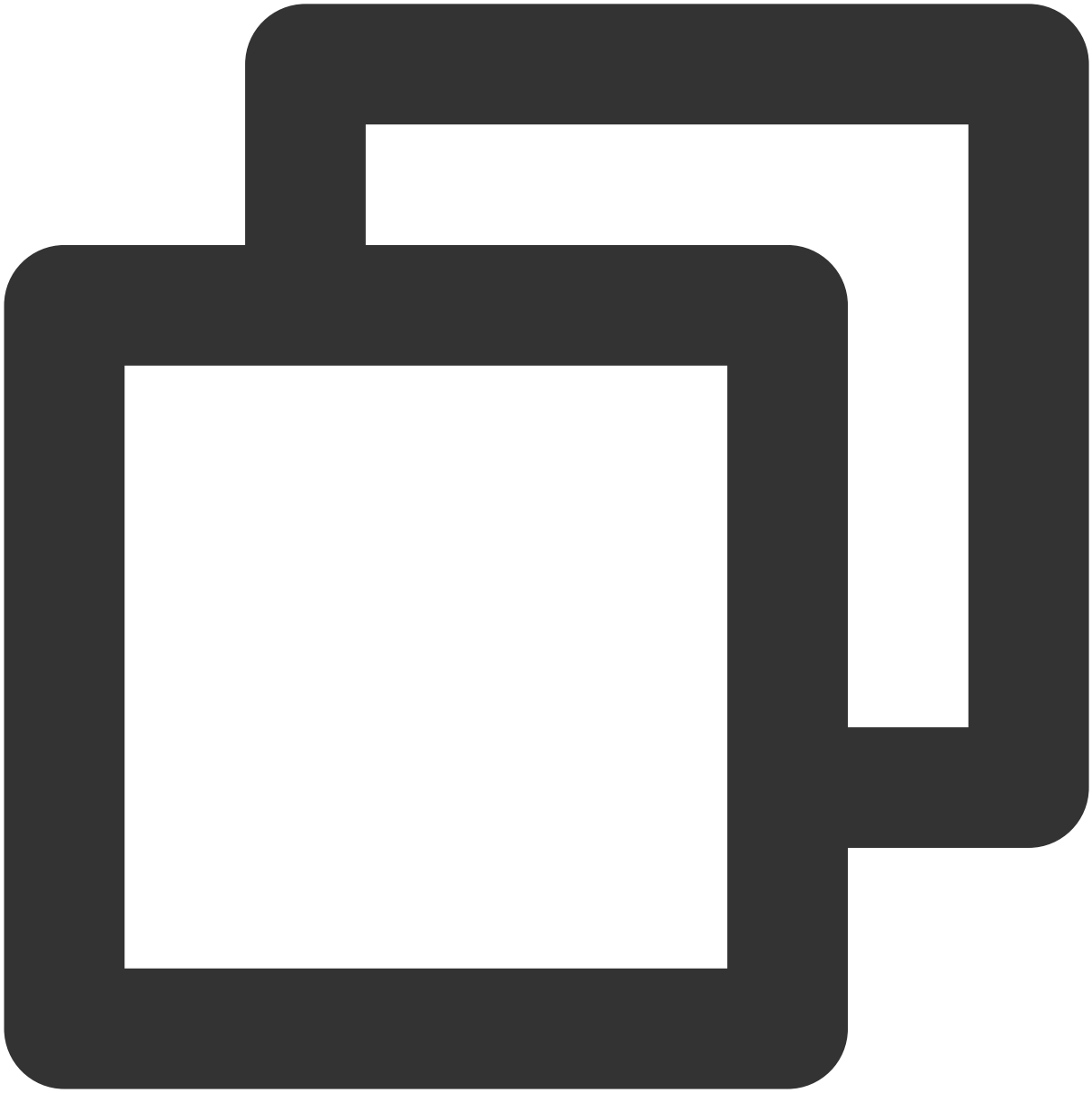
Feature Description

This API is used to create a top speed codec transcoding template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

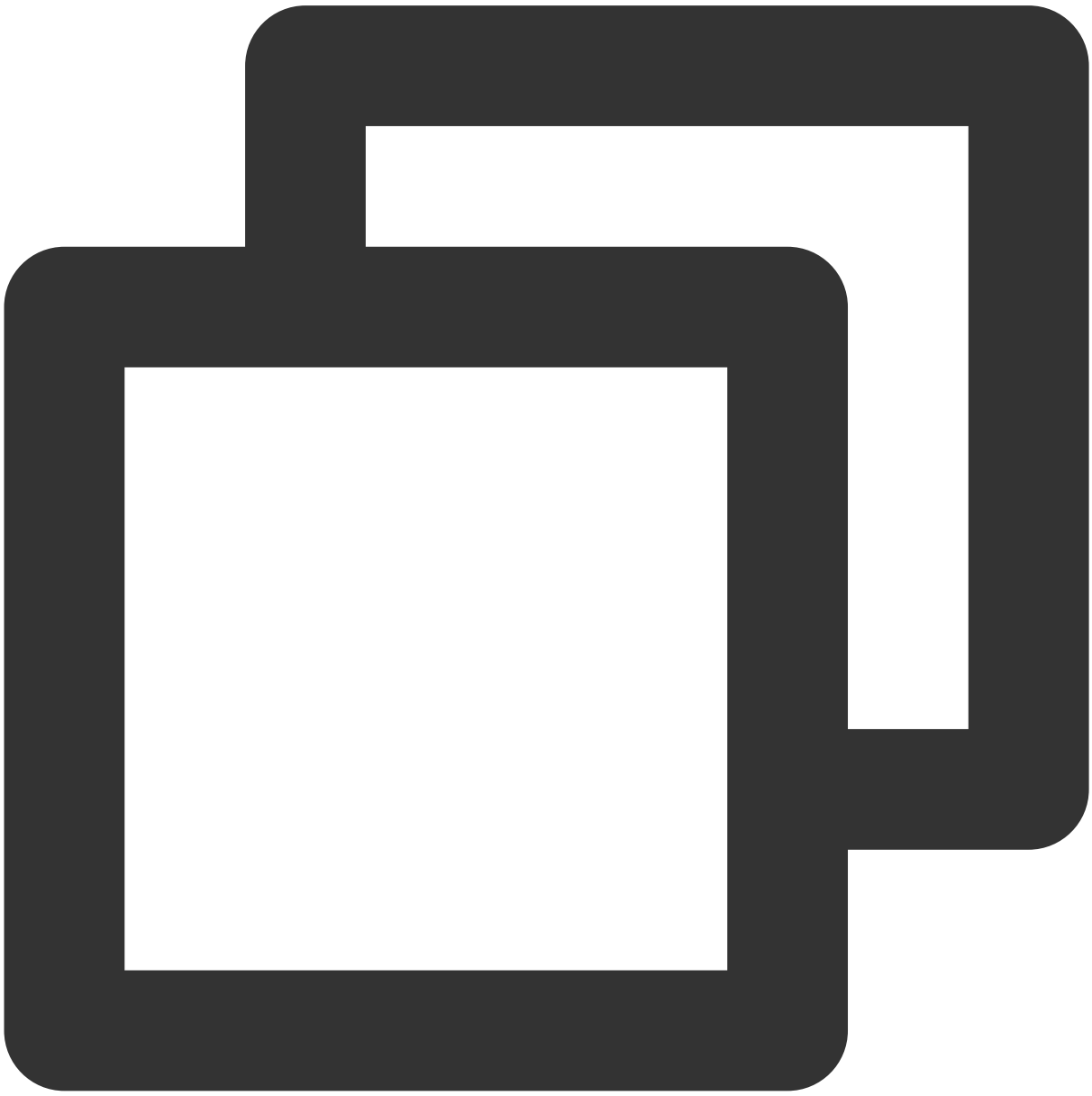
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>HighSpeedHd</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
        <Bufsize>0</Bufsize>
        <Maxrate>0</Maxrate>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </Audio>
    <TransConfig>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Template tag: HighSpeedHd	String	Yes	None
Name	Request	Template name, which can contain	String	Yes	None

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		letters, digits, underscores (_), hyphens (-), and asterisks (*).			
Container	Request	Container format	Container	Yes	None
Video	Request	Video information	Container	Yes	None
TimeInterval	Request	Time interval	Container	No	None
Audio	Request	Audio information	Container	No	None
TransConfig	Request	Transcoding configuration	Container	No	None

`Container` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Format	Request.Container	Container format. Valid values: `mp4`, `flv`, `hls`.	String	Yes
ClipConfig	Request.Container	Segment configuration. This node will take effect only when `Format` is `hls`.	Container	No

`ClipConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Duration	Request.Container.ClipConfig	Segment duration. Default value: 5s	String	No

Audio/Video formats supported by different container formats are as follows:

Container	Audio Codecs	Video Codecs
mp4/hls/mkv	AAC, MP3	H.264, H.265
flv	AAC, MP3	H.264

`Video` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints

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Codec	Request.Video	Codec format	String	No	H.264	H.264, H.265
Width	Request.Video	Width	String	No	Original video width	Value range: [128, 4096] Unit: px If only Width is set, Height is calculated according to the original video aspect ratio. This parameter must be an even number.
Height	Request.Video	Height	String	No	Original video height	Value range: [128, 4096] Unit: px If only Height is set, Width is calculated according to the original video aspect ratio. This parameter must be an even number.
Fps	Request.Video	Frame rate	String	No	None	Value range: (0, 60] Unit: fps
Profile	Request.Video	Encoding level	String	No	high	Valid values: baseline, main, high. baseline: Suitable for mobile devices main: Suitable for standard resolution devices high: Suitable for high resolution devices Only H.264 supports this parameter.
Bitrate	Request.Video	Bitrate of the video output file	String	No	None	Value range: [10, 50000] Unit: Kbps
Crf	Request.Video	Bitrate, which is a	String	No	None	Value range: (0, 51]

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		quality control factor				If Crf is set, the setting of Bitrate will become invalid. If Bitrate is empty, 25 is used for this parameter by default.
Gop	Request.Video	Maximum number of frames between two keyframes	String	No	None	Value range: [0, 100000]
Preset	Request.Video	Video algorithm preset	String	No	medium	Only H.264 supports this parameter. Valid values: veryfast, fast, medium, slow, slower.
Bufsize	Request.Video	Buffer size	String	No	None	Value range: [1000, 128000] Unit: Kb
Maxrate	Request.Video	Peak video bitrate	String	No	None	Value range: [10, 50000] Unit: Kbps
Pixfmt	Request.Video	Video color format	String	No	None	Valid values for H.264: yuv420p, auto. Valid values for H.265: yuv420p, yuv420p10le, auto.
Rotate	Request.Video	Rotation angle	String	No	None	Value range: [0, 360) Unit: Degree

`TimeInterval` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Start	Request.TimeInterval	Start time	String	No	None	Value range: [0, video duration] Unit: Second

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						The float format is supported, accurate to the millisecond.
Duration	Request.TimeInterval	Duration	String	No	None	Value range: [0, video duration] Unit: Second The float format is supported, accurate to the millisecond.

`Audio` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Codec	Request.Audio	Codec format	String	No	aac	Valid values: `aac`, `mp3`.
Samplerate	Request.Audio	Sample rate	String	No	44100	1. Unit: Hz 2. Valid values: 11025, 22050, 32000, 44100, 48000, 96000. 3. Different container formats support different MP3 sample rates, as shown in the table below.
Bitrate	Request.Audio	Original audio bitrate	String	No	None	1. Unit: Kbps 2. Value range: [8, 1000]
Channels	Request.Audio	Number of sound channels	String	No	None	1. If Codec is aac, the value can be 1, 2, 4, 5, 6, or 8. 2. If Codec is mp3, the value can be 1 or 2.
Remove	Request.Audio	Whether to	String	No	false	Valid values:

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		delete the source audio stream				`true`, `false`.

Note:

Y indicates supported, and N indicates unsupported.

Container Format/Audio Sample Rate	11025	22050	32000	44100	48000	96000
flv	N	Y	N	Y	N	N
mp4	N	Y	Y	Y	Y	N
hls/mkv	Y	Y	Y	Y	Y	N

`TransConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Cons
AdjDarMethod	Request.TransConfig	Resolution adjustment method	String	No	none	Valic crop If the the c diffe the c the r adju to th
IsCheckReso	Request.TransConfig	Whether to check the resolution	String	No	false	Valic false If the trans perfc setti
ResoAdjMethod	Request.TransConfig	Resolution adjustment method	String	No	0	Valic indic origi reso indic

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						the t failu This take whe is tru
IsCheckVideoBitrate	Request.TransConfig	Whether to check the video bitrate	String	No	false	Valic false If the trans perfc setti
VideoBitrateAdjMethod	Request.TransConfig	Video bitrate adjustment method	String	No	0	Valic Whe vide bitra vide use vide indic the t failu This take whe IsCh is tru
IsCheckAudioBitrate	Request.TransConfig	Whether to check the audio bitrate	String	No	false	Valic false If the trans perfc setti
AudioBitrateAdjMethod	Request.TransConfig	Audio bitrate adjustment method	String	No	0	Valic Whe audi bitra audi use audi indic

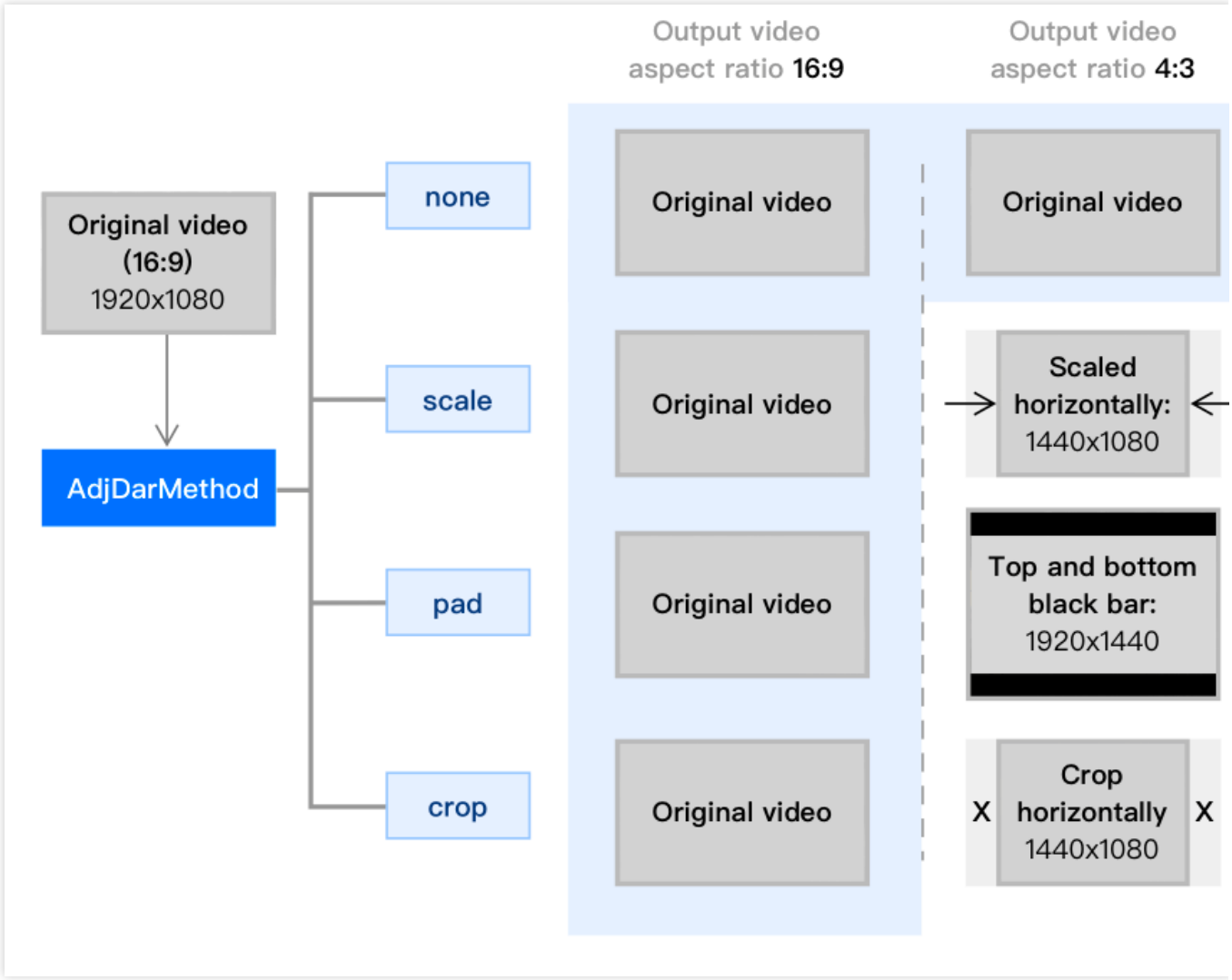
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						the t failu This take whe IsCh is tru
IsCheckVideoFps	Request.TransConfig	Whether to check the video frame rate	String	No	false	Valic false If the trans perf setti
VideoFpsAdjMethod	Request.TransConfig	Video frame rate adjustment method	String	No	0	Valic Whe vide fram inpu indic origi rate, to re trans mes This take whe IsCh true.
DeleteMetadata	Request.TransConfig	Whether to delete metadata from the file	String	No	false	Valic false If the the s infor retai
IsHdr2Sdr	Request.TransConfig	Whether to enable HDR-to-SDR conversion	String	No	false	true/
HlsEncrypt	Request.TransConfig	HLS encryption	Container	No	None	Non

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		configuration				

The `AdjDarMethod` parameter is illustrated as follows:



`HlsEncrypt` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constrai
IsHlsEncrypt	Request.TransConfig.HlsEncrypt	Whether to enable HLS encryption	String	No	false	1. Valid v true, fals 2. Encryp supporte when Containe is hls.

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UriKey	Request.TransConfig.HlsEncrypt	HLS encryption key	String	No	None	This para take effe when `IsHlsE` is `true`

Response

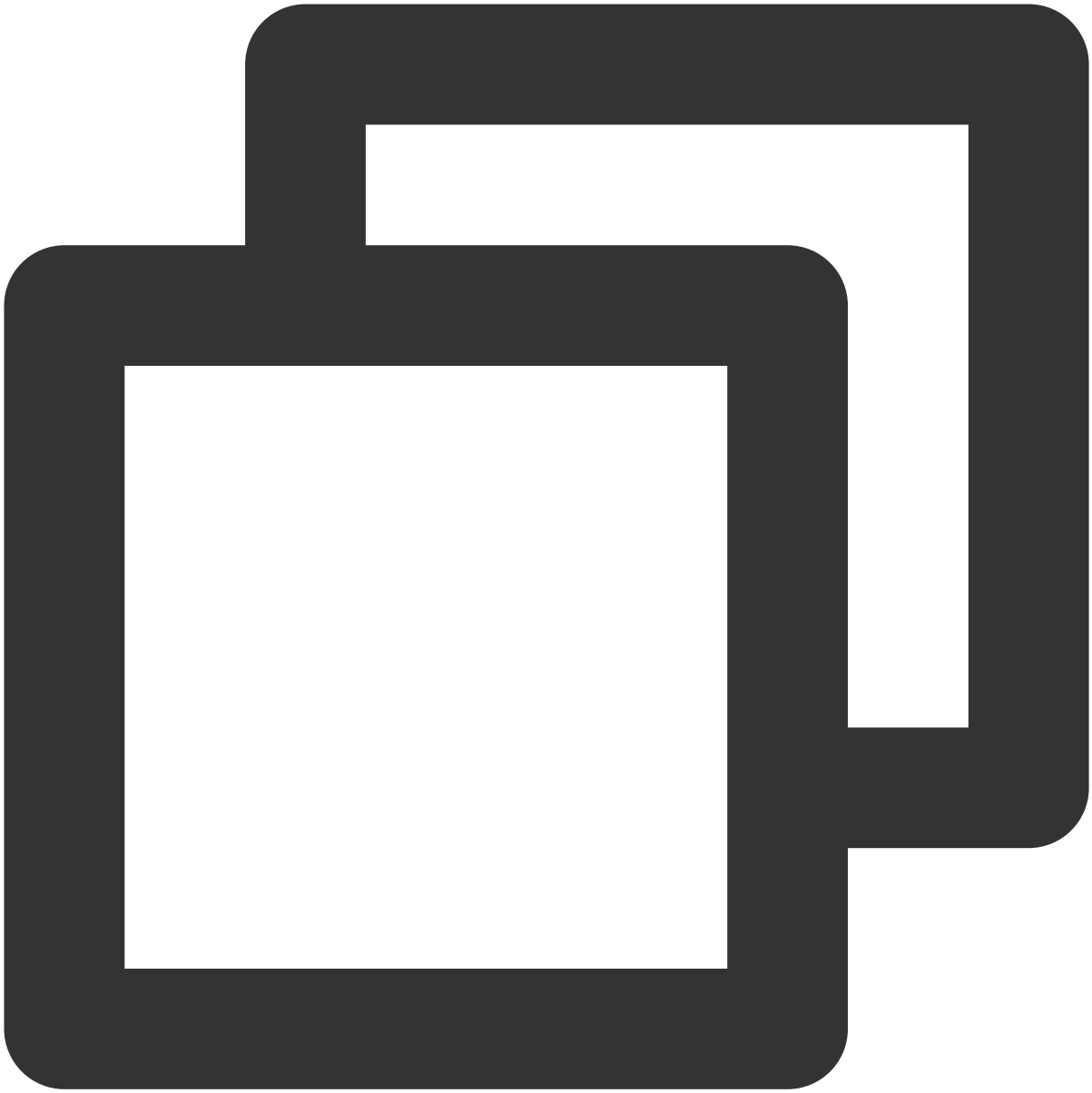
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>HighSpeedHd</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <HighSpeedHd>
            <Container>
                <Format>mp4</Format>
            </Container>
```

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```
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Bufsize>0</Bufsize>
                <Maxrate>0</Maxrate>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </HighSpeedHd>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
Tag	Response.Template	Template tag: HighSpeedHd	String

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UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
HighSpeedHd	Response.Template	Template parameters	Container

`HighSpeedHd` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TimeInterval	Response.Template.HighSpeedHd	Same as `Request.TimeInterval` in the request body.	Container
Container	Response.Template.HighSpeedHd	Same as `Request.Container` in the request body.	Container
Video	Response.Template.HighSpeedHd	Same as `Request.Video` in the request body.	Container
Audio	Response.Template.HighSpeedHd	Same as `Request.Audio` in the request body.	Container
TransConfig	Response.Template.HighSpeedHd	Same as `Request.TransConfig` in the request body.	Container

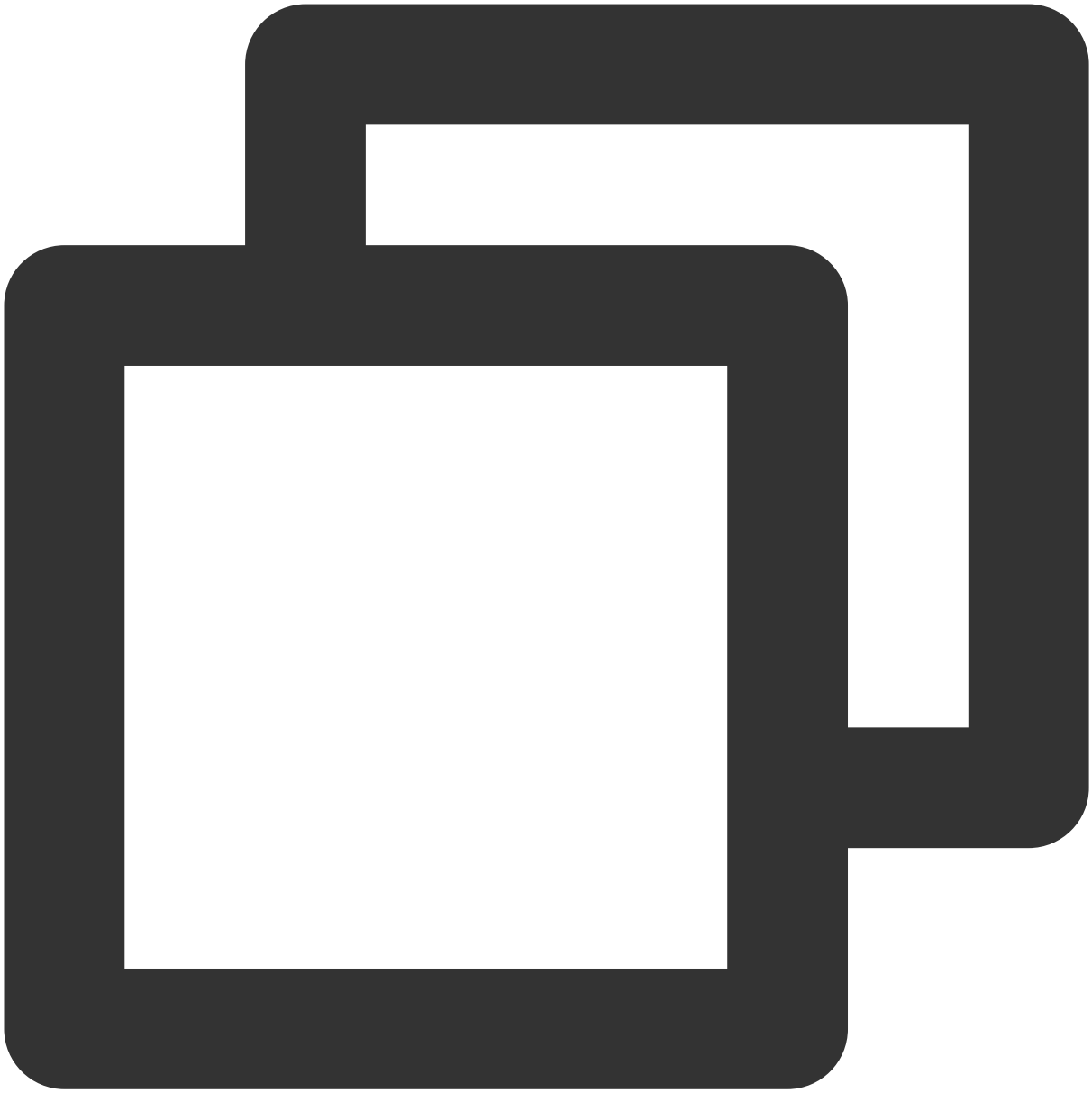
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

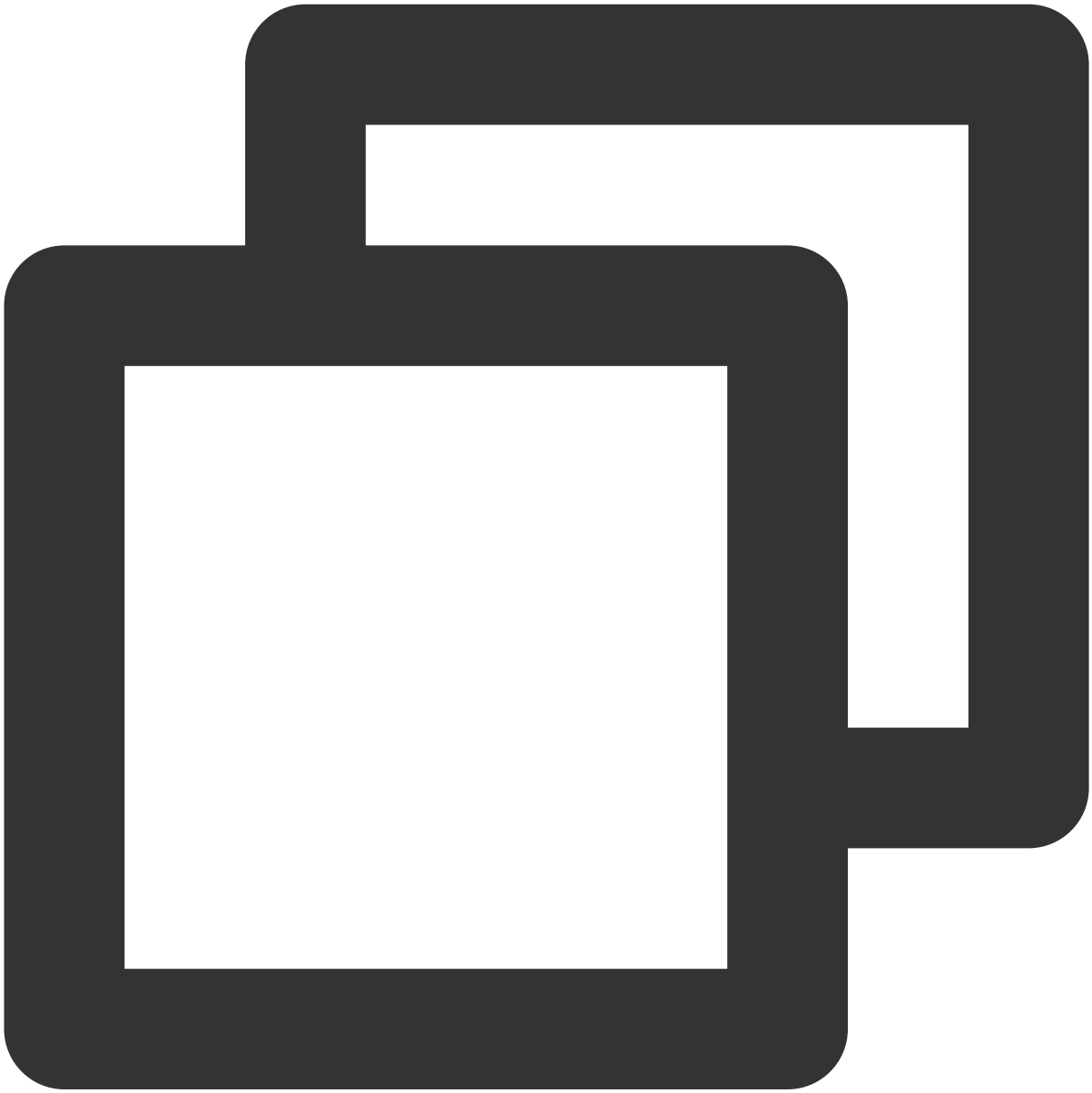
<Request>
    <Tag>HighSpeedHd</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mp4</Format>
```

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```
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
        <Bufsize>0</Bufsize>
        <Maxrate>0</Maxrate>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </Audio>
    <TransConfig>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>HighSpeedHd</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <HighSpeedHd>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Bufsize>0</Bufsize>
                <Maxrate>0</Maxrate>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </HighSpeedHd>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Screenshot Template

Last updated：2024-02-27 15:52:06

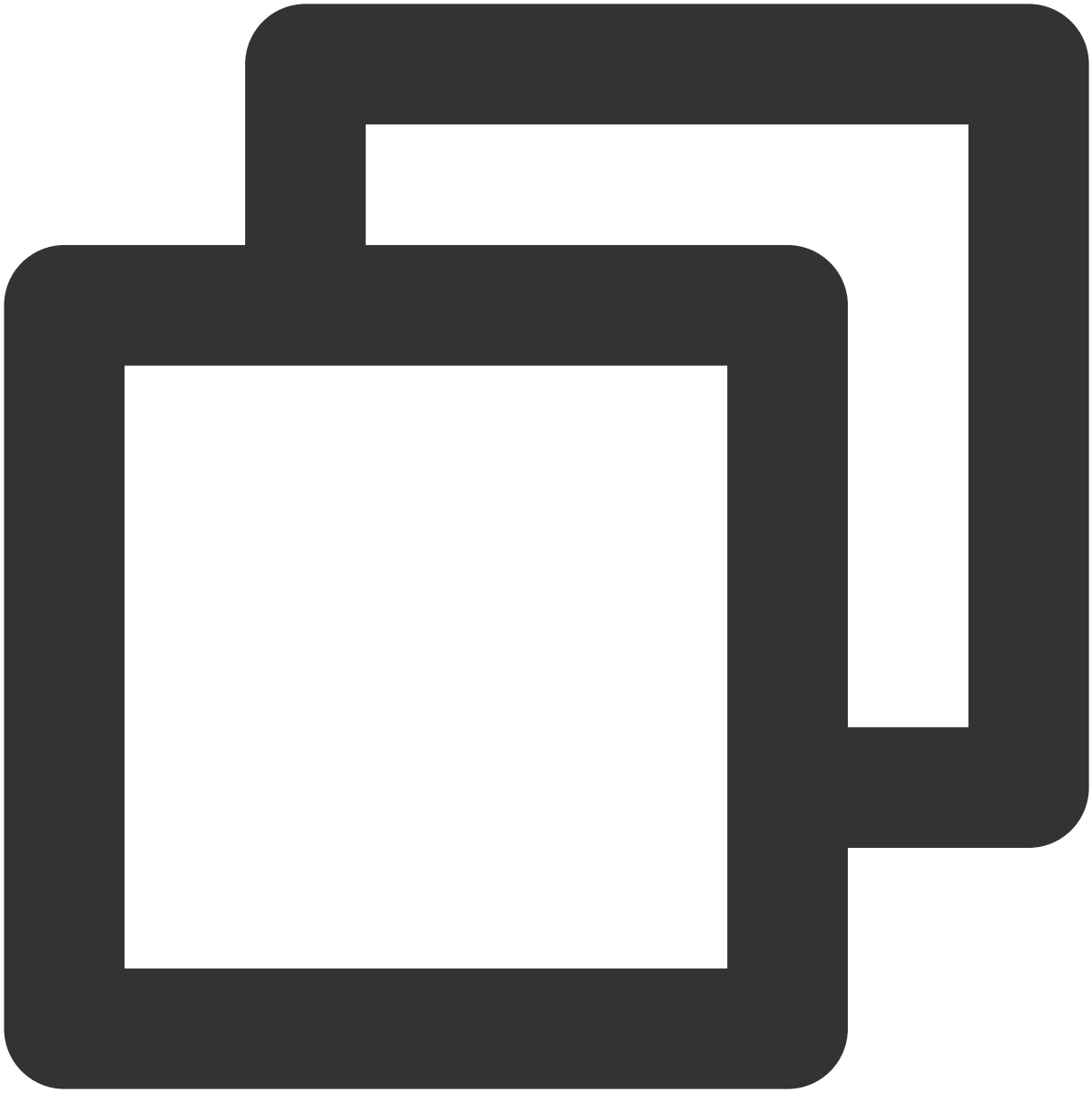
Feature Description

This API is used to create a screenshot template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

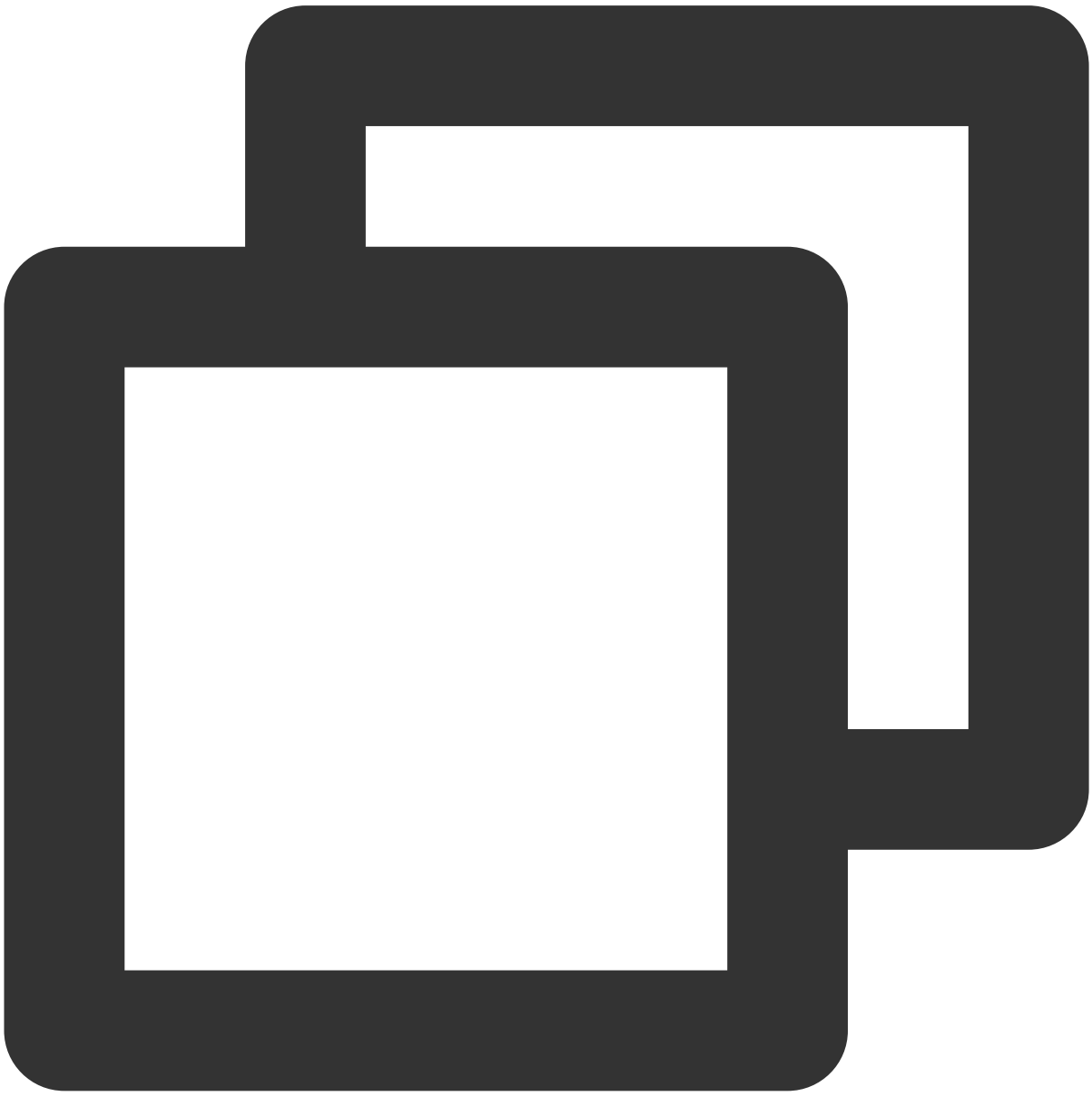
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Snapshot</Tag>
    <Name>TemplateName</Name>
    <Snapshot>
        <Mode>Interval</Mode>
        <Width>1280</Width>
        <Height>960</Height>
        <Start>0</Start>
        <TimeInterval>0.5</TimeInterval>
        <Count>10</Count>
        <SnapshotOutMode>OnlySprite</SnapshotOutMode>
        <SpriteSnapshotConfig>
            <Color>Aquamarine</Color>
            <Columns>3</Columns>
            <Lines>3</Lines>
        </SpriteSnapshotConfig>
    </Snapshot>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Template tag: Snapshot	String	Yes
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes
Snapshot	Request	Screenshot	Container	Yes

`Snapshot` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	C
Mode	Request.Snapshot	Screenshot mode	String	No	Interval	V A

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						Ir A m K m Ir S C va T a ca n ca C A S p in to a S vi
Start	Request.Snapshot	Start time	String	No	0	[0 U S fo m
TimeInterval	Request.Snapshot	Screenshot time interval	String	No	None	(0 U S fo m
Count	Request.Snapshot	Number of screenshots	String	Yes	None	(0
Width	Request.Snapshot	Width	String	No	Original video width	V 4 U If H b vi

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Height	Request.Snapshot	Height	String	No	Original video height	V 4 U If W b vi
CIParam	Request.Snapshot	Screenshot processing parameter	String	No	None	S E in
IsCheckCount	Request.Snapshot	Whether to force check the number of screenshots	String	No	false	W in ta vi to s a s C
IsCheckBlack	Request.Snapshot	Whether to enable black screen check	String	No	false	tr
BlackLevel	Request.Snapshot	Screenshot black screen check parameter	String	No	None	V Is V in o s s b If p a n If p fr s b
PixelBlackThreshold	Request.Snapshot	Screenshot	String	No	None	V

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		black screen check parameter				Is T d p ra
SnapshotOutMode	Request.Snapshot	Screenshot output mode parameter	String	No	OnlySnapshot	V C C S C s C in S C a
SpriteSnapshotConfig	Request.Snapshot	Image sprite output configuration	Container	No	None	N

`Snapshot.SpriteSnapshotConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value
CellWidth	Request.Snapshot.SpriteSnapshotConfig	Subimage width	String	No	Screenshot width
CellHeight	Request.Snapshot.SpriteSnapshotConfig	Subimage height	String	No	Screenshot height
Padding	Request.Snapshot.SpriteSnapshotConfig	Image sprite padding size	String	No	0
Margin	Request.Snapshot.SpriteSnapshotConfig	Image sprite margin size	String	No	0

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Color	Request.Snapshot.SpriteSnapshotConfig	Background color	String	Yes	None
Columns	Request.Snapshot.SpriteSnapshotConfig	Number of columns in the image sprite	String	Yes	0
Lines	Request.Snapshot.SpriteSnapshotConfig	Number of rows in the image sprite	String	Yes	0

Response

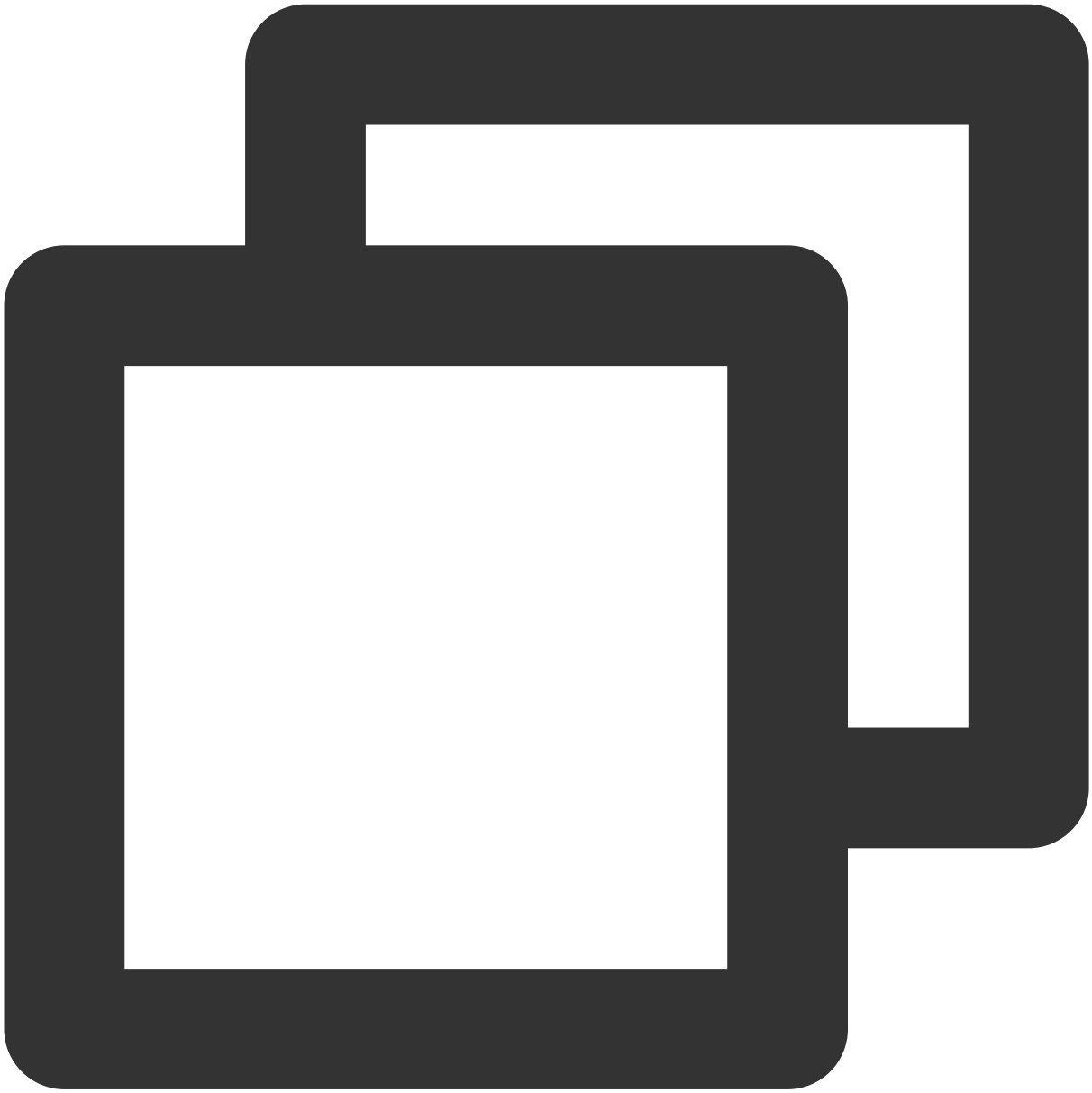
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>Snapshot</Tag>
        <Name>TemplateName</Name>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <Snapshot>
            <Mode>Interval</Mode>
            <Width>1280</Width>
            <Height>960</Height>
```

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```
            <Start>0</Start>
            <TimeInterval>0.5</TimeInterval>
            <Count>10</Count>
            <SnapshotOutMode>OnlySprite</SnapshotOutMode>
            <SpriteSnapshotConfig>
                <Color>Aquamarine</Color>
                <Columns>3</Columns>
                <Lines>3</Lines>
            </SpriteSnapshotConfig>
        </Snapshot>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Tag	Response	Template tag: Snapshot	String
Name	Response	Template name	String
TemplateId	Response	Template ID	String
UpdateTime	Response	Update time	String
CreateTime	Response	Creation time	String
Snapshot	Response	Template parameter, which is the same as the `Snapshot` in the request body.	Container

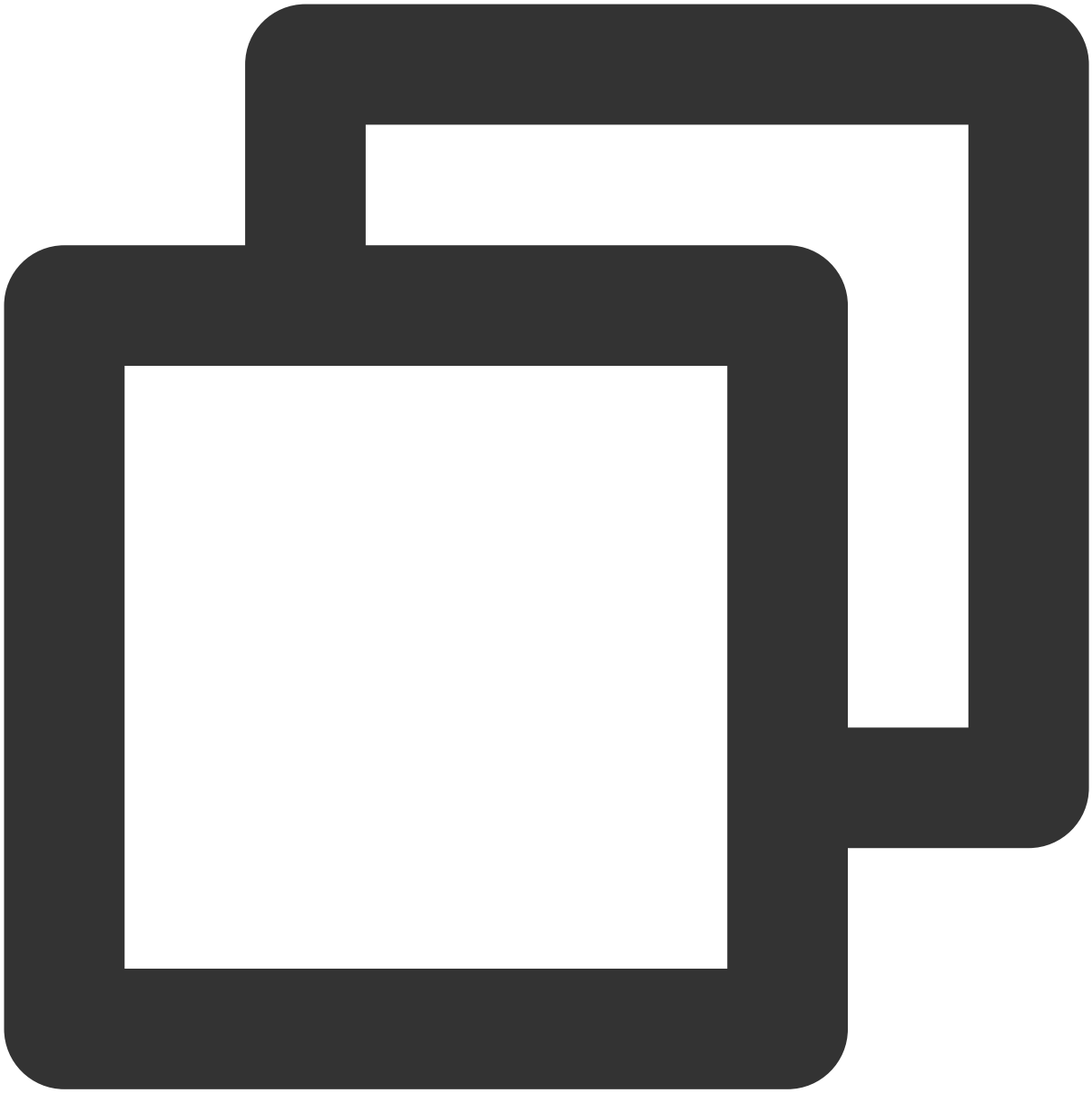
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

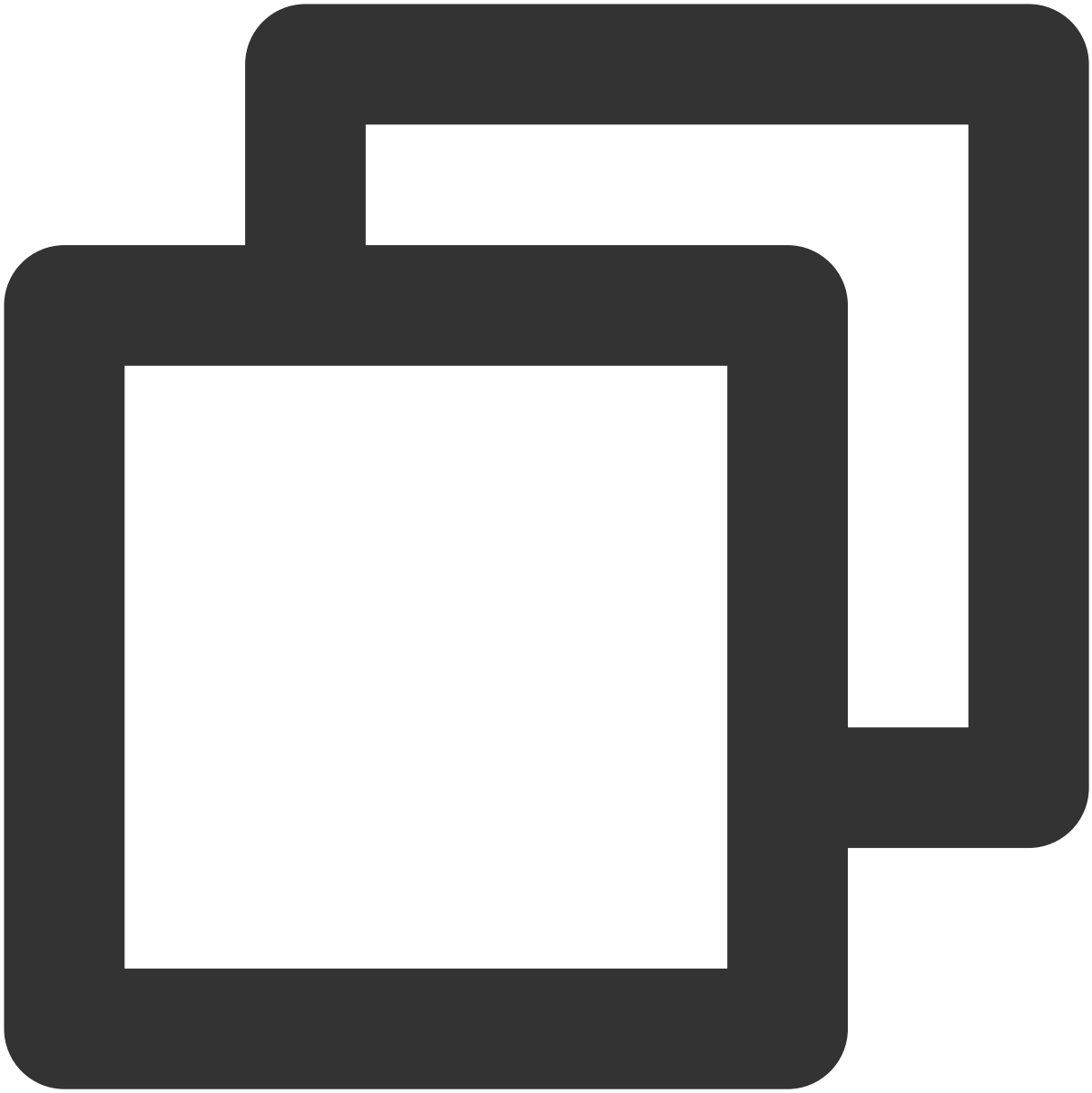
<Request>
    <Tag>Snapshot</Tag>
    <Name>TemplateName</Name>
    <Snapshot>
        <Mode>Interval</Mode>
```

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```
        <Width>1280</Width>
        <Height>960</Height>
        <Start>0</Start>
        <TimeInterval>0.5</TimeInterval>
        <Count>10</Count>
        <SnapshotOutMode>OnlySprite</SnapshotOutMode>
        <SpriteSnapshotConfig>
            <Color>Aquamarine</Color>
            <Columns>3</Columns>
            <Lines>3</Lines>
        </SpriteSnapshotConfig>
    </Snapshot>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <Template>
        <Tag>Snapshot</Tag>
```

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```
        <Name>TemplateName</Name>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <Snapshot>
            <Mode>Interval</Mode>
            <Width>1280</Width>
            <Height>960</Height>
            <Start>0</Start>
            <TimeInterval>0.5</TimeInterval>
            <Count>10</Count>
            <SnapshotOutMode>OnlySprite</SnapshotOutMode>
            <SpriteSnapshotConfig>
                <Color>Aquamarine</Color>
                <Columns>3</Columns>
                <Lines>3</Lines>
            </SpriteSnapshotConfig>
        </Snapshot>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Super Resolution Template

Last updated：2024-02-27 15:52:06

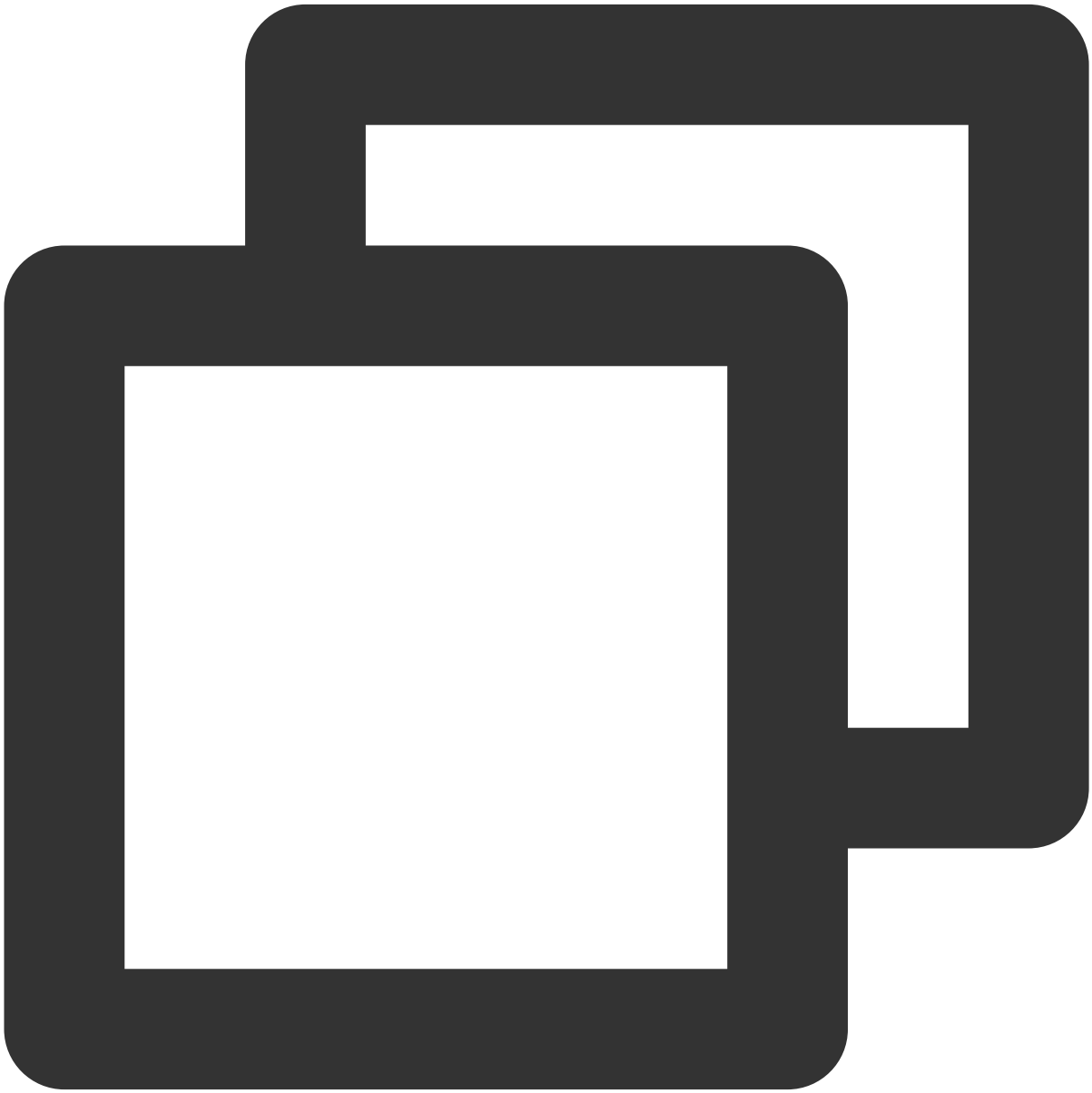
Feature Description

This API is used to create a super resolution template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

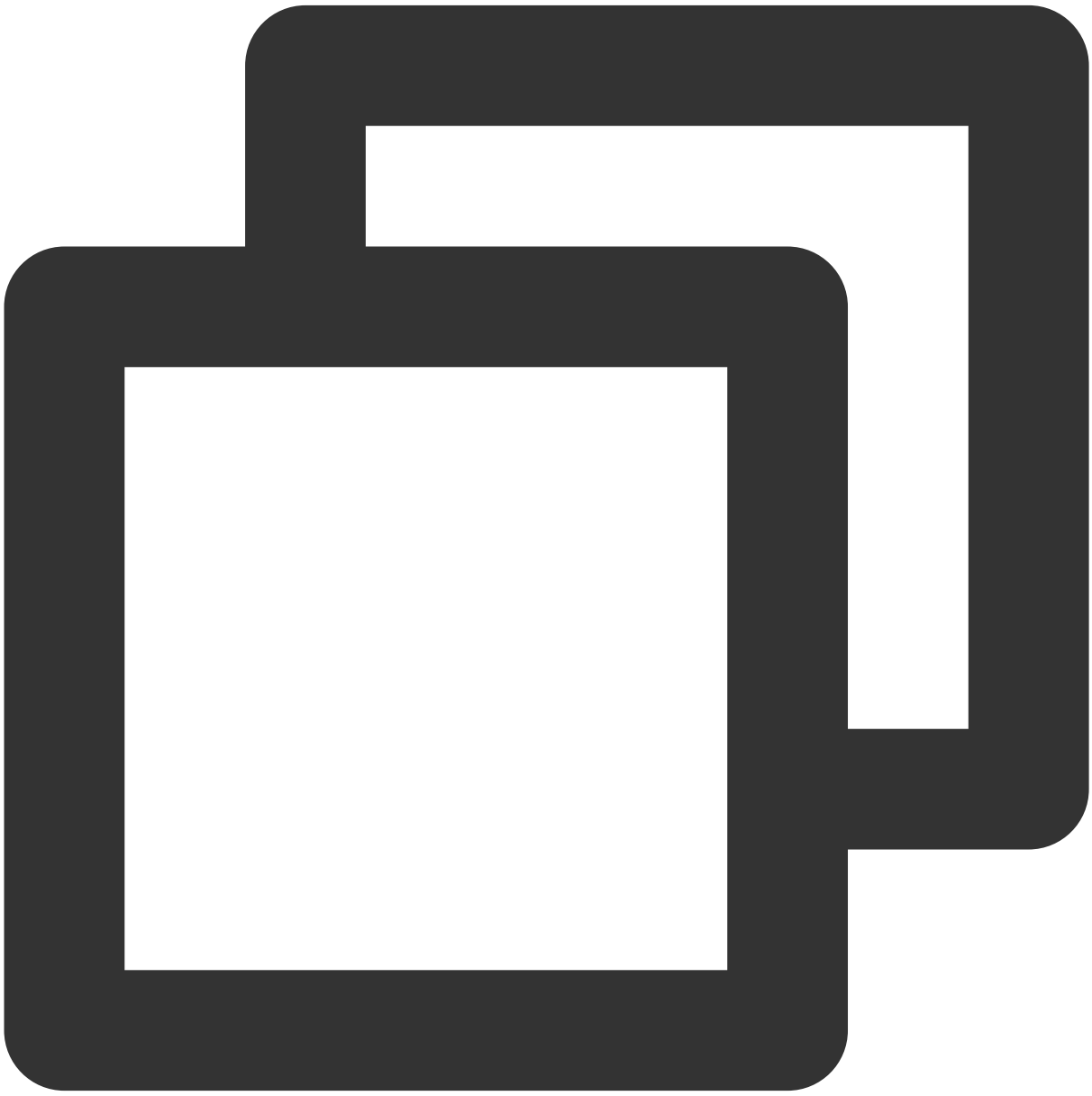
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SuperResolution</Tag>
    <Name>TemplateName</Name>
    <Resolution>sdtohd</Resolution>
    <EnableScaleUp>true</EnableScaleUp>
    <Version>Enhance</Version>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Template tag: SuperResolution	String	Yes	None
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes	None
Resolution	Request	Resolution option	String	Yes	1. sdtohd: SD to HD 2. hdto4k: HD to 4K
EnableScaleUp	Request	Whether to enable automatic scaling, which is disabled by default.	String	No	true/false
Version	Request	Version. Default value: Base.	String	No	1. Base: Basic version 2. Enhance: Enhanced version

Response

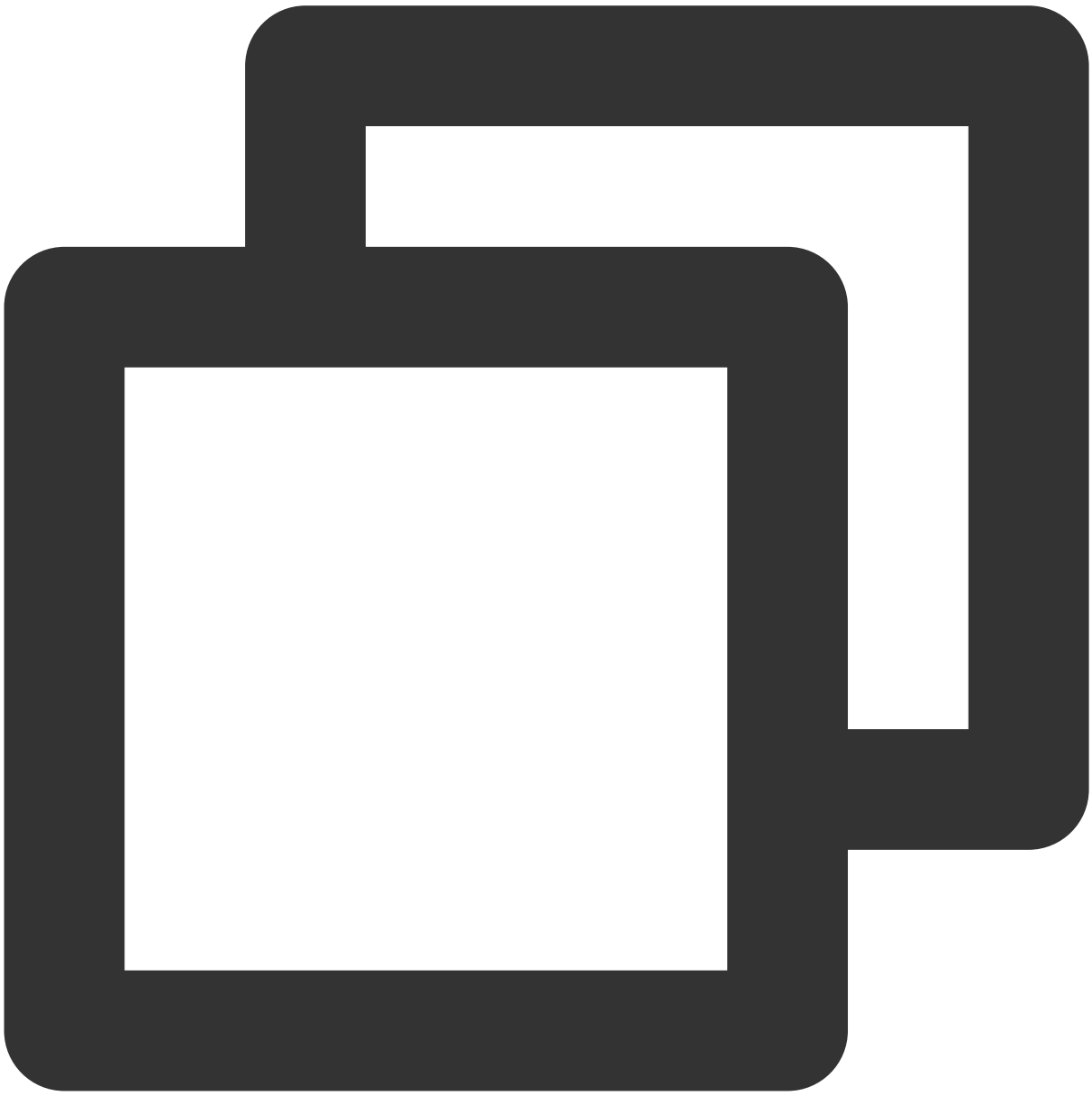
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Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <Template>
        <Tag>SuperResolution</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SuperResolution>
            <Resolution>sdtohd</Resolution>
            <EnableScaleUp>true</EnableScaleUp>
            <Version>Enhance</Version>
        </SuperResolution>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
Tag	Response.Template	Template tag: SuperResolution	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
SuperResolution	Response.Template	Template parameters	Container

`SuperResolution` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Resolution	Response.Template.SuperResolution	Same as `Request.Resolution` in the request body.	String
EnableScaleUp	Response.Template.SuperResolution	Same as	String

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		`Request.EnableScaleUp` in the request body.	

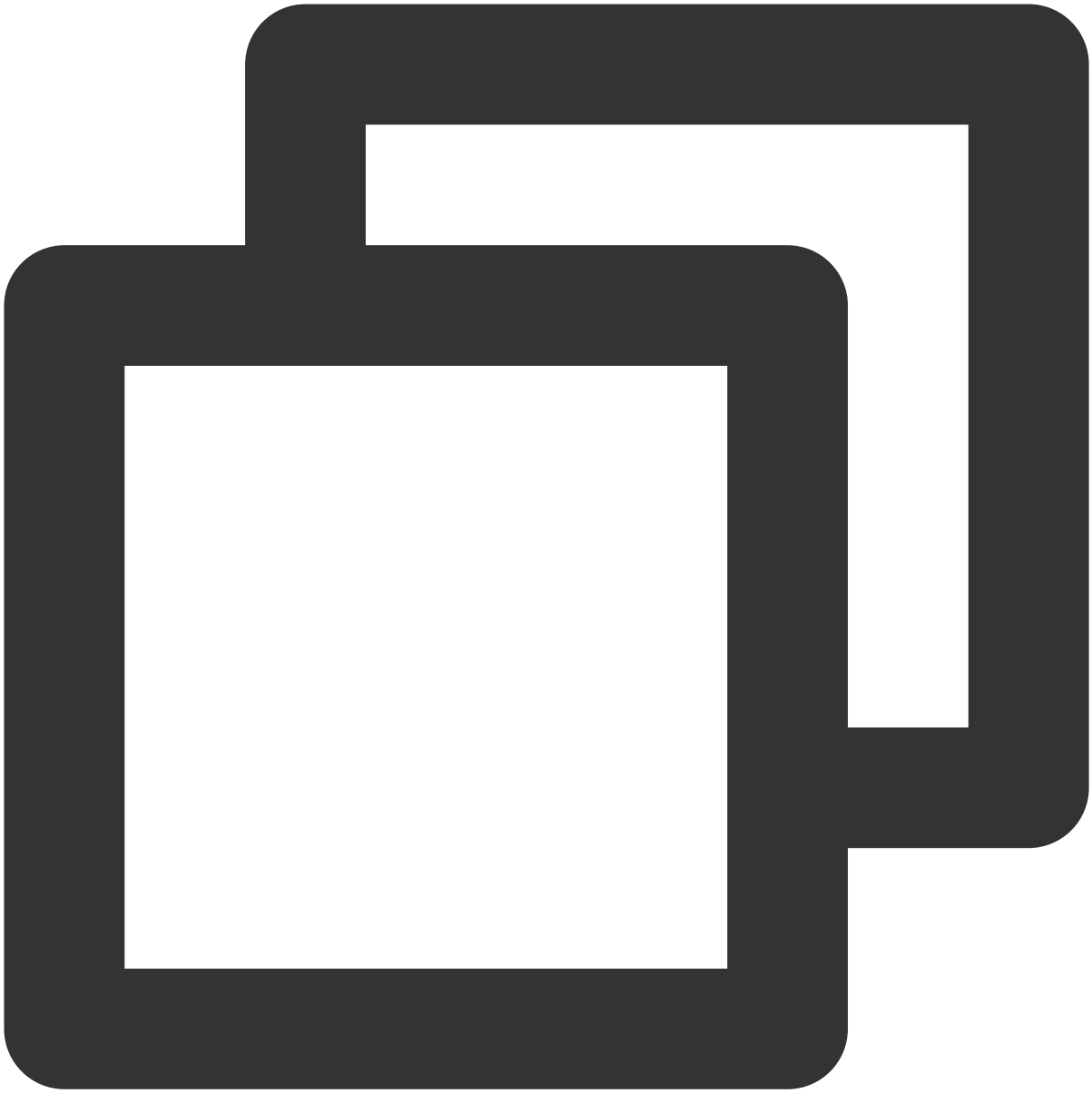
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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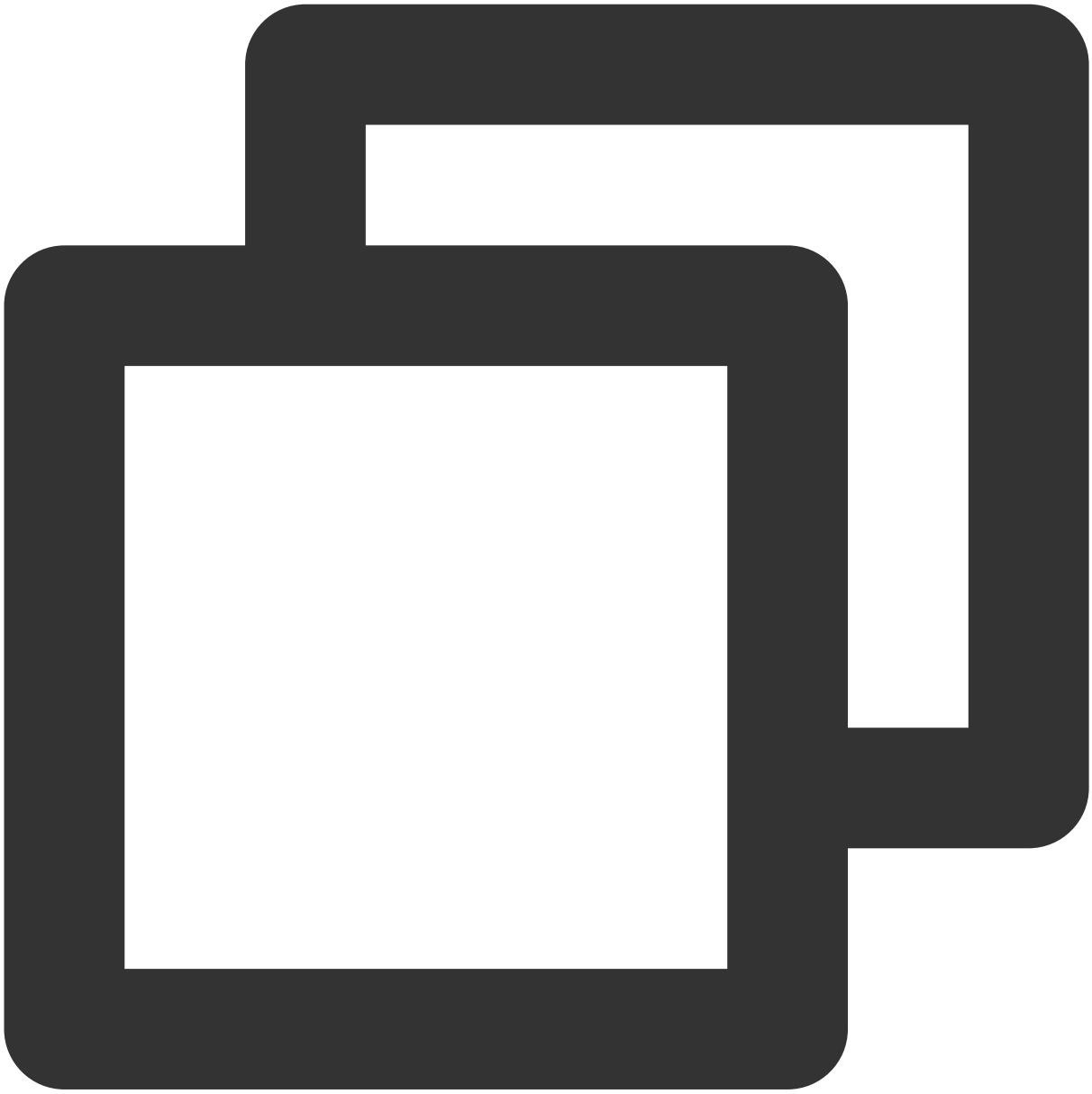
```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>SuperResolution</Tag>
    <Name>TemplateName</Name>
    <Resolution>sdtohd</Resolution>
    <EnableScaleUp>true</EnableScaleUp>
```

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```
    <Version>Enhance</Version>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
```

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```
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>SuperResolution</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SuperResolution>
            <Resolution>sdtohd</Resolution>
            <EnableScaleUp>true</EnableScaleUp>
            <Version>Enhance</Version>
        </SuperResolution>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Audio/Video Transcoding Template

Last updated：2024-02-27 15:52:05

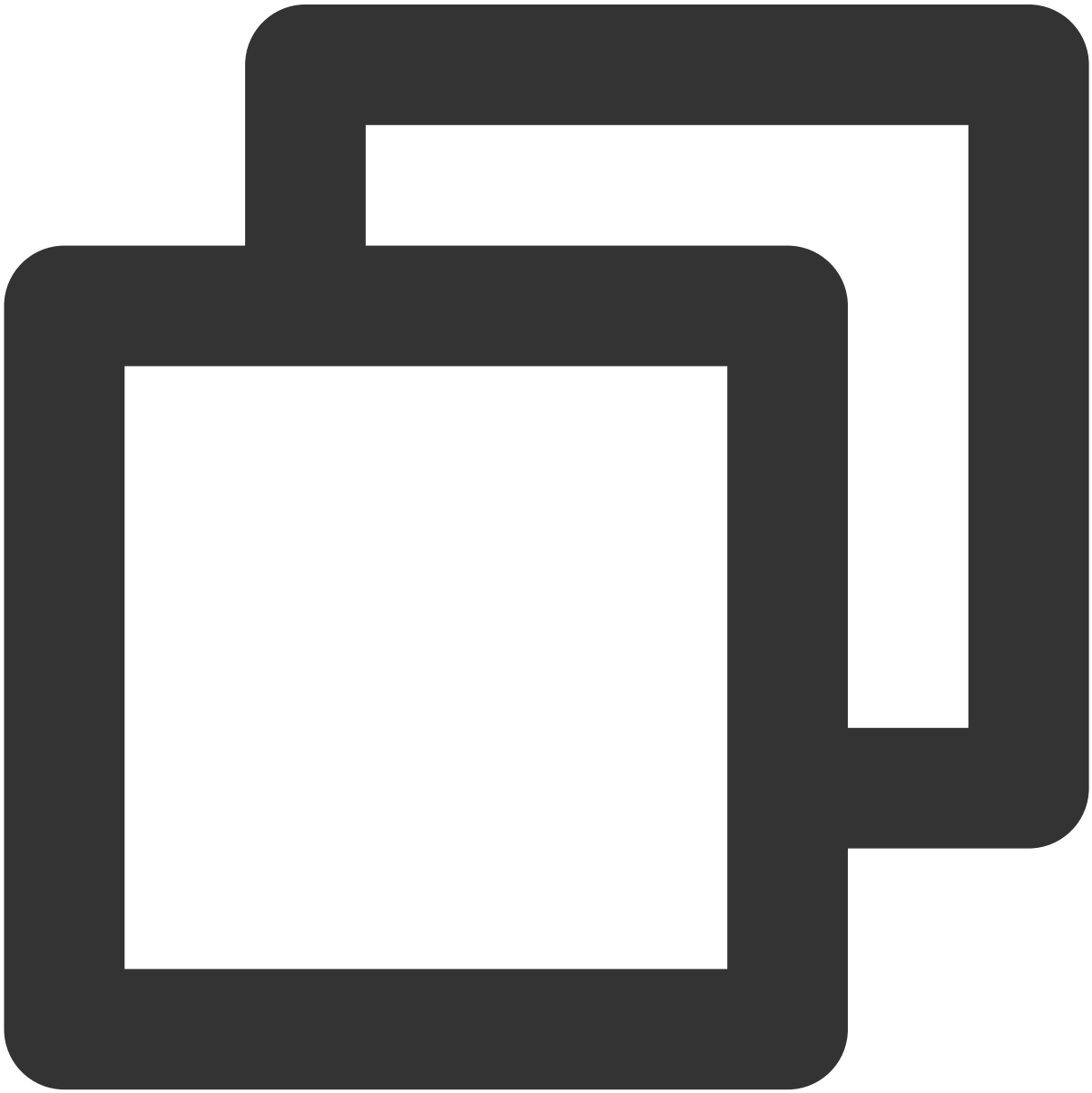
Overview

This API is used to create an audio/Video transcoding template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (See Request Signature for details.)

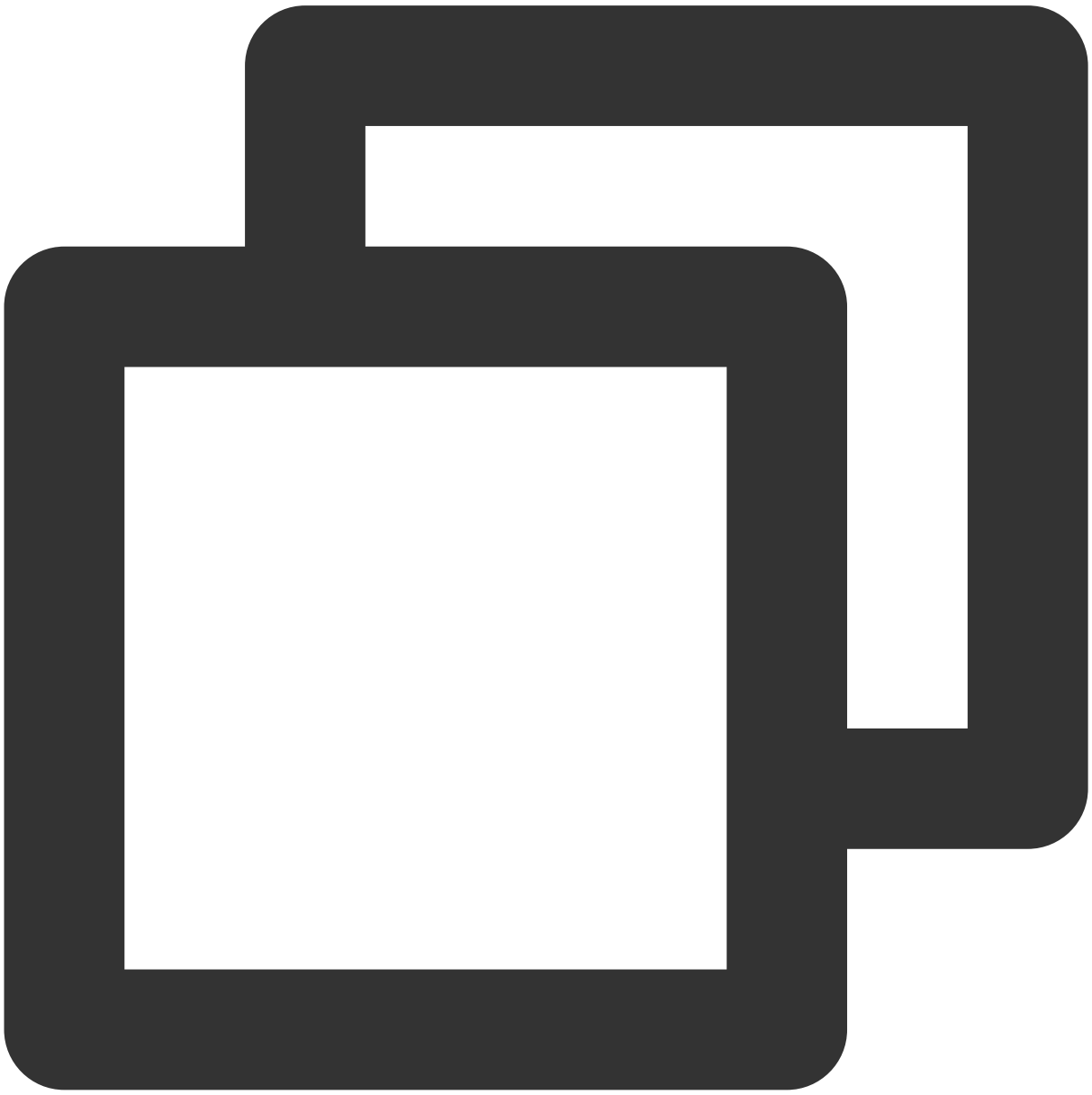
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Transcode</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Profile>high</Profile>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
        <Preset>medium</Preset>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </Audio>
    <TransConfig>
        <AdjDarMethod>scale</AdjDarMethod>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
    <AudioMixArray>
        <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix1.mp3</Audio
        <MixMode>Once</MixMode>
        <Replace>true</Replace>
        <EffectConfig>
            <EnableStartFadein>true</EnableStartFadein>
            <StartFadeinTime>3</StartFadeinTime>
            <EnableEndFadeout>false</EnableEndFadeout>
            <EndFadeoutTime>0</EndFadeoutTime>
            <EnableBgmFade>true</EnableBgmFade>
            <BgmFadeTime>1.7</BgmFadeTime>
        </EffectConfig>
    </AudioMixArray>
    <AudioMixArray>
        <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix2.mp3</Audio
        <MixMode>Once</MixMode>
        <Replace>true</Replace>
```

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```
        <EffectConfig>
            <EnableStartFadein>true</EnableStartFadein>
            <StartFadeinTime>3</StartFadeinTime>
            <EnableEndFadeout>false</EnableEndFadeout>
            <EndFadeoutTime>0</EndFadeoutTime>
            <EnableBgmFade>true</EnableBgmFade>
            <BgmFadeTime>1.7</BgmFadeTime>
        </EffectConfig>
    </AudioMixArray>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Task type: Transcode	String	Yes	None
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes	None
Container	Request	Container format	Container	Yes	None
Video	Request	Video information	Container	No	If `Video` is not passed in, the video information will be deleted.
TimeInterval	Request	Time interval	Container	No	None
Audio	Request	Audio information	Container	No	If `Audio` is not passed in, the audio information will be deleted.
TransConfig	Request	Transcoding	Container	No	None

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		configuration			
AudioMix	Request	Audio mix parameter as described in Structure.	Container	No	Valid if `Audio.Remove` is `false`
AudioMixArray	Request	Up to two audio mix parameters as described in Structure.	Container array	No	Valid if `Audio.Remove` is `false`

`Container` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Format	Request.Container	Container format. See the following table for valid values.	String	Yes
ClipConfig	Request.Container	Segment configuration. This node will take effect only when `format` is `hls` or `dash` .	Container	No

`ClipConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Duration	Request.Container.ClipConfig	Segment duration. Default value: `5s` .	String	No

Audio/Video formats supported by different container formats are as follows:

Container	Audio Codecs	Video Codecs
mp4/hls/mkv	aac, mp3	H.264, H.265, AV1
hls/mkv	aac, mp3	H.264, H.265
ts/flv/avi/mov	aac, mp3	H.264
dash	aac	H.264
WebM	Vorbis, Opus	VP8, VP9, AV1
AAC	AAC	Not supported

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MP3	MP3	Not supported
FLAC	FLAC	Not supported
AMR	AMR	Not supported
adts	aac	Not supported
m4a	aac	Not supported
wav	pcm_s16le	Not supported

`Video` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Codec	Request.Video	Codec format	String	No	H.264 If format is WebM, the default value is VP8.	H.264 H.265 VP8 VP9 AV1
Width	Request.Video	Width	String	No	Original video width	Value range: [128, 4096] Unit: px If only Width is set, Height is calculated according to the original video aspect ratio. This parameter must be an even number.
Height	Request.Video	Height	String	No	Original video height	Value range: [128, 4096] Unit: px If only Height is set, Width is calculated according to the original video aspect ratio.

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						This parameter must be an even number.
Fps	Request.Video	Frame rate	String	No	None	Value range: (0, 60] Unit: fps
Remove	Request.Video	Whether to delete the video stream	String	No	false	Valid values: true, false.
Profile	Request.Video	Encoding level	String	No	high	Valid values: baseline, main, high, auto. If Pixfmt is auto, this parameter can only be auto and will be changed to auto if set to other values. baseline: Suitable for mobile devices. main: Suitable for standard resolution devices. high: Suitable for high resolution devices. Only H.264 supports this parameter.
Bitrate	Request.Video	Bitrate of the video output file	String	No	None	Value range: [10, 50000] kbps auto indicates adaptive bitrate.
Crf	Request.Video	Bitrate, which is a quality	String	No	None	Value range: (0, 51] If Crf is set, the setting of Bitrate

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		control factor				will become invalid. If Bitrate is empty, 25 is used for this parameter by default.
Gop	Request.Video	Maximum number of frames between two keyframes	String	No	None	Value range: [1, 100000]
Preset	Request.Video	Video algorithm preset	String	No	If Codec is H.264, the default value is medium. If Codec is VP8, the default value is good. If Codec is AV1, the default value is 5.	Valid values for H.264: veryfast, fast, medium, slow, slower. Valid values for VP8: good, realtime. Valid values for AV1: 5 (recommend), 4. H.265 and VP9 don't support this parameter.
Bufsize	Request.Video	Buffer size	String	No	None	Value range: [1000, 128000] Unit: KB If Codec is VP8 or VP9, this parameter is not supported.
Maxrate	Request.Video	Peak video bitrate	String	No	None	Value range: [10, 50000] Unit: Kbps

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						If Codec is VP8 or VP9, this parameter is not supported.
Pixfmt	Request.Video	Video color format	String	No	None	Valid values for H.264: yuv420p, yuv422p, yuv444p, yuvj420p, yuvj422p, yuvj444p, auto Valid values for H.265: yuv420p, yuv420p10le, auto If Codec is VP8, VP9, or AV1, this parameter is not supported.
LongShortMode	Request.Video	Whether to use long short mode	String	No	false	Valid values: true, false. If Codec is VP8, VP9, or AV1, this parameter is not supported.
Rotate	Request.Video	Rotation angle	String	No	None	Value range: [0, 360) Unit: Degree

`TimeInterval` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Start	Request.TimeInterval	Start time	String	No	0	Value range: [0, video duration] Unit: Second The float format is supported,

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						accurate to the millisecond.
Duration	Request.TimeInterval	Duration	String	No	Original video duration	Value range: [0, video duration] Unit: Second The float format is supported, accurate to the millisecond.

`Audio` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Codec	Request.Audio	Codec format	String	No	aac If format is WebM, the default value is Vorbis. If format is wav, the default value is pcm_s16le.	Valid values: aac, mp3, flac, amr, Vorbis, opus, pcm_s16le.
Samplerate	Request.Audio	Sample rate	String	No	If Codec is opus, the default value is 48000.	Unit: Hz Valid values: 8000, 11025, 12000, 16000, 22050, 24000, 32000, 44100, 48000, 88200, 96000. Different container formats support different MP3 sample rates, as shown in

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						the table below. If Codec is amr, the value can only be 8000. If Codec is opus, the value can be 8000, 16000, 24000, or 48000.
Bitrate	Request.Audio	Original audio bitrate	String	No	None	Unit: Kbps Value range: [8, 1000]
Channels	Request.Audio	Number of sound channels	String	No	None	If Codec is aac or flac, the value can be 1, 2, 4, 5, 6, or 8. If Codec is mp3 or opus, the value can only be 1 or 2. If Codec is Vorbis, the value can only be 2. If Codec is amr, the value can only be 1. If Codec is pcm_s16le, the value can only be 1 or 2. If Codec is dash, the value cannot be 8.
Remove	Request.Audio	Whether to delete the source audio stream	String	No	false	Valid values: true, false.
KeepTwoTracks	Request.Audio	Keep	String	No	false	Valid values:

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		double audio track				true, false. If Video.Codec is H.265, this parameter will not take effect.
SwitchTrack	Request.Audio	Switch the track	String	No	false	Valid values: true, false. If Video.Codec is H.265, this parameter will not take effect.
SampleFormat	Request.Audio	Sampling bit width	String	No	None	If Codec is aac, the value can be fltp. If Codec is mp3, the value can be fltp, s16p, or s32p. If Codec is flac, the value can be s16, s32, s16p, or s32p. If Codec is amr, the value can be s16 or s16p. If Codec is opus, the value can be s16. If Codec is pcm_s16le, the value can be s16. If Codec is Vorbis, the value can be fltp. If Video.Codec is H.265, this parameter will not take effect.

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Note:

Y indicates supported, and N indicates unsupported.

`Audio.Codec` supports sample rates as follows:

Audio.Codec	aac	amr	flac	opus	Vorbis	pcm_s16le	mp3
8000	Y	Y	Y	Y	Y	Y	Different sample rates are supported for different container formats.
11025	Y	N	Y	N	Y	Y	
12000	Y	N	Y	N	Y	Y	
16000	Y	N	Y	Y	Y	Y	
22050	Y	N	Y	N	Y	Y	
24000	Y	N	Y	Y	Y	Y	
32,000	Y	N	Y	N	Y	Y	
44100	Y	N	Y	N	Y	Y	
48000	Y	N	Y	Y	Y	Y	
88200	Y	N	Y	N	Y	Y	
96000	Y	N	Y	N	Y	Y	

If `Audio.Codec` is `mp3` , `Container.Format` supports sample rates as follows:

Container Format/Audio Sample Rate	8000	11025	12000	16000	22050	24000	32000	44100	4
flv	N	N	N	N	Y	N	N	Y	N
mp4	N	N	N	Y	Y	Y	Y	Y	Y
hls/ts/mp3/mkv/avi/mov	Y	Y	Y	Y	Y	Y	Y	Y	Y

`TransConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	R
AdjDarMethod	Request.TransConfig	Resolution adjustment method	String	N

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IsCheckReso	Request.TransConfig	Whether to check the resolution	String	N
ResoAdjMethod	Request.TransConfig	Resolution adjustment method	String	N
IsCheckVideoBitrate	Request.TransConfig	Whether to check the video bitrate	String	N
VideoBitrateAdjMethod	Request.TransConfig	Video bitrate adjustment method	String	N

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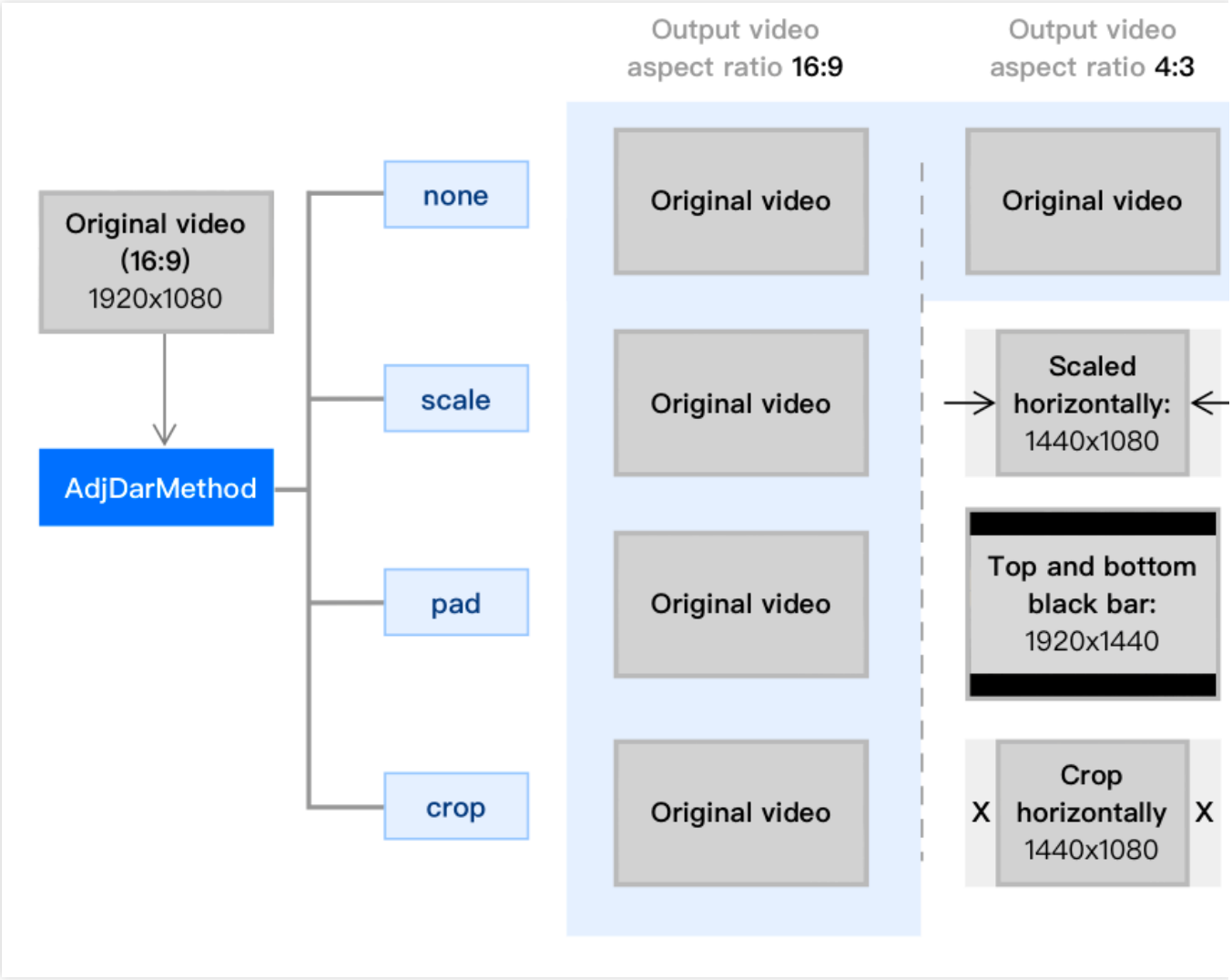
IsCheckAudioBitrate	Request.TransConfig	Whether to check the audio bitrate	String	N
AudioBitrateAdjMethod	Request.TransConfig	Audio bitrate adjustment method	String	N
IsCheckVideoFps	Request.TransConfig	Whether to check the video frame rate	String	N
VideoFpsAdjMethod	Request.TransConfig	Video frame rate adjustment method	String	N

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DeleteMetadata	Request.TransConfig	Whether to delete metadata from the file	String	N
IsHdr2Sdr	Request.TransConfig	Whether to enable HDR-to-SDR conversion	String	N
TranscodeIndex	Request.TransConfig	The stream number to be processed, which corresponds to Response.MediaInfo.Stream.Video.Index and Response.MediaInfo.Stream.Audio.Index in the media information. For more information, see Getting Media File Information.	String	N
HlsEncrypt	Request.TransConfig	HLS encryption configuration	Container	N
DashEncrypt	Request.TransConfig	DASH encryption configuration	Container	N

The `AdjDarMethod` parameter is illustrated as follows:

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`HlsEncrypt` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constrai
IsHlsEncrypt	Request.TransConfig.HlsEncrypt	Whether to enable HLS encryption	String	No	false	Valid val `false` Encryptic only whe `Conta` is `hls`
UriKey	Request.TransConfig.HlsEncrypt	HLS encryption key	String	No	None	This para effect onl `IsHlsE` true.

`DashEncrypt` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constrain
IsEncrypt	Request.TransConfig.DashEncrypt	Whether to enable DASH encryption	String	No	false	Valid valu `false` Encryptio only wher `Contai` is `dash`
UriKey	Request.TransConfig.DashEncrypt	DASH encryption key	String	No	None	This para effect onl `IsEncr` `true` .

Response

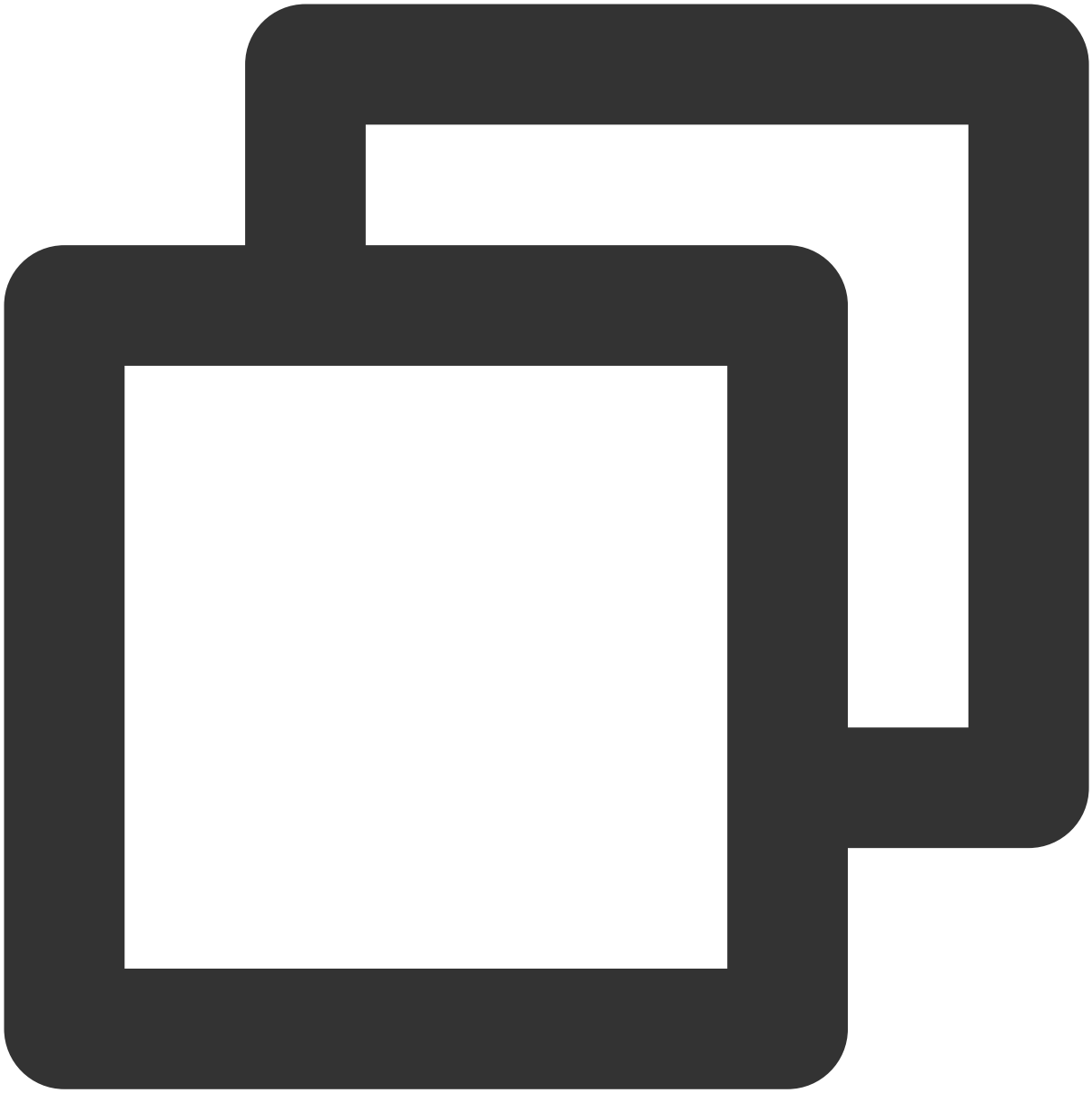
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>Transcode</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <Container>
            <Format>mp4</Format>
        </Container>
        <Video>
```

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```
            <Codec>H.264</Codec>
            <Profile>high</Profile>
            <Bitrate>1000</Bitrate>
            <Width>1280</Width>
            <Fps>30</Fps>
            <Preset>medium</Preset>
        </Video>
        <Audio>
            <Codec>aac</Codec>
            <Samplerate>44100</Samplerate>
            <Bitrate>128</Bitrate>
            <Channels>4</Channels>
        </Audio>
        <TransConfig>
            <AdjDarMethod>scale</AdjDarMethod>
            <IsCheckReso>false</IsCheckReso>
            <ResoAdjMethod>1</ResoAdjMethod>
        </TransConfig>
        <TimeInterval>
            <Start>0</Start>
            <Duration>60</Duration>
        </TimeInterval>
        <AudioMixArray>
            <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix1.mp3</A
            <MixMode>Once</MixMode>
            <Replace>true</Replace>
            <EffectConfig>
                <EnableStartFadein>true</EnableStartFadein>
                <StartFadeinTime>3</StartFadeinTime>
                <EnableEndFadeout>false</EnableEndFadeout>
                <EndFadeoutTime>0</EndFadeoutTime>
                <EnableBgmFade>true</EnableBgmFade>
                <BgmFadeTime>1.7</BgmFadeTime>
            </EffectConfig>
        </AudioMixArray>
        <AudioMixArray>
            <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix2.mp3</A
            <MixMode>Once</MixMode>
            <Replace>true</Replace>
            <EffectConfig>
                <EnableStartFadein>true</EnableStartFadein>
                <StartFadeinTime>3</StartFadeinTime>
                <EnableEndFadeout>false</EnableEndFadeout>
                <EndFadeoutTime>0</EndFadeoutTime>
                <EnableBgmFade>true</EnableBgmFade>
                <BgmFadeTime>1.7</BgmFadeTime>
            </EffectConfig>
```

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```
        </AudioMixArray>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: `Custom` or `Official`	String
Tag	Response.Template	Task type: Transcode	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
TransTpl	Response.Template	Template parameters	Container

`TransTpl` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TimeInterval	Response.Template.TransTpl	Same as `Request.TimeInterval` in the request body.	Container
Container	Response.Template.TransTpl	Same as `Request.Container` in the request body.	Container
Video	Response.Template.TransTpl	Same as `Request.Video` in the request body.	Container

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Audio	Response.Template.TransTpl	Same as `Request.Audio` in the request body.	Container
TransConfig	Response.Template.TransTpl	Same as `Request.TransConfig` in the request body.	Container
AudioMix	Response.Template.TransTpl	Same as `Request.AudioMix` in the request body.	Container
AudioMixArray	Response.Template.TransTpl	Same as `Request.AudioMixArray` in the request body.	Container array

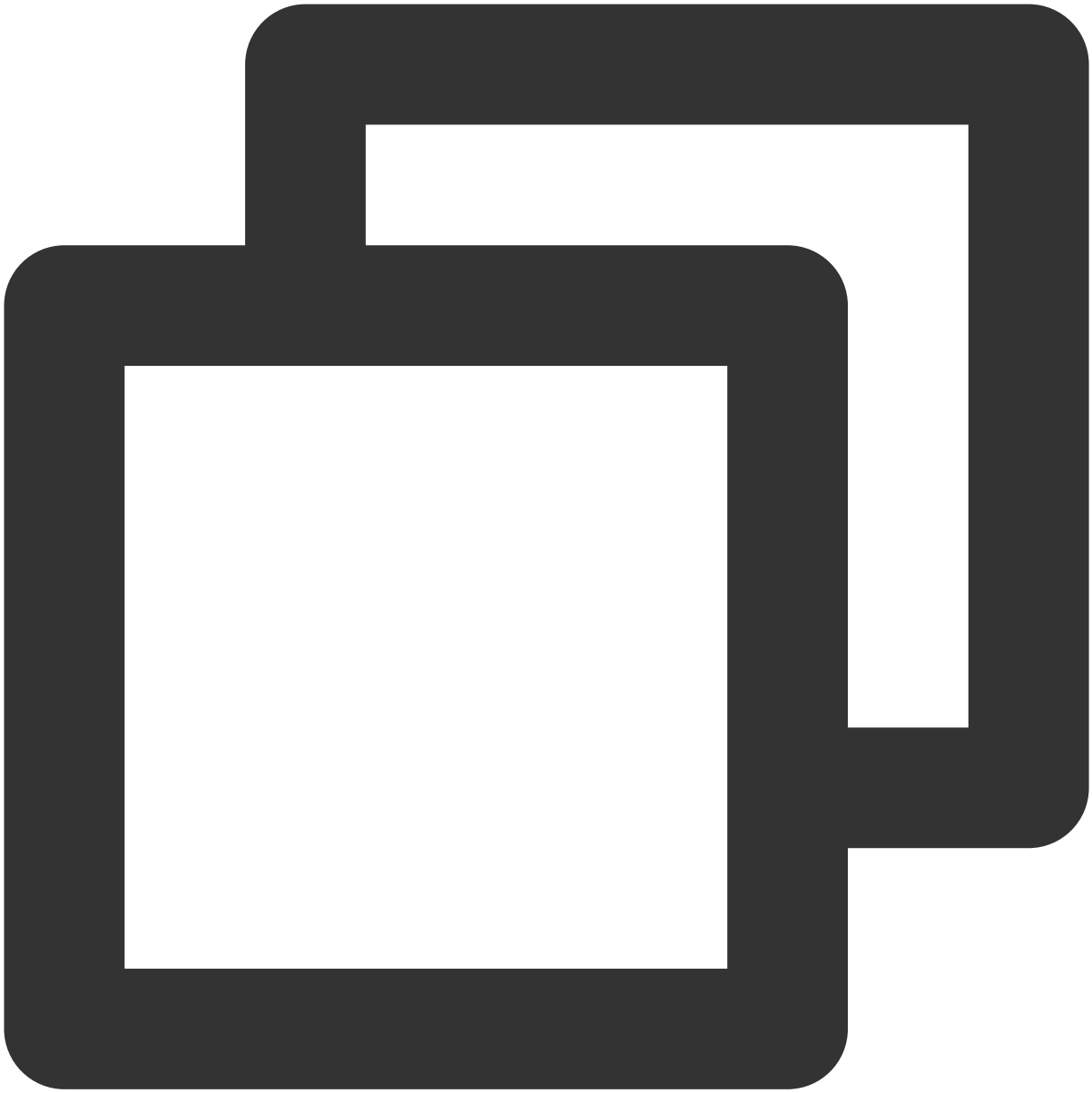
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

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```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>Transcode</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mp4</Format>
```

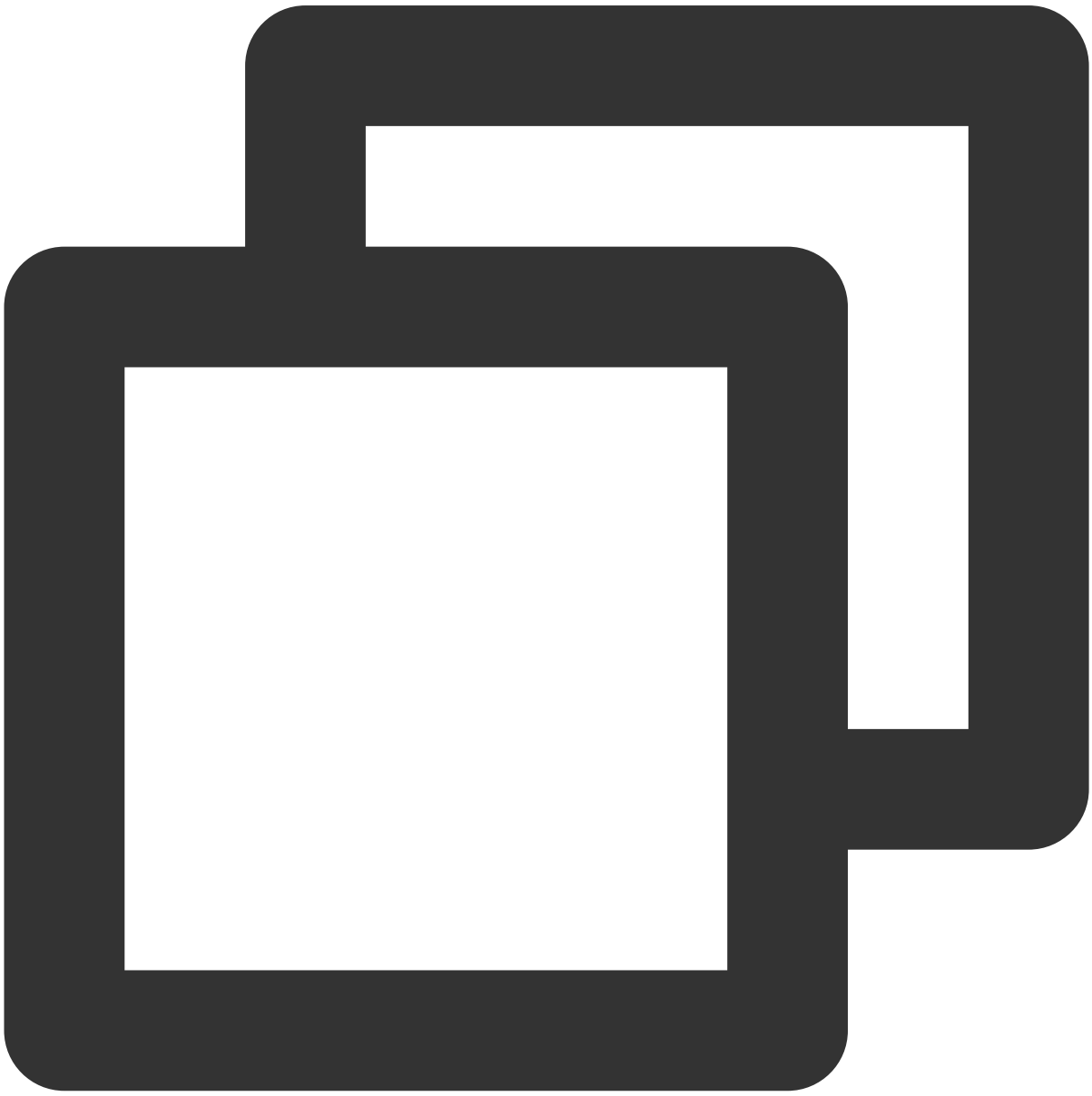
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```
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Profile>high</Profile>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
        <Preset>medium</Preset>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </Audio>
    <TransConfig>
        <AdjDarMethod>scale</AdjDarMethod>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
    <AudioMixArray>
        <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix1.mp3</Audio
        <MixMode>Once</MixMode>
        <Replace>true</Replace>
        <EffectConfig>
            <EnableStartFadein>true</EnableStartFadein>
            <StartFadeinTime>3</StartFadeinTime>
            <EnableEndFadeout>false</EnableEndFadeout>
            <EndFadeoutTime>0</EndFadeoutTime>
            <EnableBgmFade>true</EnableBgmFade>
            <BgmFadeTime>1.7</BgmFadeTime>
        </EffectConfig>
    </AudioMixArray>
    <AudioMixArray>
        <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix2.mp3</Audio
        <MixMode>Once</MixMode>
        <Replace>true</Replace>
        <EffectConfig>
            <EnableStartFadein>true</EnableStartFadein>
            <StartFadeinTime>3</StartFadeinTime>
            <EnableEndFadeout>false</EnableEndFadeout>
            <EndFadeoutTime>0</EndFadeoutTime>
            <EnableBgmFade>true</EnableBgmFade>
```

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```
            <BgmFadeTime>1.7</BgmFadeTime>
        </EffectConfig>
    </AudioMixArray>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
```

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```
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>Transcode</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <Container>
            <Format>mp4</Format>
        </Container>
        <Video>
            <Codec>H.264</Codec>
            <Profile>high</Profile>
            <Bitrate>1000</Bitrate>
            <Width>1280</Width>
            <Fps>30</Fps>
            <Preset>medium</Preset>
        </Video>
        <Audio>
            <Codec>aac</Codec>
            <Samplerate>44100</Samplerate>
            <Bitrate>128</Bitrate>
            <Channels>4</Channels>
        </Audio>
        <TransConfig>
            <AdjDarMethod>scale</AdjDarMethod>
            <IsCheckReso>false</IsCheckReso>
            <ResoAdjMethod>1</ResoAdjMethod>
        </TransConfig>
        <TimeInterval>
            <Start>0</Start>
            <Duration>60</Duration>
        </TimeInterval>
        <AudioMixArray>
            <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix1.mp3</A
            <MixMode>Once</MixMode>
            <Replace>true</Replace>
            <EffectConfig>
                <EnableStartFadein>true</EnableStartFadein>
                <StartFadeinTime>3</StartFadeinTime>
                <EnableEndFadeout>false</EnableEndFadeout>
                <EndFadeoutTime>0</EndFadeoutTime>
                <EnableBgmFade>true</EnableBgmFade>
```

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```
                <BgmFadeTime>1.7</BgmFadeTime>
            </EffectConfig>
        </AudioMixArray>
        <AudioMixArray>
            <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix2.mp3</A
            <MixMode>Once</MixMode>
            <Replace>true</Replace>
            <EffectConfig>
                <EnableStartFadein>true</EnableStartFadein>
                <StartFadeinTime>3</StartFadeinTime>
                <EnableEndFadeout>false</EnableEndFadeout>
                <EndFadeoutTime>0</EndFadeoutTime>
                <EnableBgmFade>true</EnableBgmFade>
                <BgmFadeTime>1.7</BgmFadeTime>
            </EffectConfig>
        </AudioMixArray>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Professional Transcoding Template

Last updated：2024-02-27 15:52:06

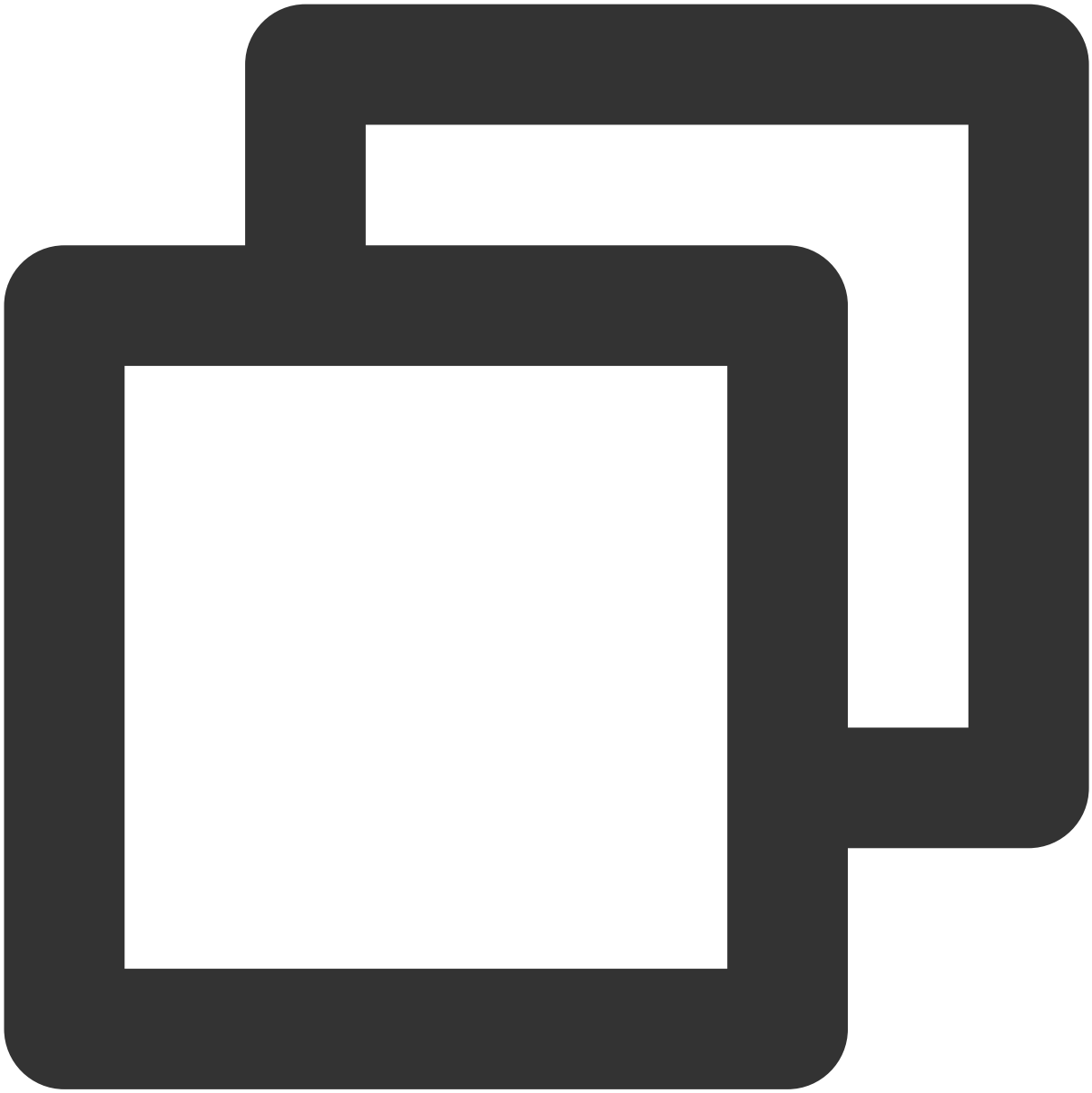
Feature Description

This API is used to create a professional transcoding template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

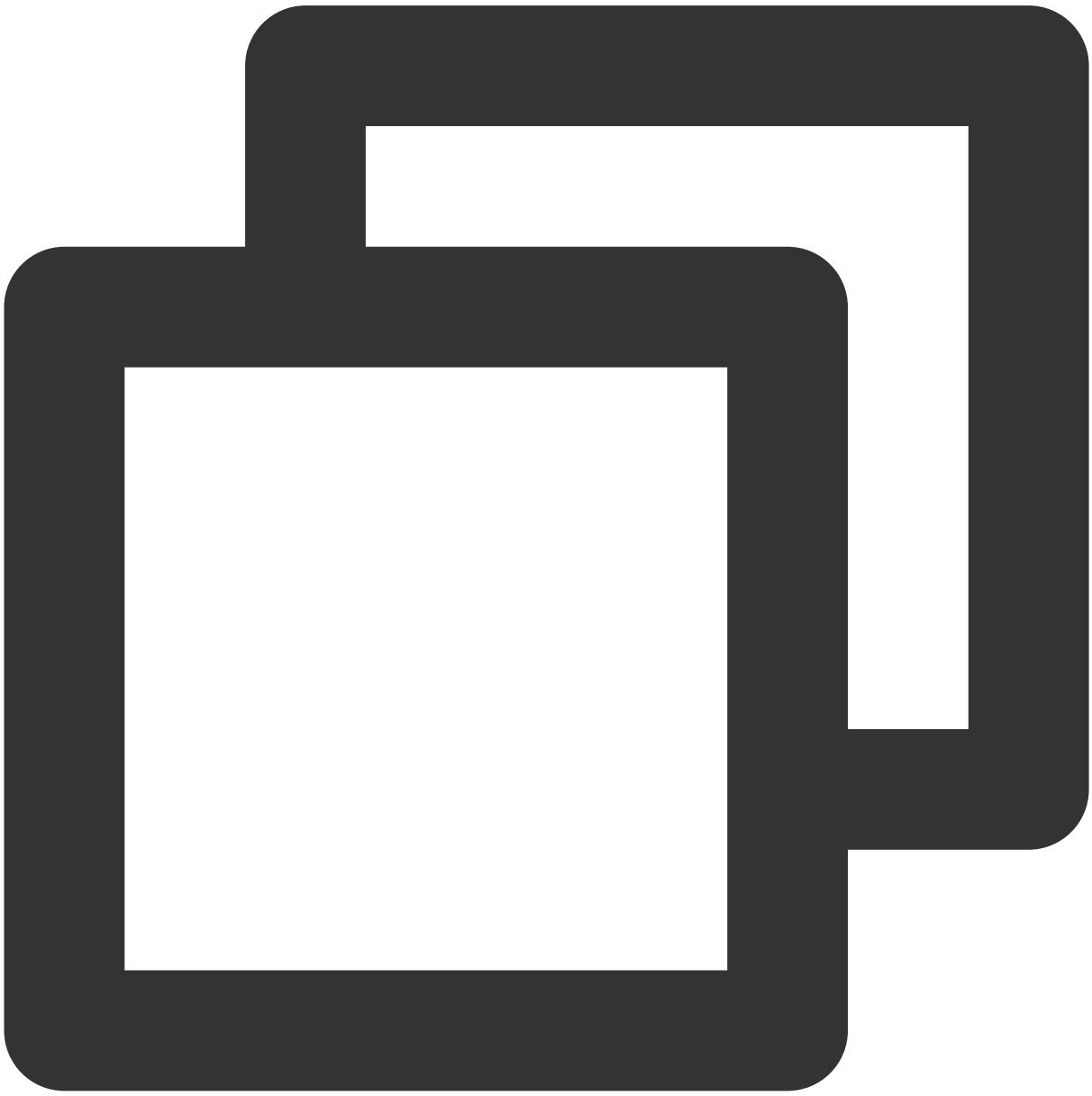
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>TranscodePro</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mxf</Format>
    </Container>
    <Video>
        <Codec>xavc</Codec>
        <Profile>XAVC-HD_422_10bit</Profile>
        <Width>1920</Width>
        <Height>1080</Height>
        <Interlaced>true</Interlaced>
        <Fps>30000/1001</Fps>
        <Bitrate>50000</Bitrate>
    </Video>
    <Audio>
        <Codec>pcm_s24le</Codec>
    </Audio>
    <TransConfig>
        <AdjDarMethod>scale</AdjDarMethod>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Template tag: TranscodePro	String	Yes	None
Name	Request	Template name, which can contain letters, digits,	String	Yes	None

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		underscores (_), hyphens (-), and asterisks (*).			
Container	Request	Container format	Container	Yes	None
Video	Request	Video information	Container	Yes	None
TimeInterval	Request	Time interval	Container	No	None
Audio	Request	Audio information	Container	No	If `Audio` is not passed in, the audio information will be deleted.
TransConfig	Request	Transcoding configuration	Container	No	None

`Container` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Format	Request.Container	Container format. Valid values: `mxf`, `mov`, `mkv`.	String	Yes

Audio/Video formats supported by different container formats are as follows:

Container	Audio Codecs	Video Codecs
mxf	pcm_s24le	xavc
mov, mkv	aac, mp3	apple_prores

`Video` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Codec	Request.Video	Codec format	String	Yes	None	xavc, apple_prores
Profile	Request.Video	Video algorithm profile	String	Yes	None	See the following table for valid values.
Width	Request.Video	Width	String	Yes	None	See the following table for valid values.

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Height	Request.Video	Height	String	Yes	None	See the following table for valid values.
Interlaced	Request.Video	Field mode	String	Yes	None	See the following table for valid values.
Fps	Request.Video	Frame rate	String	Yes	None	See the following table for valid values.
Bitrate	Request.Video	Bitrate of the video output file	String	No	None	See the following table for valid values.
Rotate	Request.Video	Rotation angle	String	No	None	1. Value range: [0, 360) 2. Unit: Degree

Video Parameter Constraint Table:

Note: '-' indicates empty. The valid values of bitrate correspond to the valid values of frame rate numerically.

If `Video.Codec` is `xavc`:

Profile	Width	Height	Interlaced	Fps	Bitrate (Kbps)
XAVC-HD_intra_420_10bit_class50	1440	1080	true	1. 25 2. 30000/1001	-
XAVC-HD_intra_420_10bit_class50	1440	1080	false	1. 25 2. 24000/1001 3. 30000/1001	-
XAVC-HD_intra_422_10bit_class100	1280	720	false	1. 50 2. 60000/1001	-
XAVC-HD_intra_422_10bit_class100	1920	1080	true	1. 25 2. 30000/1001	-
XAVC-HD_intra_422_10bit_class100	1920	1080	false	1. 1.25 2. 2. 50 3. 3. 24000/1001 4. 4. 30000/1001 5. 5. 60000/1001	-
XAVC-HD_intra_422_10bit_class200	1920	1080	true	1. 25 2. 30000/1001	-

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XAVC-HD_intra_422_10bit_class200	1920	1080	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	-
XAVC-4K_intra_422_10bit_class100	2048	1080	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	-
XAVC-4K_intra_422_10bit_class300	3840	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	-
XAVC-4K_intra_422_10bit_class300	4096	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	-
XAVC-4K_intra_422_10bit_class480	3840	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	-
XAVC-4K_intra_422_10bit_class480	4096	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	-
XAVC-4K_intra_422_10bit	2048	1080	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	1. 93000 2. 185000 3. 89000 4. 111000 5. 222000
XAVC-4K_intra_422_10bit	3840	2160	false	1. 25 2. 50 3. 24000/1001	1. 250000 or 400000 2. 500000 or 800000

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				4. 30000/1001 5. 60000/1001	3. 240000 or 384000 4. 300000 or 480000 5. 600000 or 960000
XAVC-4K_intra_422_10bit	4096	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	1. 250000 or 400000 2. 500000 or 800000 3. 240000 or 384000 4. 300000 or 480000 5. 600000 or 960000
XAVC-HD_422_10bit	1280	720	false	1. 50 2. 60000/1001	1. 50000 2. 50000
XAVC-HD_422_10bit	1920	1080	true	1. 25 2. 30000/1001	1. 25000, 35000, or 50000 2. 25000, 35000, or 50000
XAVC-HD_422_10bit	1920	1080	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	1. 25000, 35000, or 50000 2. 35000 or 50000 3. 25000, 35000, or 50000 4. 25000, 35000, or 50000 5. 35000 or 50000
XAVC-4K_422_10bit	3840	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	1. 100000, 140000, or 200000 2. 140000 or 200000 3. 100000, 140000, or 200000 4. 100000, 140000, or 200000 5. 140000 or 200000

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XAVC-4K_420_8bit	3840	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	1. 188000 2. 300000 3. 188000 4. 188000 5. 300000

If `Video.Codec` is `apple_prores`:

Profile
1.ProRes_422_Proxy 2.ProRes_422_LT 3.ProRes_422 4.ProRes_422_HQ 5.ProRes_4444 6.ProRes_4444_XQ 7.ProRes_4444_alpha 8.ProRes_4444_XQ_alpha

Width	Height	Interlaced	Fps	Bitrate (Kbps)
720	486	false	1. 24000/1001 2. 30000/1001	Value range: [2000,3000000]
720	486	true	1. 60000/1001	Value range: [2000,3000000]
720	576	false	1. 25	Value range: [2000,3000000]
720	576	true	1. 50	Value range: [2000,3000000]
960	720	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]
1280	720	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]
1280	1080	false	1. 24000/1001 2. 30000/1001	Value range: [2000,3000000]

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1280	1080	true	1. 60000/1001	Value range: [2000,3000000]
1440	1080	false	1. 24000/1001 2. 25 3. 30000/1001	Value range: [2000,3000000]
1440	1080	true	1. 50 2. 60000/1001	Value range: [2000,3000000]
1920	1080	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]
1920	1080	true	1. 50 2. 60000/1001	Value range: [2000,3000000]
2048	1080	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]
2048	1556	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]
3840	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]
4096	2160	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]
5120	2700	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]

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6144	3240	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]
8192	4320	false	1. 25 2. 50 3. 24000/1001 4. 30000/1001 5. 60000/1001	Value range: [2000,3000000]

`TimeInterval` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Start	Request.TimeInterval	Start time	String	No	0	Value range: [0, video duration] Unit: Second The float format is supported, accurate to the millisecond.
Duration	Request.TimeInterval	Duration	String	No	Original video duration	Value range: [0, video duration] Unit: Second The float format is supported, accurate to the millisecond.

`Audio` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Codec	Request.Audio	Codec format	String	Yes	None	pcm_s24le, aac, mp3
Remove	Request.Audio	Whether to delete the	String	No	false	Valid values: `true`,

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		source audio stream				`false` .

`TransConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constrain
AdjDarMethod	Request.TransConfig	Resolution adjustment method	String	No	none	Valid valu crop, pad, If the aspe the output different fr the origina the resolu adjusted a to this par
IsCheckReso	Request.TransConfig	Whether to check the resolution	String	No	false	Valid valu false. If the valu transcodir performec settings.
ResoAdjMethod	Request.TransConfig	Resolution adjustment method	String	No	0	Valid valu indicates original vi resolution indicates the transc failure me This para take effec when IsCh is true.
IsCheckVideoBitrate	Request.TransConfig	Whether to check the video bitrate	String	No	false	Valid valu false. If the valu transcodir performec settings.
VideoBitrateAdjMethod	Request.TransConfig	Video	String	No	0	Valid valu

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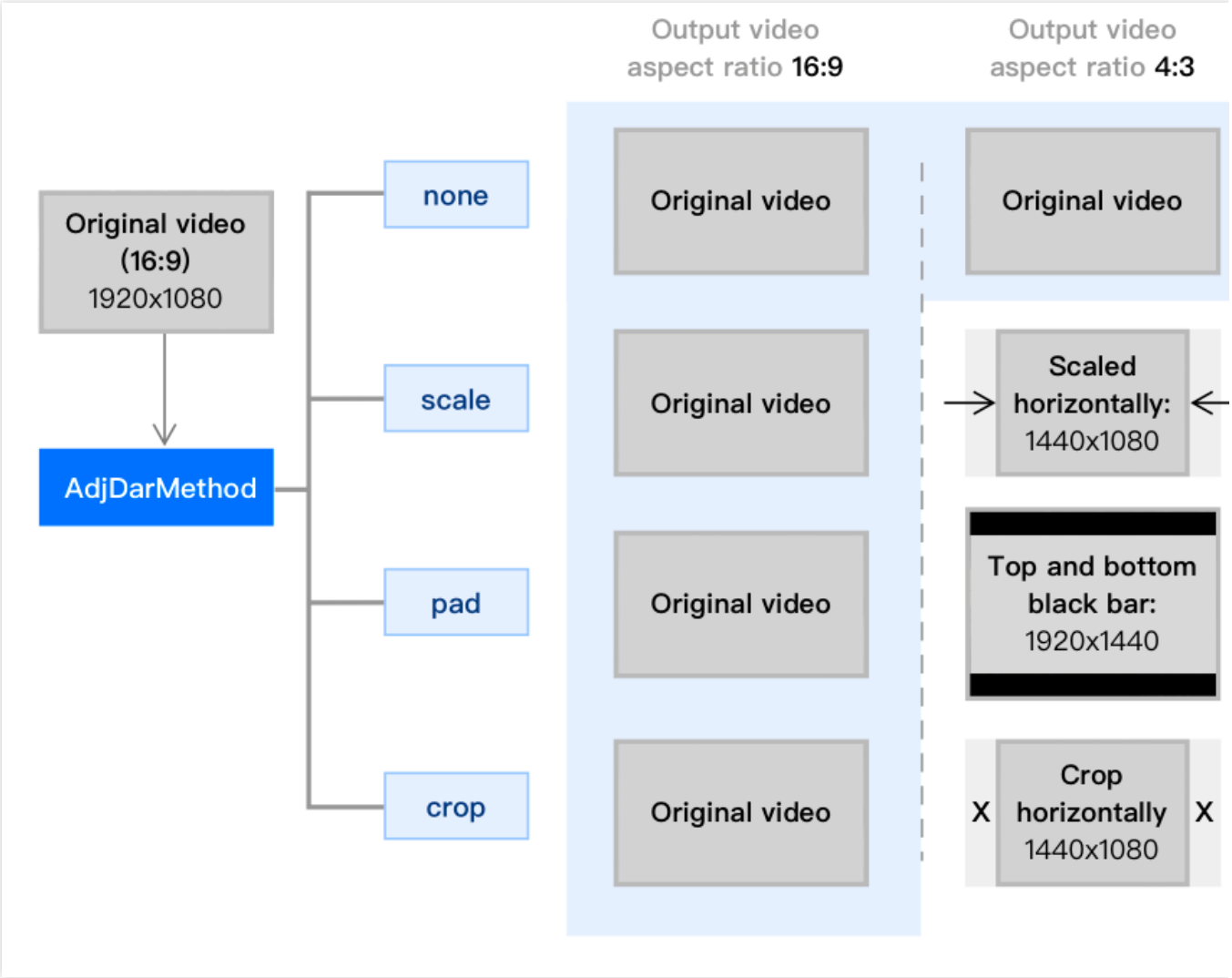
		bitrate adjustment method				When the video has bitrate tha video, 0 ir use the or video bitra indicates t the transc failure me This para take effec when IsCheckV is true.
IsCheckAudioBitrate	Request.TransConfig	Whether to check the audio bitrate	String	No	false	Valid valu false. If the valu transcodir performec settings.
AudioBitrateAdjMethod	Request.TransConfig	Audio bitrate adjustment method	String	No	0	Valid valu When the audio has bitrate tha audio, 0 ir use the or audio bitra indicates t the transc failure me This para take effec when IsCheckA is true.
IsCheckVideoFps	Request.TransConfig	Whether to check the video frame rate	String	No	false	Valid valu false. If the valu transcodir performec settings.
VideoFpsAdjMethod	Request.TransConfig	Video	String	No	0	Valid valu

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		frame rate adjustment method				When the video has frame rate input vide indicates original vi rate, and to return t transcodi message. This para take effec when IsCheckV true.
DeleteMetadata	Request.TransConfig	Whether to delete metadata from the file	String	No	false	Valid valu false. If the valu the source informatio retained.
IsHdr2Sdr	Request.TransConfig	Whether to enable HDR-to-SDR conversion	String	No	false	true/false

The `AdjDarMethod` parameter is illustrated as follows:

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Response

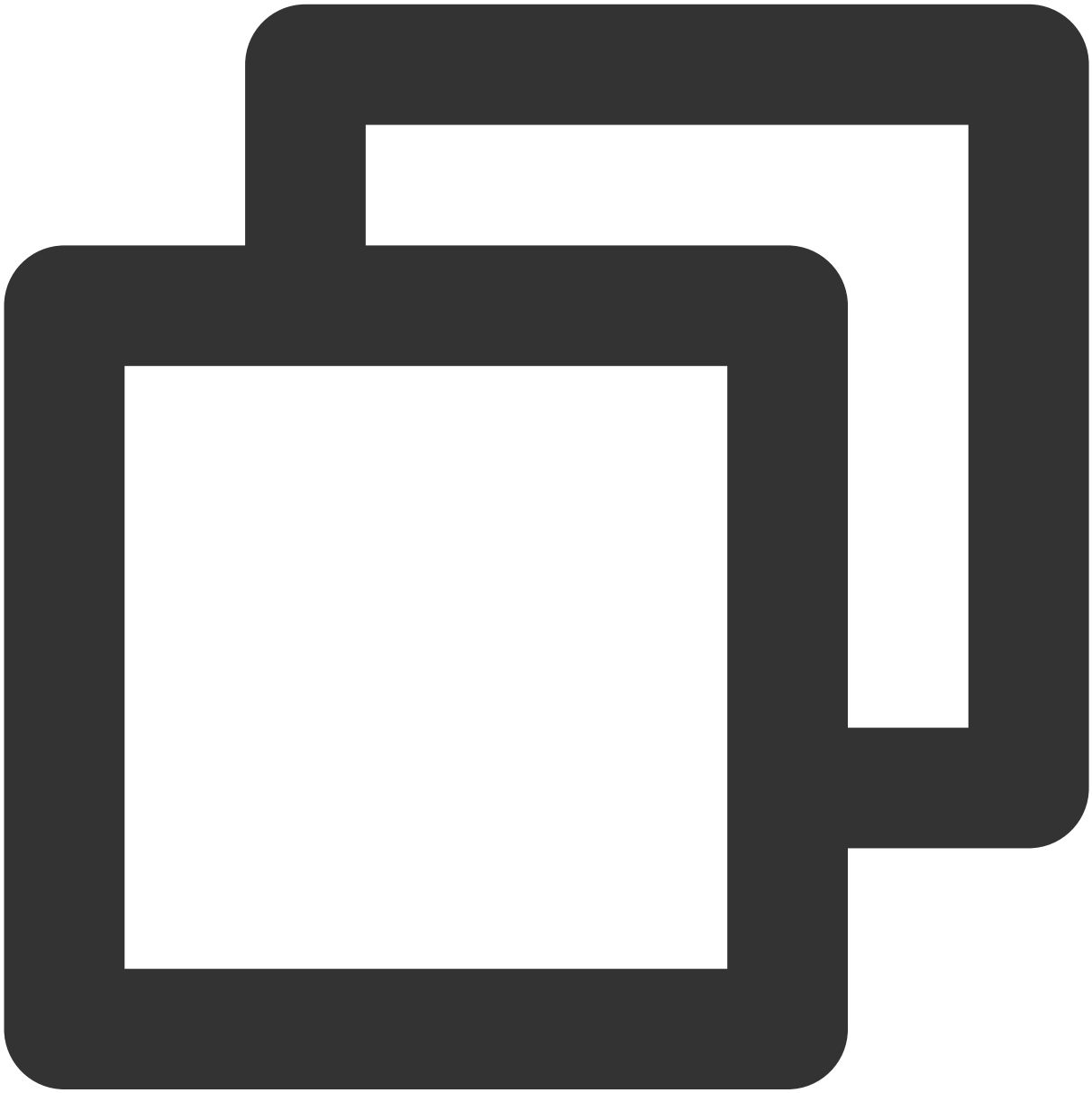
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>TranscodePro</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <TransProTpl>
            <Container>
                <Format>mxf</Format>
            </Container>
```

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```
            <Video>
                <Codec>xavc</Codec>
                <Profile>XAVC-HD_422_10bit</Profile>
                <Width>1920</Width>
                <Height>1080</Height>
                <Interlaced>true</Interlaced>
                <Fps>30000/1001</Fps>
                <Bitrate>50000</Bitrate>
            </Video>
            <Audio>
                <Codec>pcm_s24le</Codec>
            </Audio>
            <TransConfig>
                <AdjDarMethod>scale</AdjDarMethod>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </TransProTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
Tag	Response.Template	Template tag: TranscodePro	String
UpdateTime	Response.Template	Update time	String

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CreateTime	Response.Template	Creation time	String
TransProTpl	Response.Template	Template parameters	Container

`TransProTpl` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TimeInterval	Response.Template.TransProTpl	Same as `Request.TimeInterval` in the request body.	Container
Container	Response.Template.TransProTpl	Same as `Request.Container` in the request body.	Container
Video	Response.Template.TransProTpl	Same as `Request.Video` in the request body.	Container
Audio	Response.Template.TransProTpl	Same as `Request.Audio` in the request body.	Container
TransConfig	Response.Template.TransProTpl	Same as `Request.TransConfig` in the request body.	Container

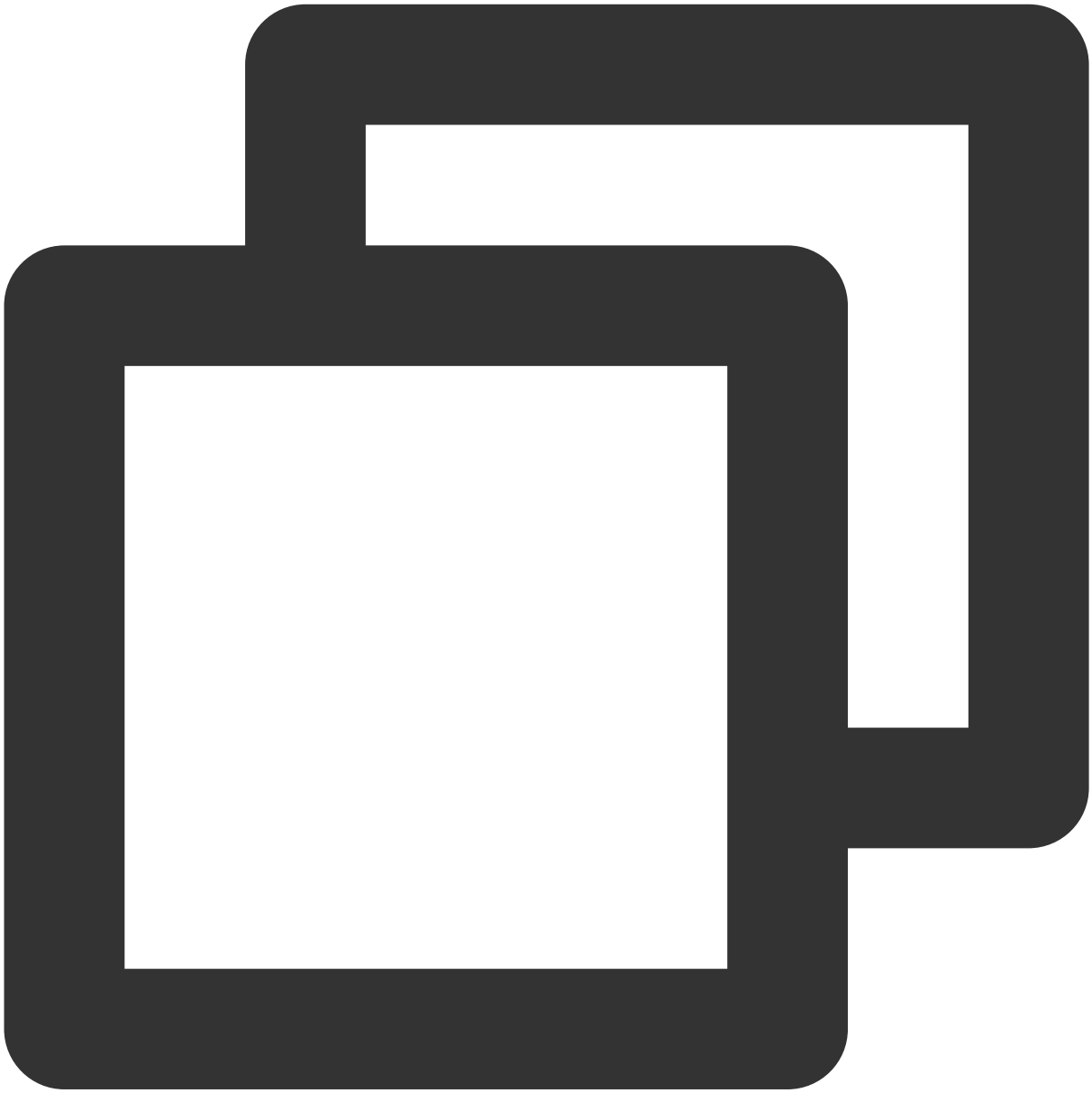
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

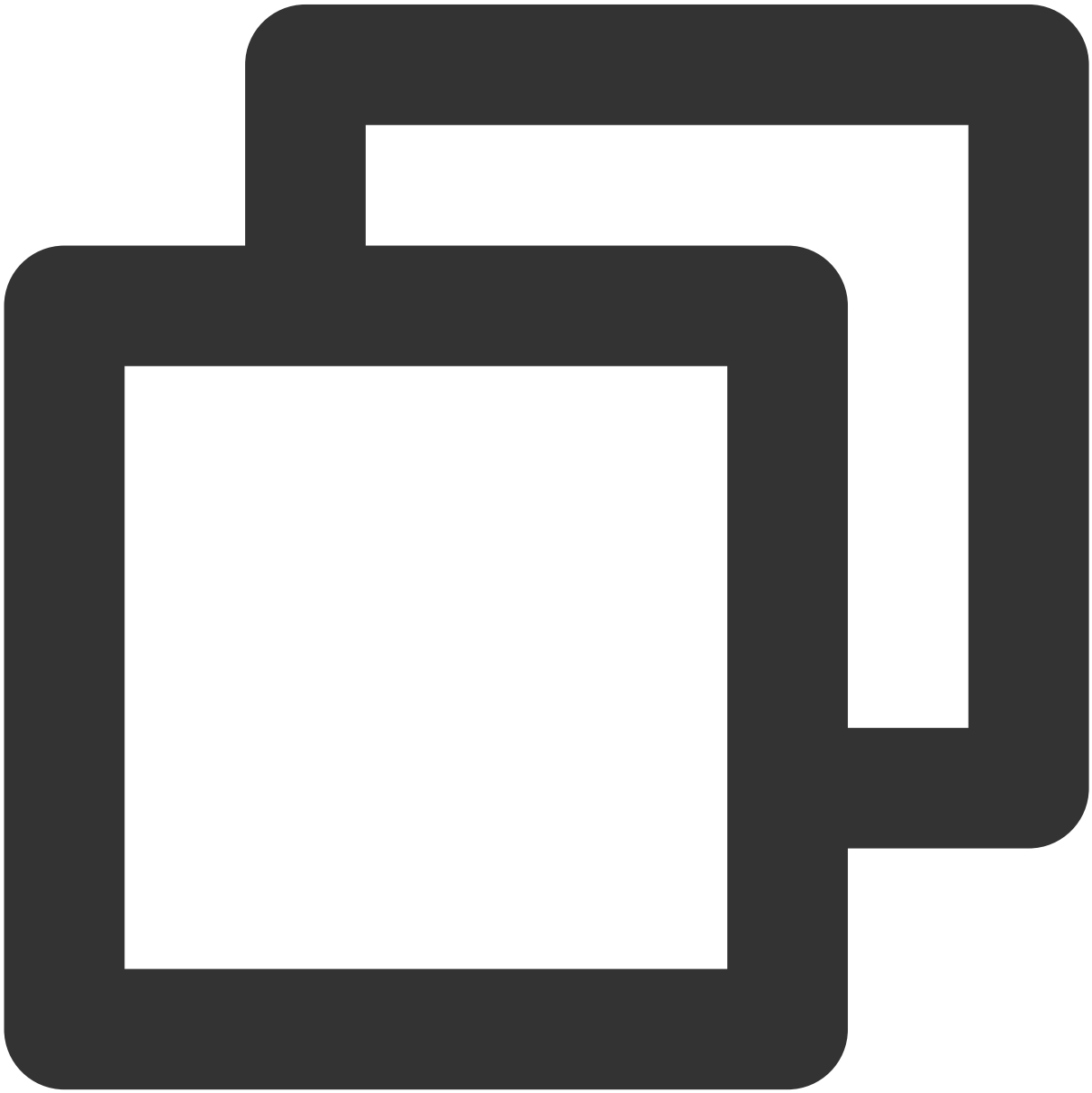
<Request>
    <Tag>TranscodePro</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mxf</Format>
```

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```
    </Container>
    <Video>
        <Codec>xavc</Codec>
        <Profile>XAVC-HD_422_10bit</Profile>
        <Width>1920</Width>
        <Height>1080</Height>
        <Interlaced>true</Interlaced>
        <Fps>30000/1001</Fps>
        <Bitrate>50000</Bitrate>
    </Video>
    <Audio>
        <Codec>pcm_s24le</Codec>
    </Audio>
    <TransConfig>
        <AdjDarMethod>scale</AdjDarMethod>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>TranscodePro</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <TransProTpl>
            <Container>
                <Format>mxf</Format>
            </Container>
            <Video>
                <Codec>xavc</Codec>
                <Profile>XAVC-HD_422_10bit</Profile>
                <Width>1920</Width>
                <Height>1080</Height>
                <Interlaced>true</Interlaced>
                <Fps>30000/1001</Fps>
                <Bitrate>50000</Bitrate>
            </Video>
            <Audio>
                <Codec>pcm_s24le</Codec>
            </Audio>
            <TransConfig>
                <AdjDarMethod>scale</AdjDarMethod>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </TransProTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Text-to-Speech Template

Last updated：2024-02-27 15:52:06

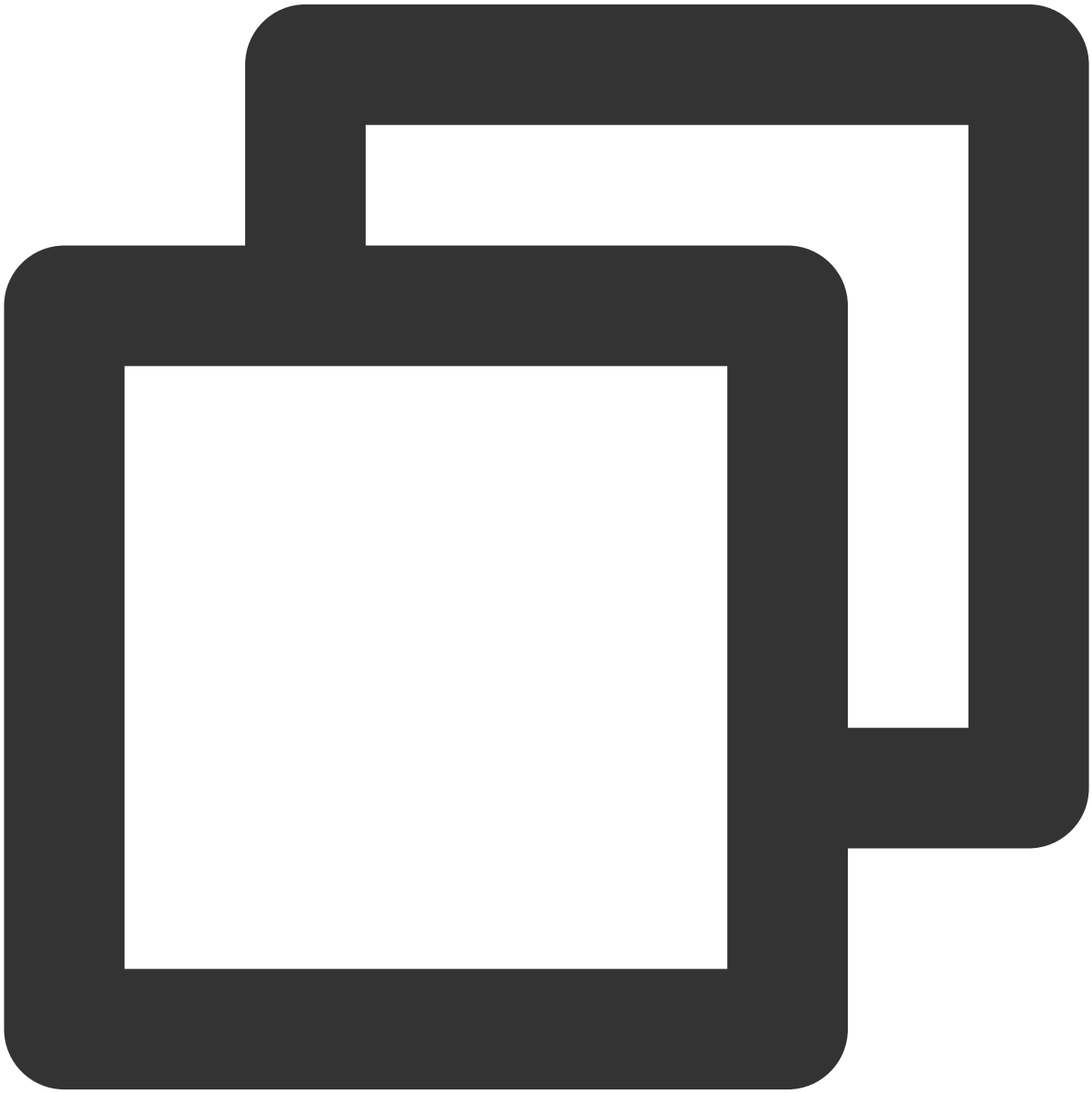
Feature Description

This API is used to create a text-to-speech template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

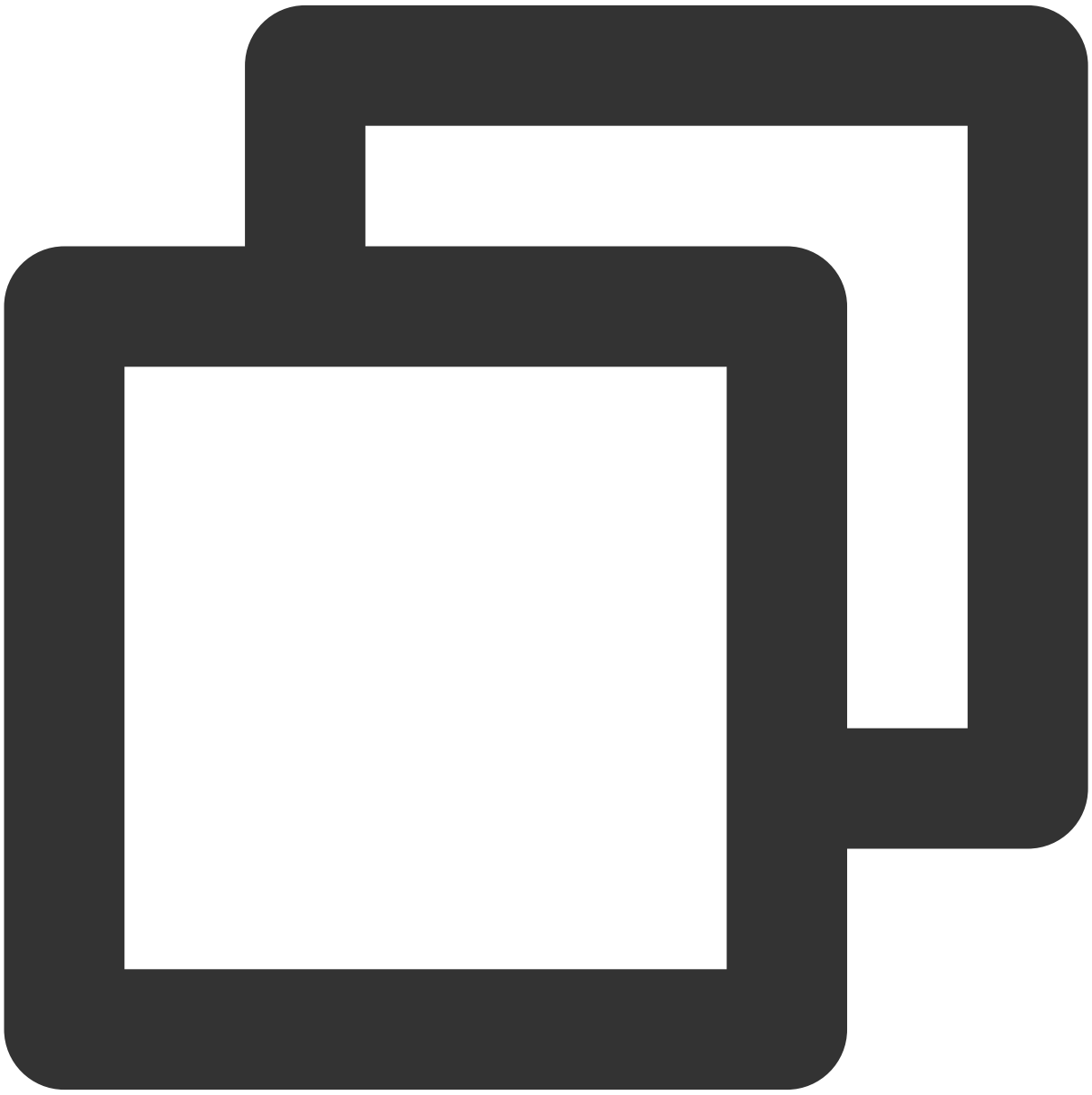
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Tts</Tag>
    <Name>TemplateName</Name>
    <Mode>Sync</Mode>
    <Codec>pcm</Codec>
    <VoiceType>ruxue</VoiceType>
    <Volume>2</Volume>
    <Speed>200</Speed>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Template tag: Tts	String	Yes	Tts
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes	None
Mode	Request	Processing mode, which is `Asyc` by default.	String	No	`Asyc` (async synthesis); `Sync` (sync synthesis). When `Asyc` is selected, the codec can only be `pcm` .
Codec	Request	Audio format, which is `wav` (sync) or `pcm` (async) by default.	String	No	`wav` , `mp3` , `pcm`
VoiceType	Request	Voice, which is `ruxue` by default.	String	No	See the table below
Volume	Request	Volume, which is `0` by default.	String	No	[-10,10]

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Speed	Request	Speech rate, which is `100` by default.	String	No	[50,200]

Supported voices

Name	Voice Parameter Value	Async Synthesis	Sync Synthesis
Ruxue	ruxue	Supported	Supported
Aixiaonan	aixiaonan	Not supported	Supported
Aixiaoxing	aixiaoxing	Supported	Supported
Aixiaocheng	aixiaocheng	Supported	Supported
Aixiaoxue	aixiaoxue	Supported	Supported
Aixiaolu	aixiaolu	Supported	Supported
Aixiaodong	aixiaodong	Supported	Supported
Aixiaoliao	aixiaoliao	Not supported	Supported
Aixiaoqian	aixiaoqian	Supported	Supported
Aixiaoyang	aixiaoyang	Supported	Supported
Alice	alice	Supported	Supported

Voice description

Name	Voice Parameter Value	Type	Use Case	Supported Languages	Voice Quality
Ruxue	ruxue	Standard female voice	General	Chinese, Chinese-English mix	Standard
Aixiaonan	aixiaonan	Sweet female voice	General, social	Chinese, Chinese-English mix	Premium
Aixiaoxing	aixiaoxing	Vigorous male voice	General, commentary	Chinese, Chinese-English mix	Premium
Aixiaocheng	aixiaocheng	Standard male voice	General	Chinese, Chinese-English mix	Standard
Aixiaoxue	aixiaoxue	Standard	General, customer	Chinese, Chinese-	Standard

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		female voice	service	English mix	
Aixiaolu	aixiaolu	Reading female voice	General, audiobook	Chinese, Chinese-English mix	Standard
Aixiaodong	aixiaodong	News male voice	General, news broadcasting	Chinese, Chinese-English mix	Standard
Aixiaoliao	aixiaoliao	Sentimental female voice	General, social	Chinese, Chinese-English mix	Premium
Aixiaoqian	aixiaoqian	Vigorous female voice	General, social	Chinese, Chinese-English mix	Premium
Aixiaoyang	aixiaoyang	Broadcasting male voice	General, news broadcasting	Chinese, Chinese-English mix	Standard
Alice	alice	English female voice	General	English	Standard

Multi-sentiment voice description

Name	Voice Parameter Value	Sentiment Category
Aixiaoxing	aixiaoxing	Neutral, excited
Aixiaocheng	aixiaocheng	Neutral, broadcasting
Aixiaoxue	aixiaoxue	Neutral, broadcasting, customer service
Aixiaolu	aixiaolu	Neutral, story telling, customer service

Response

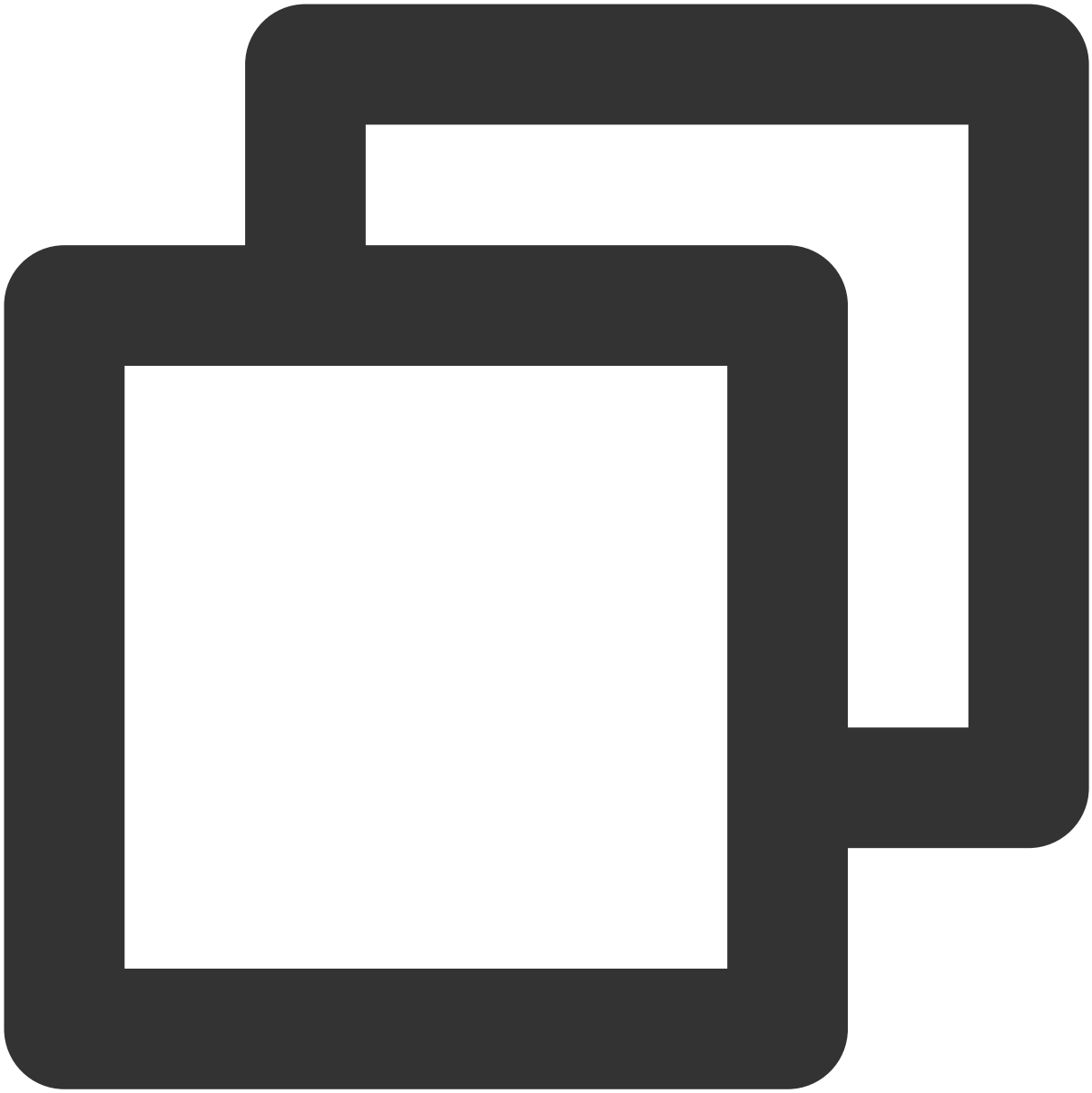
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>Tts</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <TtsTpl>
            <Mode>Sync</Mode>
            <Codec>pcm</Codec>
            <VoiceType>ruxue</VoiceType>
```

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```
            <Volume>2</Volume>
            <Speed>200</Speed>
        </TtsTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: `Custom` or `Official`	String
Tag	Response.Template	Template tag: Tts	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
TtsTpl	Response.Template	Template parameters	Container

`TtsTpl` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Mode	Response.Template.TtsTpl	Same as `Request.Mode` in the request body.
Codec	Response.Template.TtsTpl	Same as `Request.Codec` in the request body.
VoiceType	Response.Template.TtsTpl	Same as `Request.VoiceType` in the request body.

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Volume	Response.Template.TtsTpl	Same as `Request.Volume` in the request body.
Speed	Response.Template.TtsTpl	Same as `Request.Speed` in the request body.

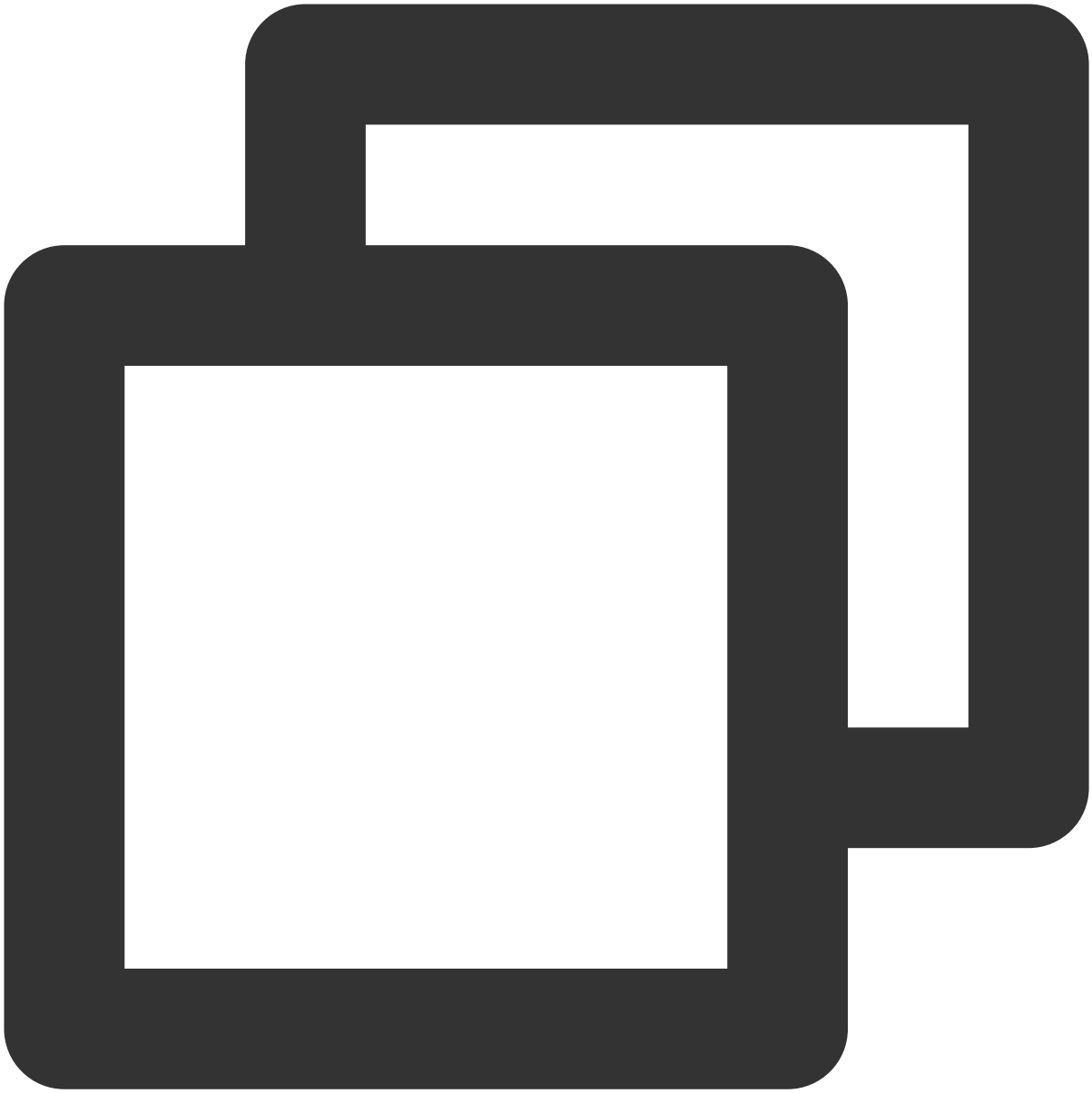
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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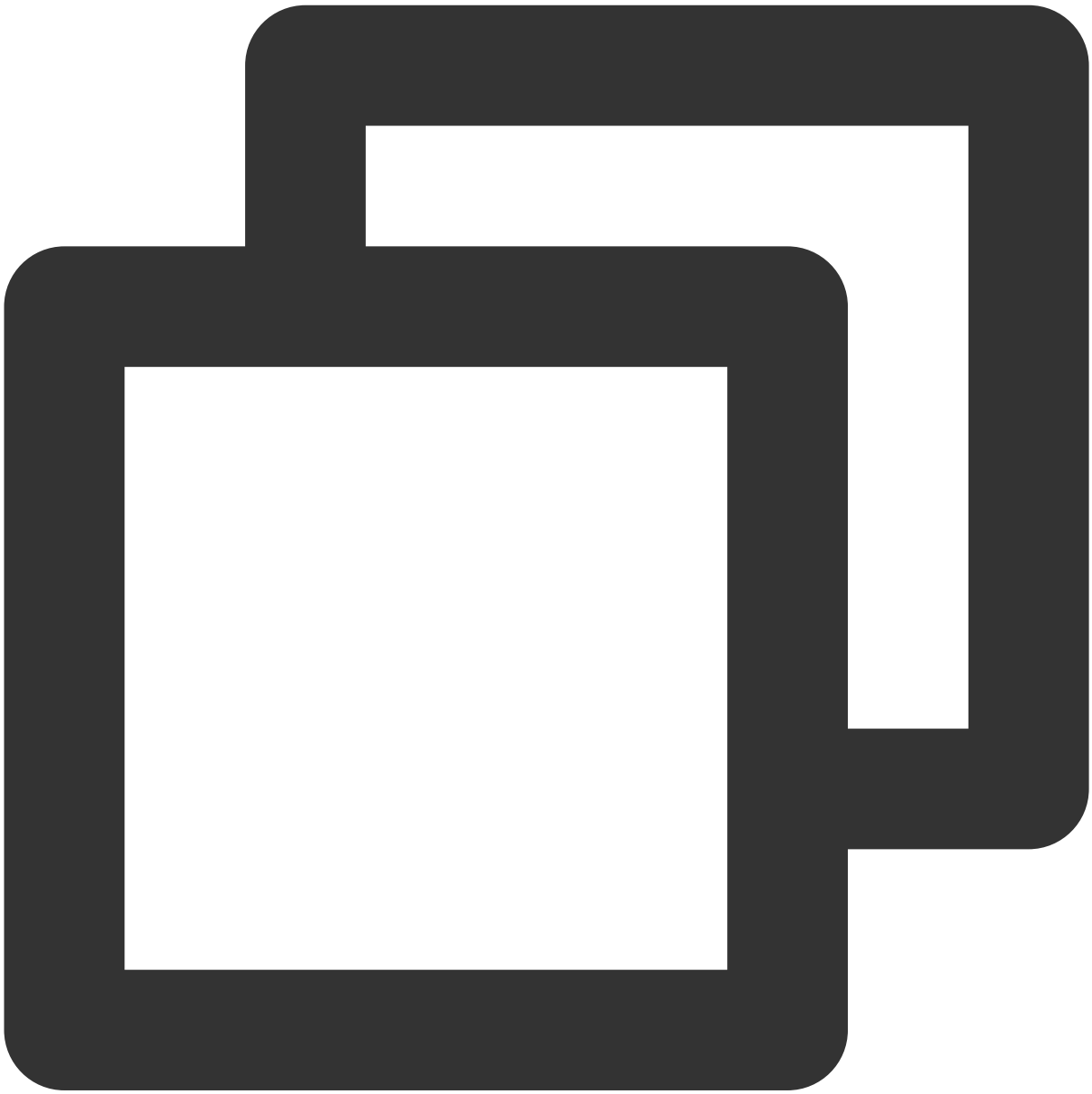
```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>Tts</Tag>
    <Name>TemplateName</Name>
    <Mode>Sync</Mode>
    <Codec>pcm</Codec>
```

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```
    <VoiceType>ruxue</VoiceType>
    <Volume>2</Volume>
    <Speed>200</Speed>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
```

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```
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>Tts</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <TtsTpl>
            <Mode>Sync</Mode>
            <Codec>pcm</Codec>
            <VoiceType>ruxue</VoiceType>
            <Volume>2</Volume>
            <Speed>200</Speed>
        </TtsTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Video Montage Template

Last updated：2024-02-27 15:52:05

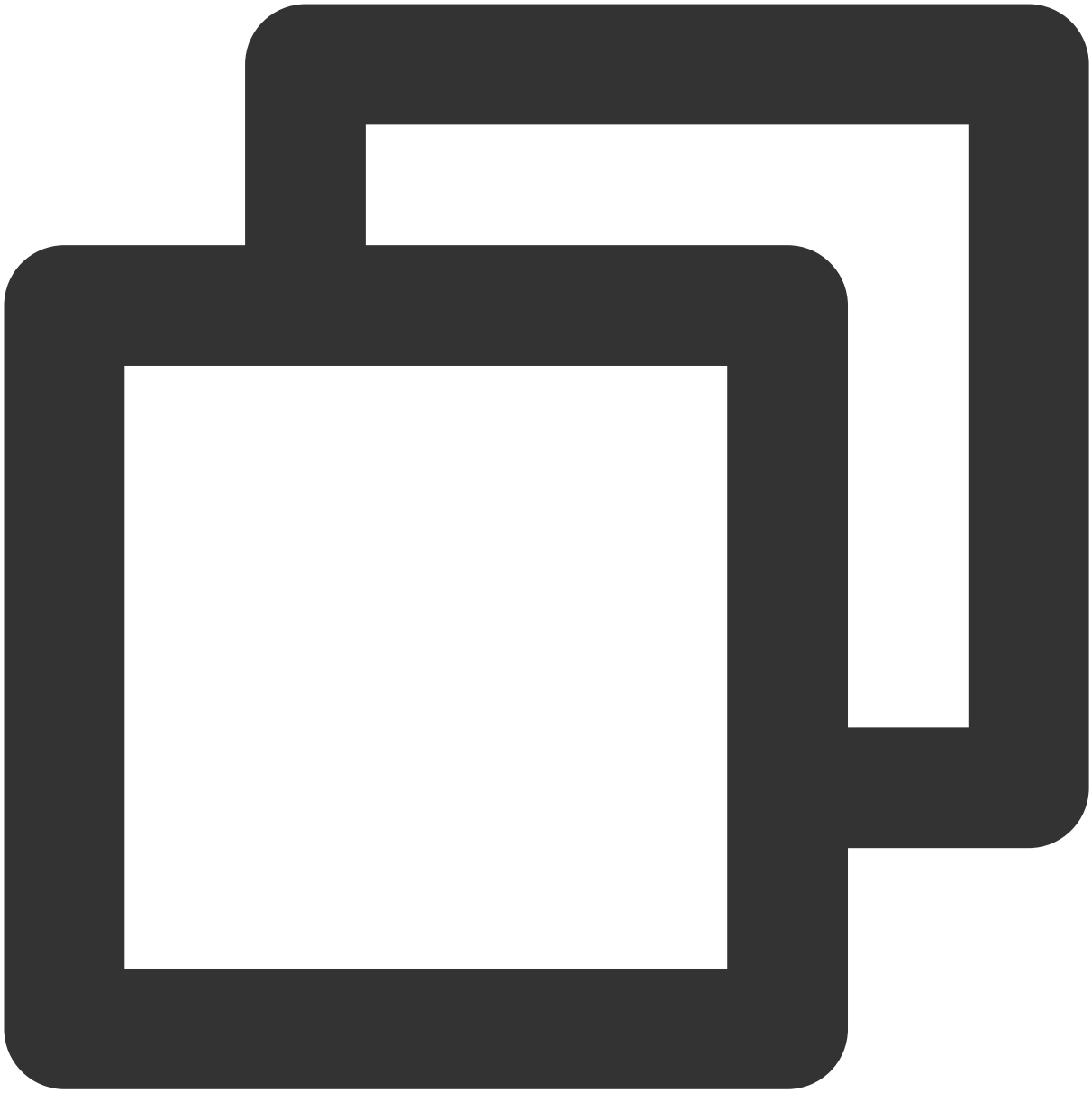
Feature Description

This API is used to create a video montage template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

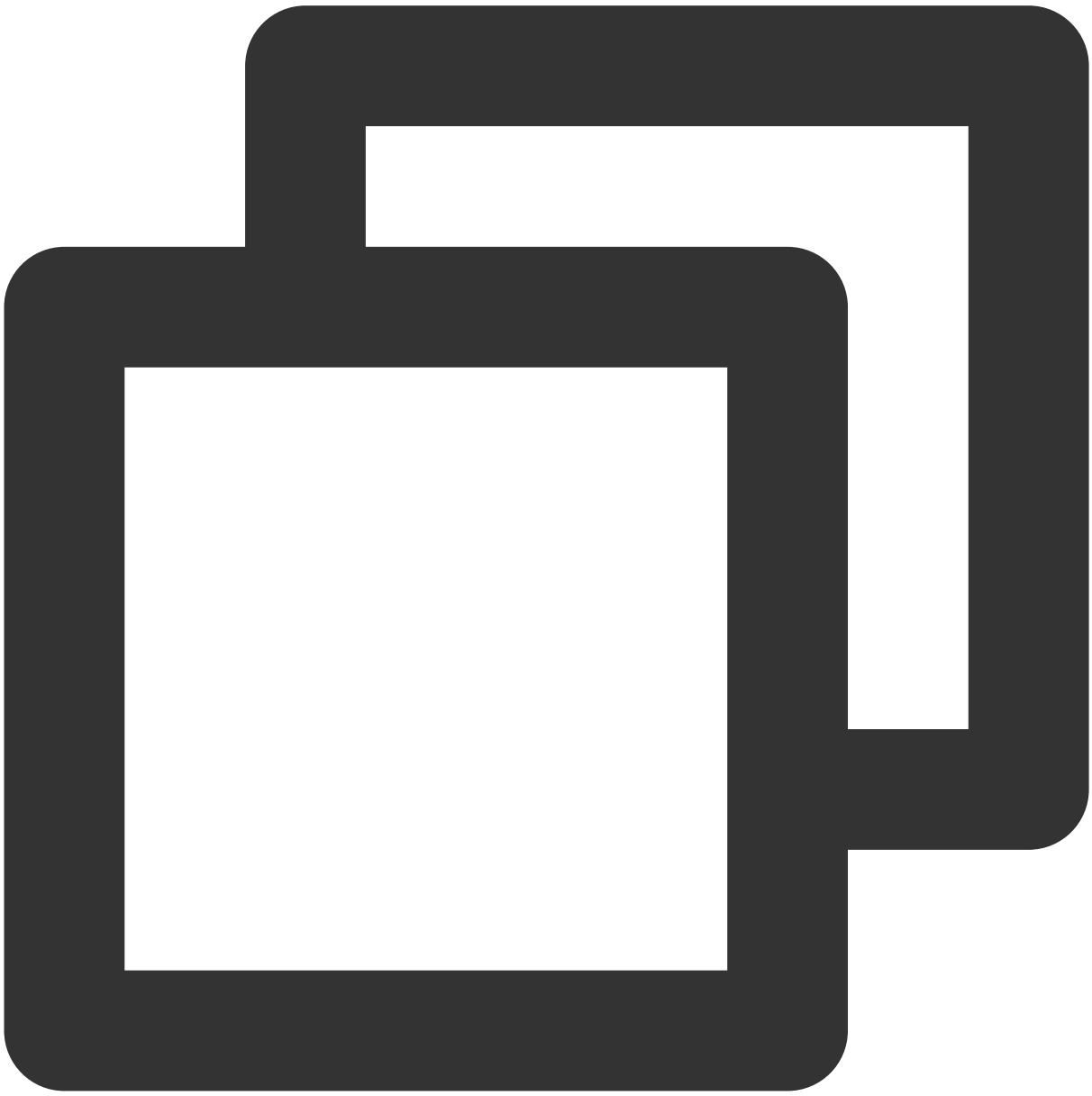
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VideoMontage</Tag>
    <Name>TemplateName</Name>
    <Duration>10.5</Duration>
    <Container>
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
        <Remove>false</Remove>
    </Audio>
    <AudioMix>
        <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3</AudioS
        <MixMode>Once</MixMode>
        <Replace>true</Replace>
    </AudioMix>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Template tag: VideoMontage	String	Yes	None
Name	Request	Template name, which can contain letters, digits,	String	Yes	None

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		underscores (_), hyphens (-), and asterisks (*).			
Duration	Request	Video montage duration	String	No	1. The default value is the automatically analyzed duration. 2. Unit: Second 3. Supports the float format, accurate to the millisecond.
Container	Request	Container format	Container	Yes	None
Video	Request	Video information	Container	Yes	None
Audio	Request	Audio information	Container	No	None
AudioMix	Request	Audio mix parameter as described in Structure.	Container array	No	Valid only if `Audio.Remove` is `false`

`Container` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Format	Request.Container	Container format. Valid values: `mp4`, `flv`, `hls`, `ts`, `mkv`.	String	Yes

Audio/Video formats supported by different container formats are as follows:

Container	Audio Codecs	Video Codecs
mp4/ts/hls/mkv	AAC, MP3	H.264, H.265
flv	AAC, MP3	H.264

`Video` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Codec	Request.Video	Codec	String	No	H.264	1. H.264

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		format				2.H.265
Width	Request.Video	Width	String	No	Original video width	1. Value range: [128, 4096] 2.Unit: px 3.If only Width is set, Height is calculated based on the original video aspect ratio. 4.This parameter must be an even number.
Height	Request.Video	Height	String	No	Original video height	1. Value range: [128, 4096] 2.Unit: px 3. If only Height is set, Width is calculated based on the original video aspect ratio. 4. This parameter must be an even number.
Fps	Request.Video	Frame rate	String	No	None	1. Value range: (0, 60] 2. Unit: fps
Bitrate	Request.Video	Bitrate of the video output file	String	No	None	1. Value range: [10, 50000] 2. Unit: Kbps
Crf	Request.Video	Bitrate, which is a quality control factor	String	No	None	1. Value range: (0, 51] 2. If Crf is set, the setting of Bitrate becomes invalid. 3. If Bitrate is empty, 25 is used for this parameter by default.
Rotate	Request.Video	Rotation angle	String	No	None	1. Value range: [0, 360) 2. Unit: Degree

`Audio` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints

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Codec	Request.Audio	Codec format	String	No	aac	Valid values: `aac`, `mp3`.
Samplerate	Request.Audio	Sample rate	String	No	44100	1. Unit: Hz 2. Valid values: 11025, 22050, 32000, 44100, 48000, 96000. 3. Different container formats support different MP3 sample rates, as shown in the table below.
Bitrate	Request.Audio	Original audio bitrate	String	No	None	1. Unit: Kbps 2. Value range: [8, 1000]
Channels	Request.Audio	Number of sound channels	String	No	None	1. If Codec is aac, the value can be 1, 2, 4, 5, 6, or 8. 2. If Codec is mp3, the value can be 1 or 2.
Remove	Request.Audio	Whether to delete the audio stream	String	No	false	Valid values: `true`, `false`.

Note:

Y indicates supported, and N indicates unsupported.

Container Format/Audio Sample Rate	11025	22050	32000	44100	48000	96000
flv	N	Y	N	Y	N	N
mp4	N	Y	Y	Y	Y	N
hls/ts/mkv	Y	Y	Y	Y	Y	N

Response

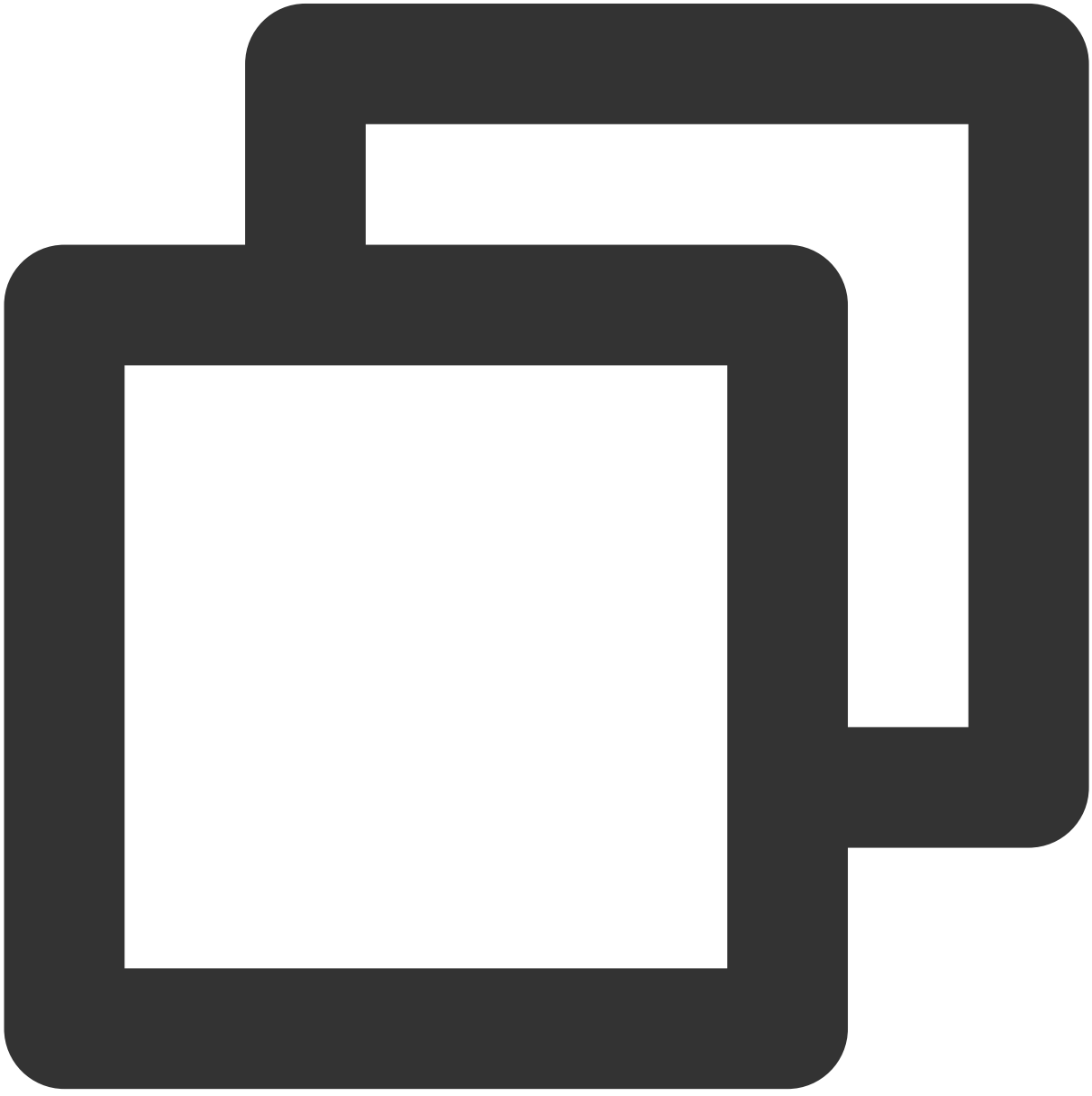
Response headers

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This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <Template>
        <Tag>VideoMontage</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
```

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```
        <Category>Custom</Category>
        <VideoMontage>
            <Duration>10.5</Duration>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
                <Remove>false</Remove>
            </Audio>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
            </AudioMix>
        </VideoMontage>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String

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Tag	Response.Template	Template tag: VideoMontage	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
VideoMontage	Response.Template	Template parameters	Container

`VideoMontage` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
Duration	Response.TemplateList.VideoMontage	Same as the `Request.Duration` in the request body.
TimeInterval	Response.TemplateList.VideoMontage	Same as the `Request.TimeInterval` in the request body.
Container	Response.TemplateList.VideoMontage	Same as the `Request.Container` in the request body.
Video	Response.TemplateList.VideoMontage	Same as the `Request.Video` in the request body.
Audio	Response.TemplateList.VideoMontage	Same as the `Request.Audio` in the request body.
AudioMix	Response.TemplateList.VideoMontage	Same as the `Request.AudioMix` in the request body.

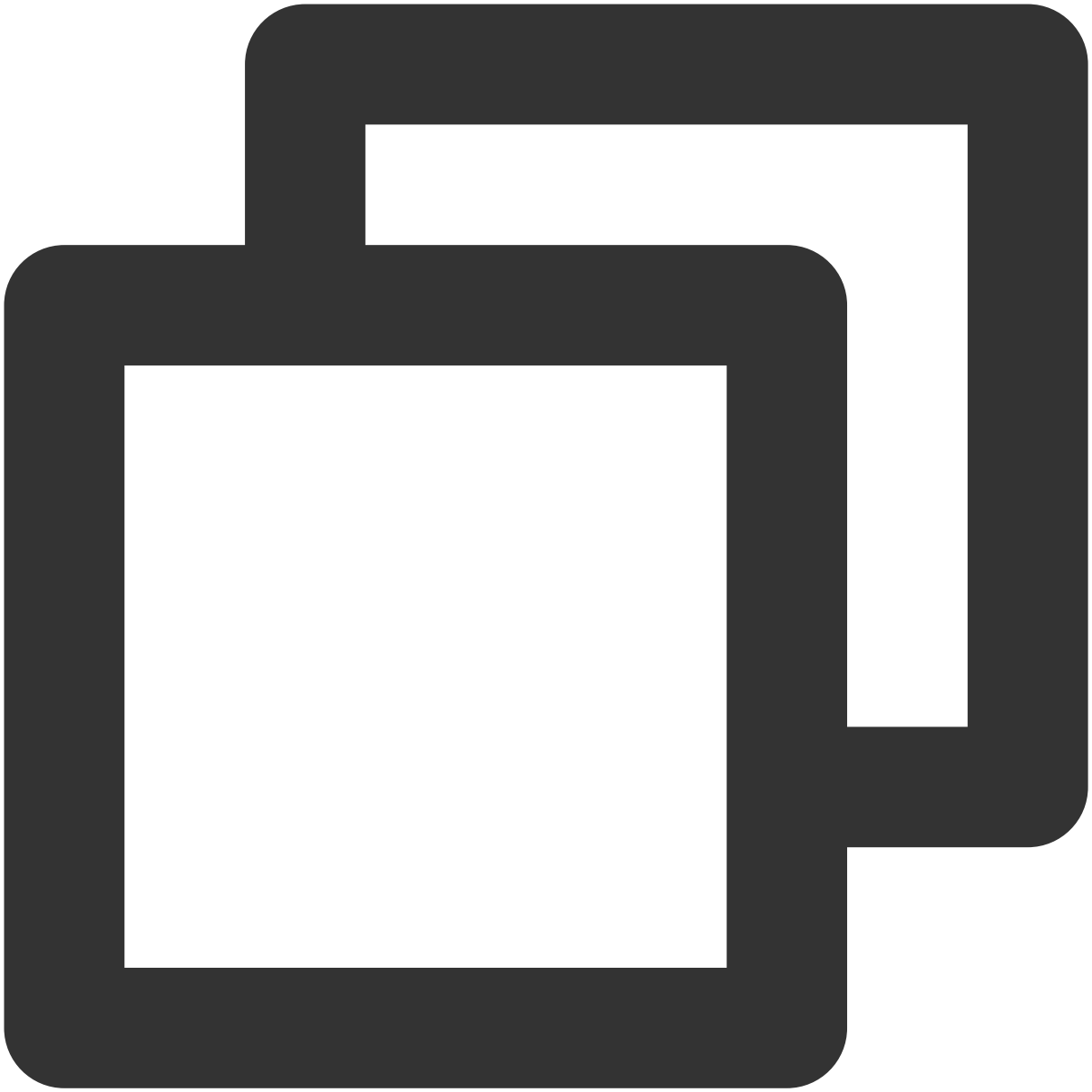
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

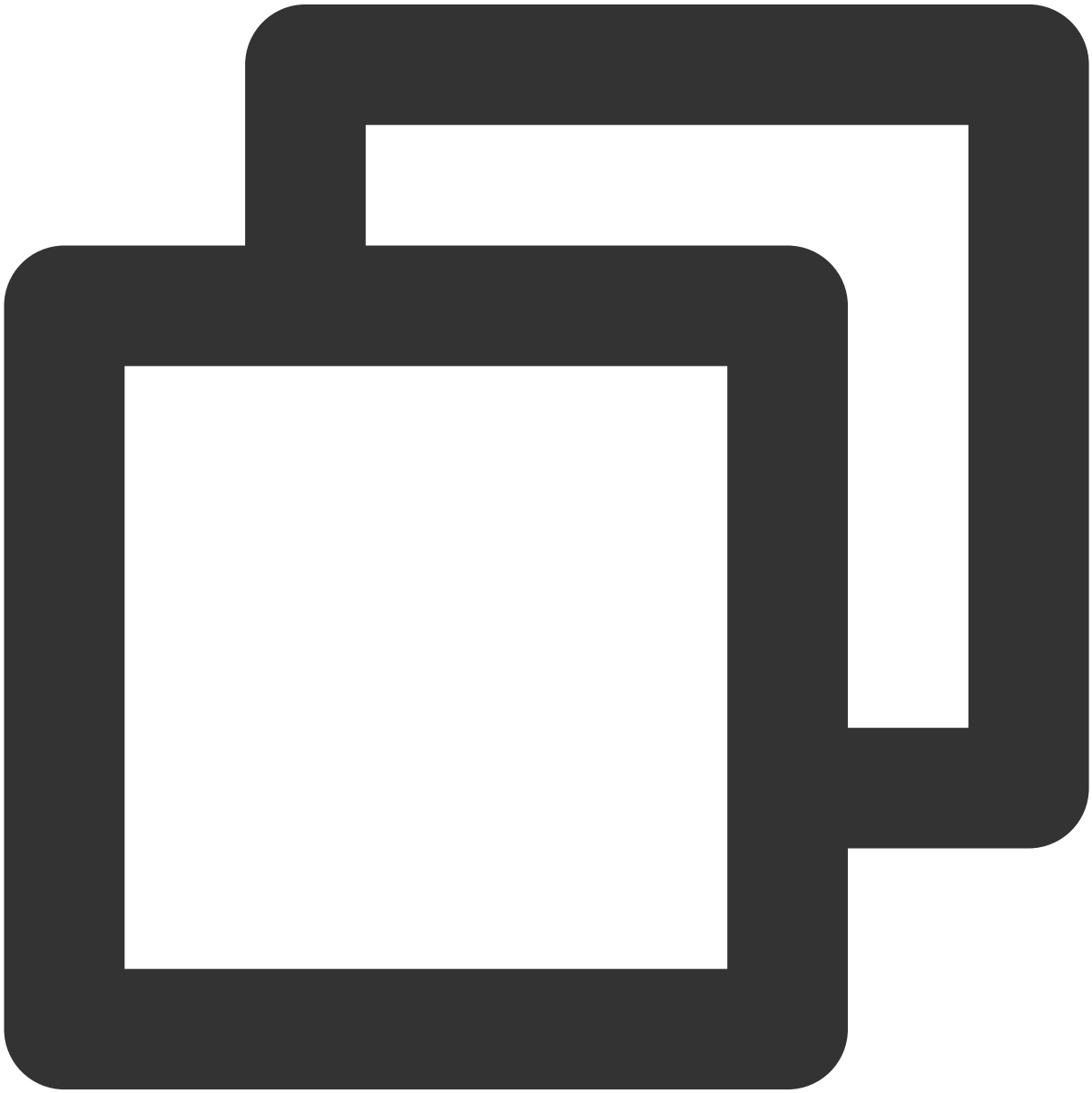
<Request>
    <Tag>VideoMontage</Tag>
    <Name>TemplateName</Name>
    <Duration>10.5</Duration>
    <Container>
```

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```
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
        <Remove>false</Remove>
    </Audio>
    <AudioMix>
        <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3</AudioS
        <MixMode>Once</MixMode>
        <Replace>true</Replace>
    </AudioMix>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>VideoMontage</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <VideoMontage>
            <Duration>10.5</Duration>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
                <Remove>false</Remove>
            </Audio>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
            </AudioMix>
        </VideoMontage>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Video Enhancement Template

Last updated：2024-02-27 15:52:06

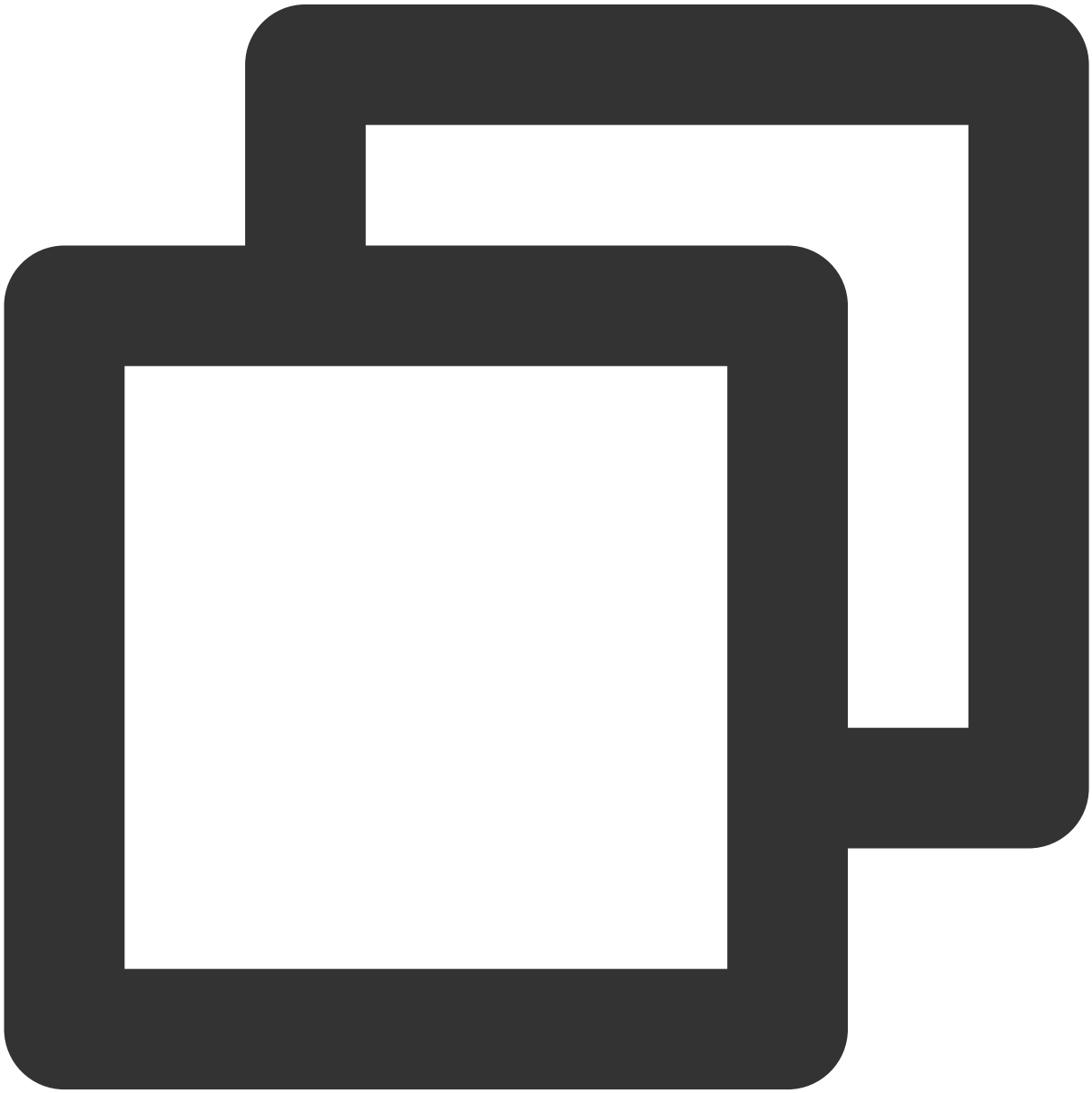
Feature Description

This API is used to create a video enhancement template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

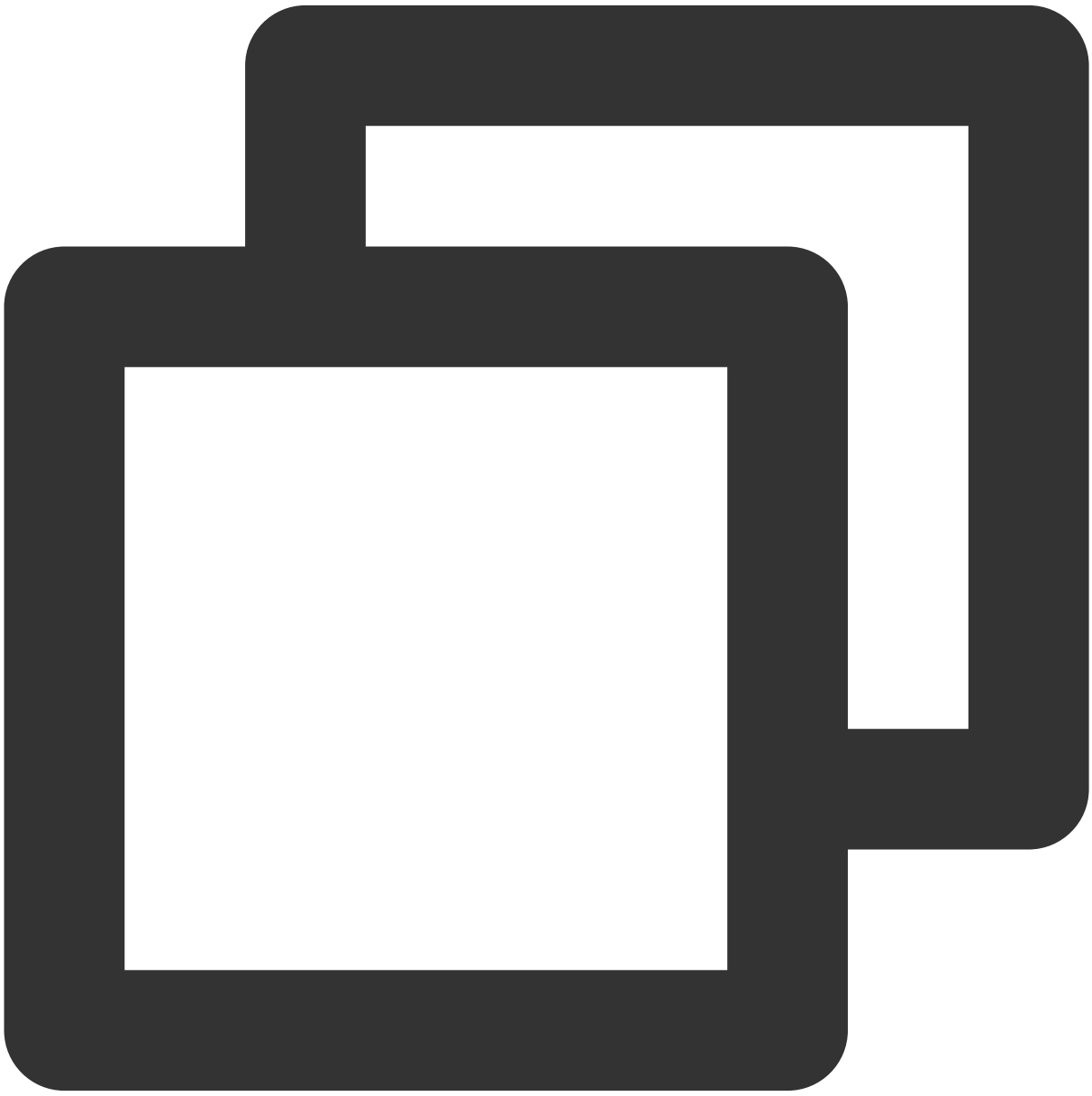
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VideoProcess</Tag>
    <Name>TemplateName</Name>
    <ColorEnhance>
        <Enable>true</Enable>
        <Contrast></Contrast>
        <Correction></Correction>
        <Saturation></Saturation>
    </ColorEnhance>
    <MsSharpen>
        <Enable>true</Enable>
        <SharpenLevel></SharpenLevel>
    </MsSharpen>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Template tag: VideoProcess	String	Yes	No
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes	None
ColorEnhance	Request	Color enhancement	Container	No. `ColorEnhance` and `MsSharpen` cannot be empty at the same time.	None

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MsSharpen	Request	Detail enhancement	Container	No. `ColorEnhance` and `MsSharpen` cannot be empty at the same time.	None

`ColorEnhance` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Enable	Request.ColorEnhance	Whether to enable color enhancement	String	None	false	true, false
Contrast	Request.ColorEnhance	Contrast	String	No	None	Value range: [0, 100] or a null string indicating automatic analysis
Correction	Request.ColorEnhance	Color correction	String	No	None	Value range: [0, 1000] or a null string indicating automatic analysis
Saturation	Request.ColorEnhance	Saturation	String	No	None	Value range: [0, 300] or a null string indicating automatic analysis

`MsSharpen` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Enable	Request.MsSharpen	Whether to enable detail enhancement	String	None	false	true, false
SharpenLevel	Request.MsSharpen	Enhancement level	String	No	None	Value range: [0, 10] or a null

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						string indicating automatic analysis

Response

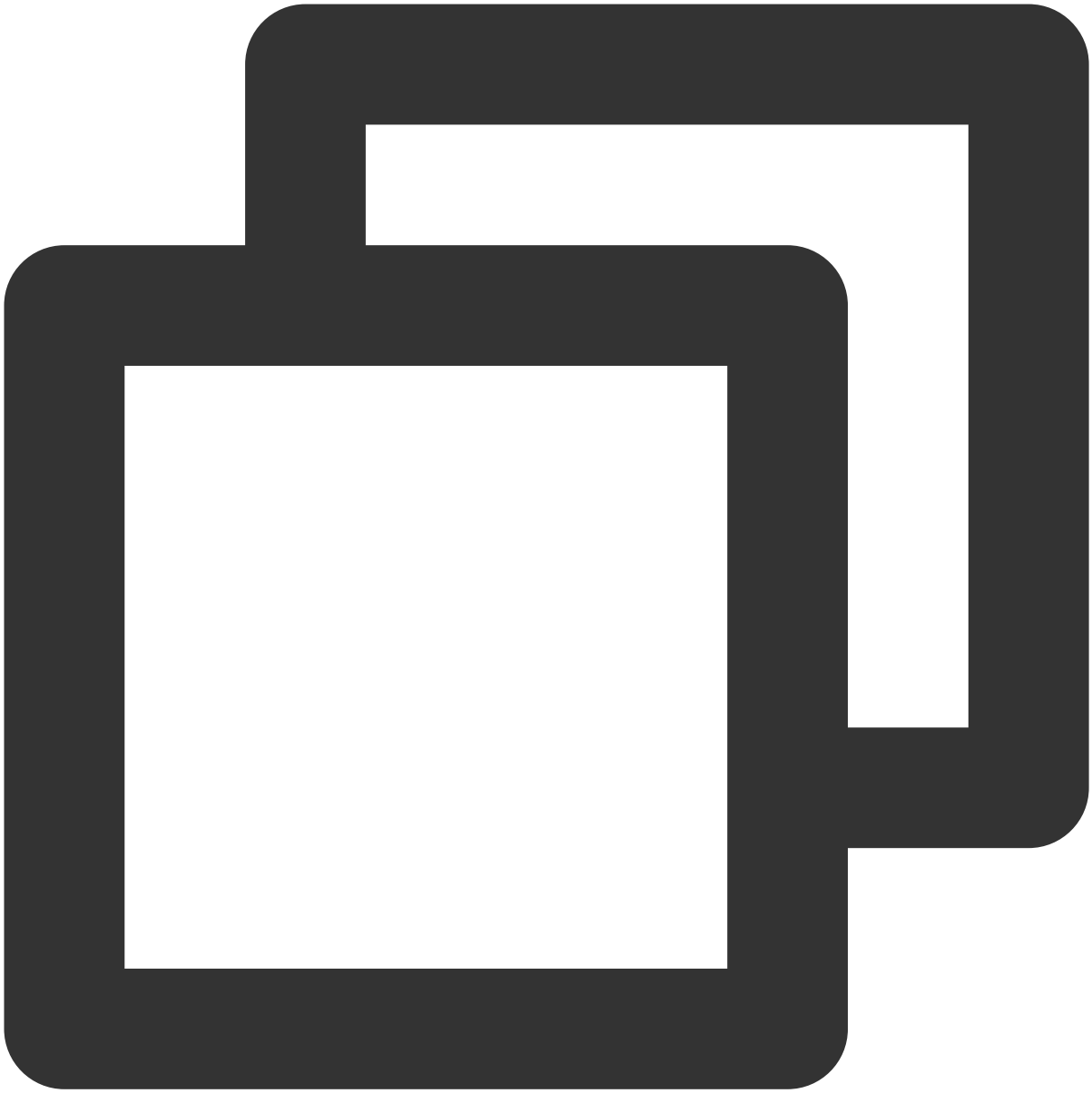
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>VideoProcess</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <VideoProcess>
            <ColorEnhance>
                <Enable>true</Enable>
                <Contrast></Contrast>
```

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```
                <Correction></Correction>
                <Saturation></Saturation>
            </ColorEnhance>
            <MsSharpen>
                <Enable>true</Enable>
                <SharpenLevel></SharpenLevel>
            </MsSharpen>
        <VideoProcess>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
Tag	Response.Template	Template tag: VideoProcess	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
VideoProcess	Response.Template	Template parameters	Container

`VideoProcess` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description
ColorEnhance	Response.Template.VideoProcess	Same as the `Request.ColorEnhance` in the request body.
MsSharpen	Response.Template.VideoProcess	Same as the `Request.MsSharpen` in the

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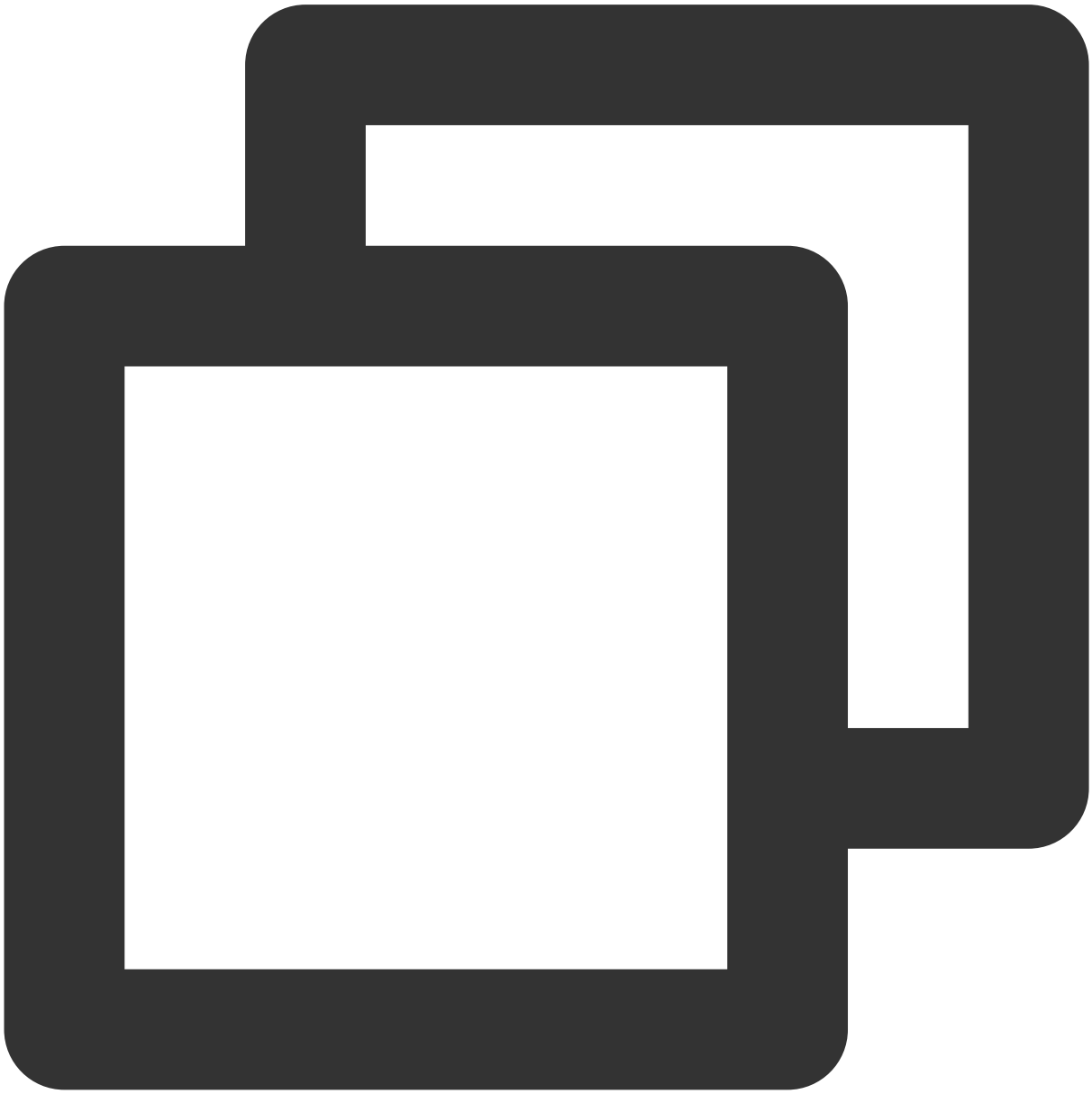
		request body.

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



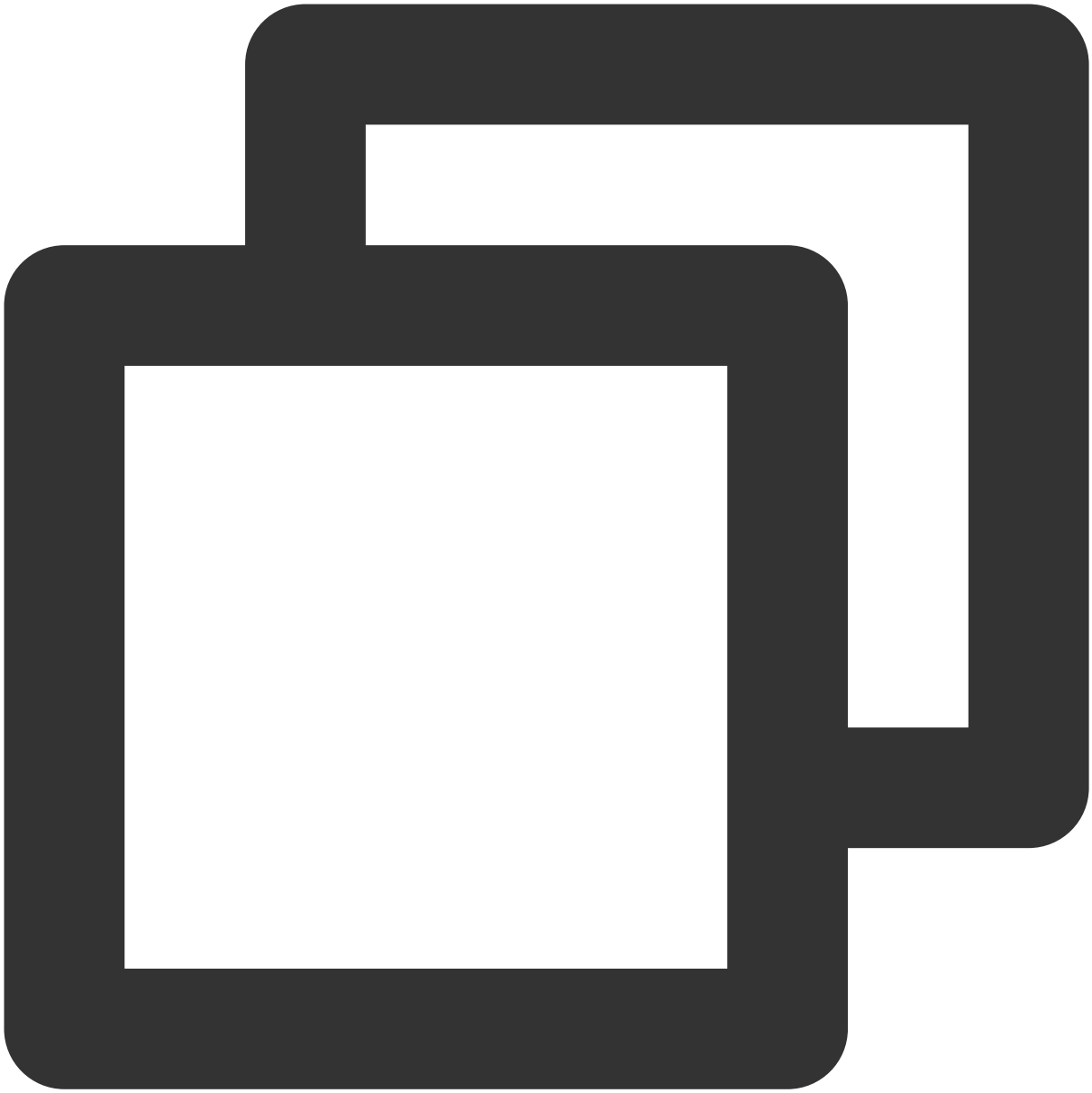
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```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>VideoProcess</Tag>
    <Name>TemplateName</Name>
    <ColorEnhance>
        <Enable>true</Enable>
        <Contrast></Contrast>
        <Correction></Correction>
        <Saturation></Saturation>
    </ColorEnhance>
    <MsSharpen>
        <Enable>true</Enable>
        <SharpenLevel></SharpenLevel>
    </MsSharpen>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>VideoProcess</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <ColorEnhance>
            <Enable>true</Enable>
            <Contrast></Contrast>
            <Correction></Correction>
            <Saturation></Saturation>
        </ColorEnhance>
        <MsSharpen>
            <Enable>true</Enable>
            <SharpenLevel></SharpenLevel>
        </MsSharpen>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Voice/Sound Separation Template

Last updated：2024-02-27 15:52:06

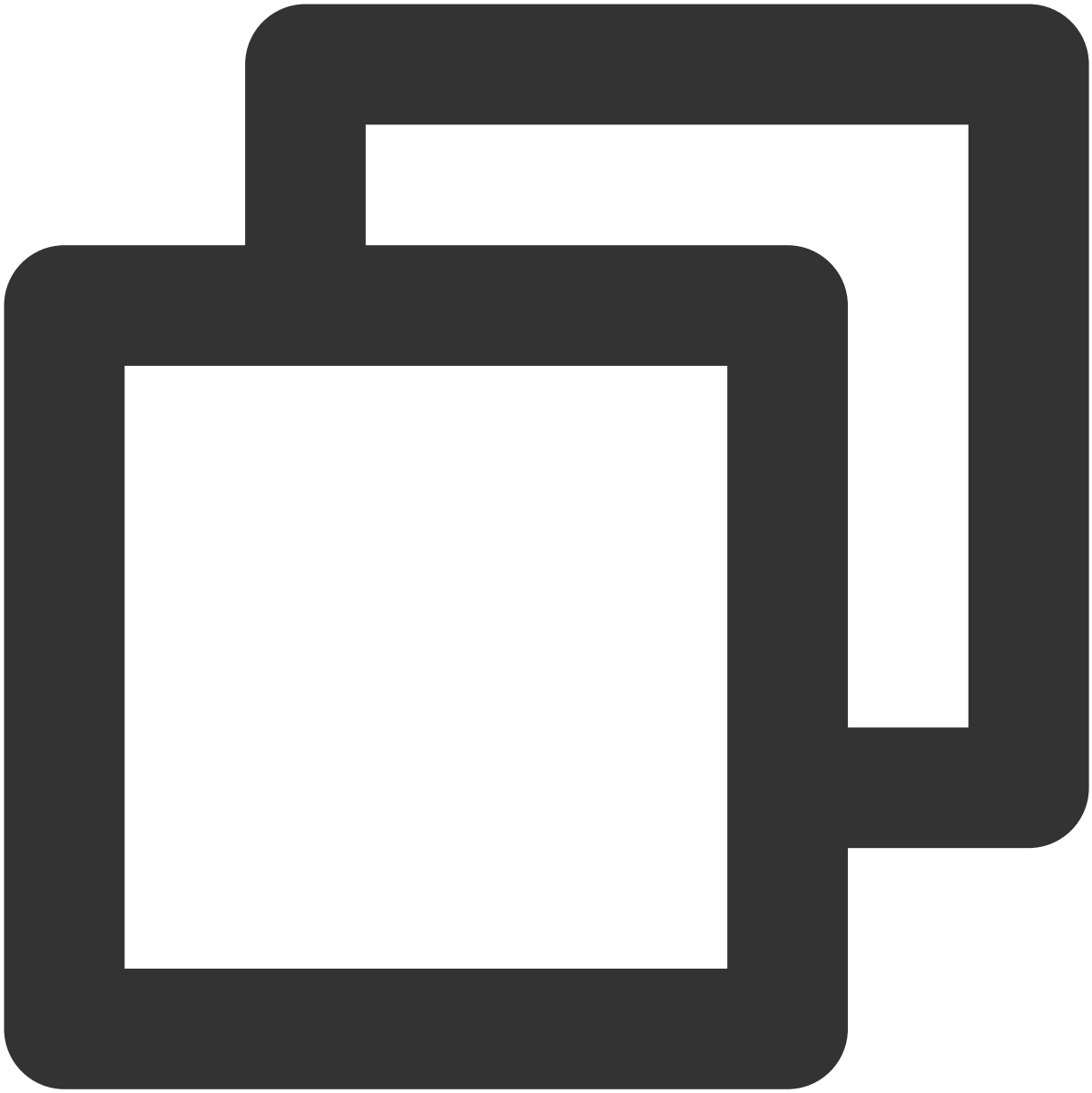
Feature Description

This API is used to create a voice/sound separation template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

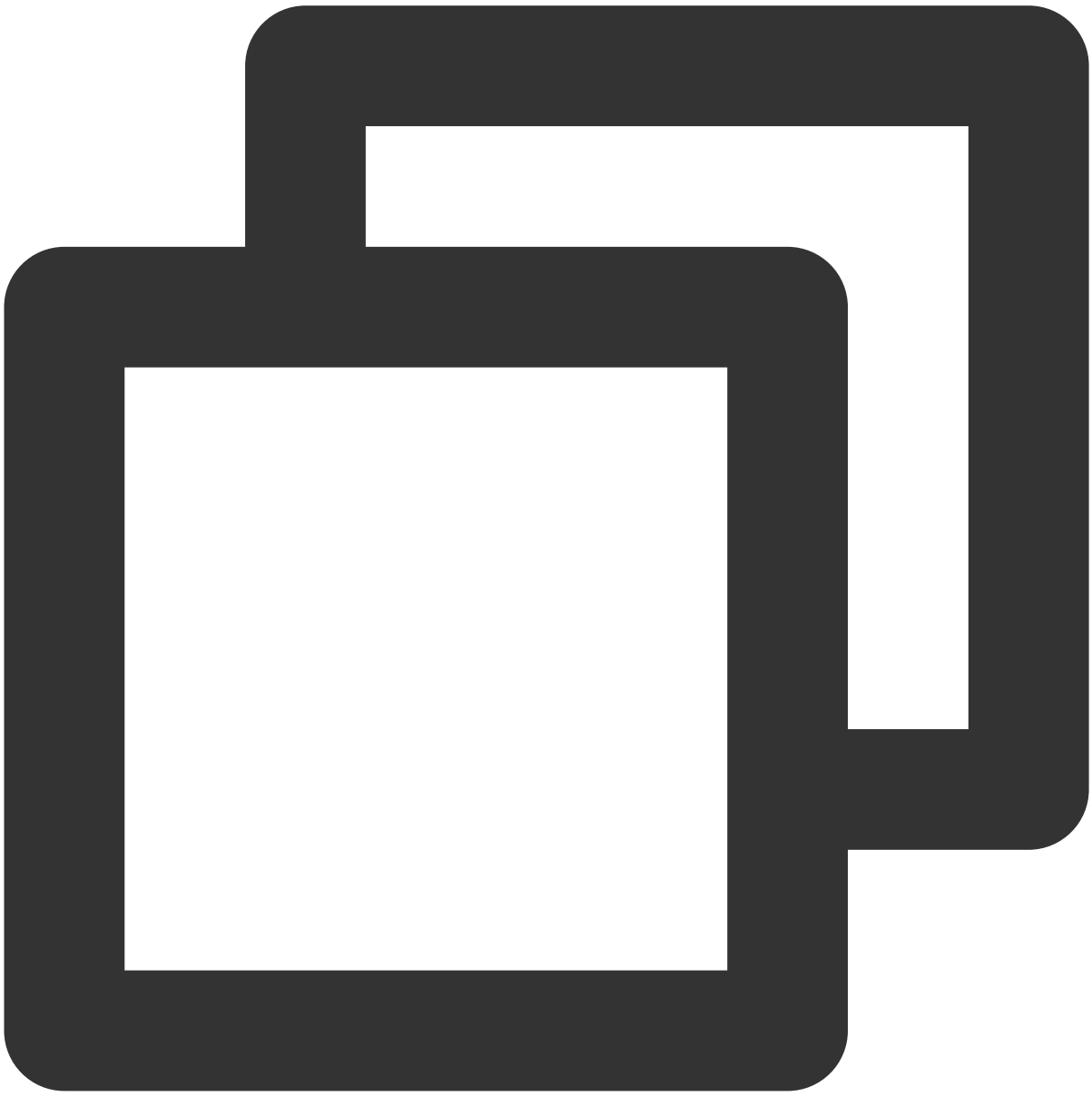
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VoiceSeparate</Tag>
    <Name>TemplateName</Name>
    <AudioMode>IsAudio</AudioMode>
    <AudioConfig>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </AudioConfig>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Template tag: VoiceSeparate	String	Yes	None
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes	None
AudioMode	Request	Audio output mode	String	Yes	IsAudio: Outputs voice IsBackground: Outputs background sound AudioAndBackground: Outputs voice and background sound
AudioConfig	Request	Audio configuration	Container	Yes	None

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`AudioConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Codec	Request.Audio	Codec format	String	No	aac	Valid values: aac, mp3, flac, amr.
Samplerate	Request.Audio	Sample rate	String	No	44100	1. Unit: Hz 2. Valid values: 8000, 11025, 22050, 32000, 44100, 48000, 96000. 3. If Codec is aac or flac, the value cannot be 8000. 4. If Codec is mp3, the value cannot be 8000 or 96000. 5. If Codec is amr, the value can only be 8000.
Bitrate	Request.Audio	Original audio bitrate	String	No	None	1. Unit: Kbps 2. Value range: [8, 1000]
Channels	Request.Audio	Number of sound channels	String	No	None	1. If Codec is aac or flac, the value can be 1, 2, 4, 5, 6, or 8. 2. If Codec is mp3, the value can only be 1 or 2. 3. If Codec is amr, the value can only be 1.

Response

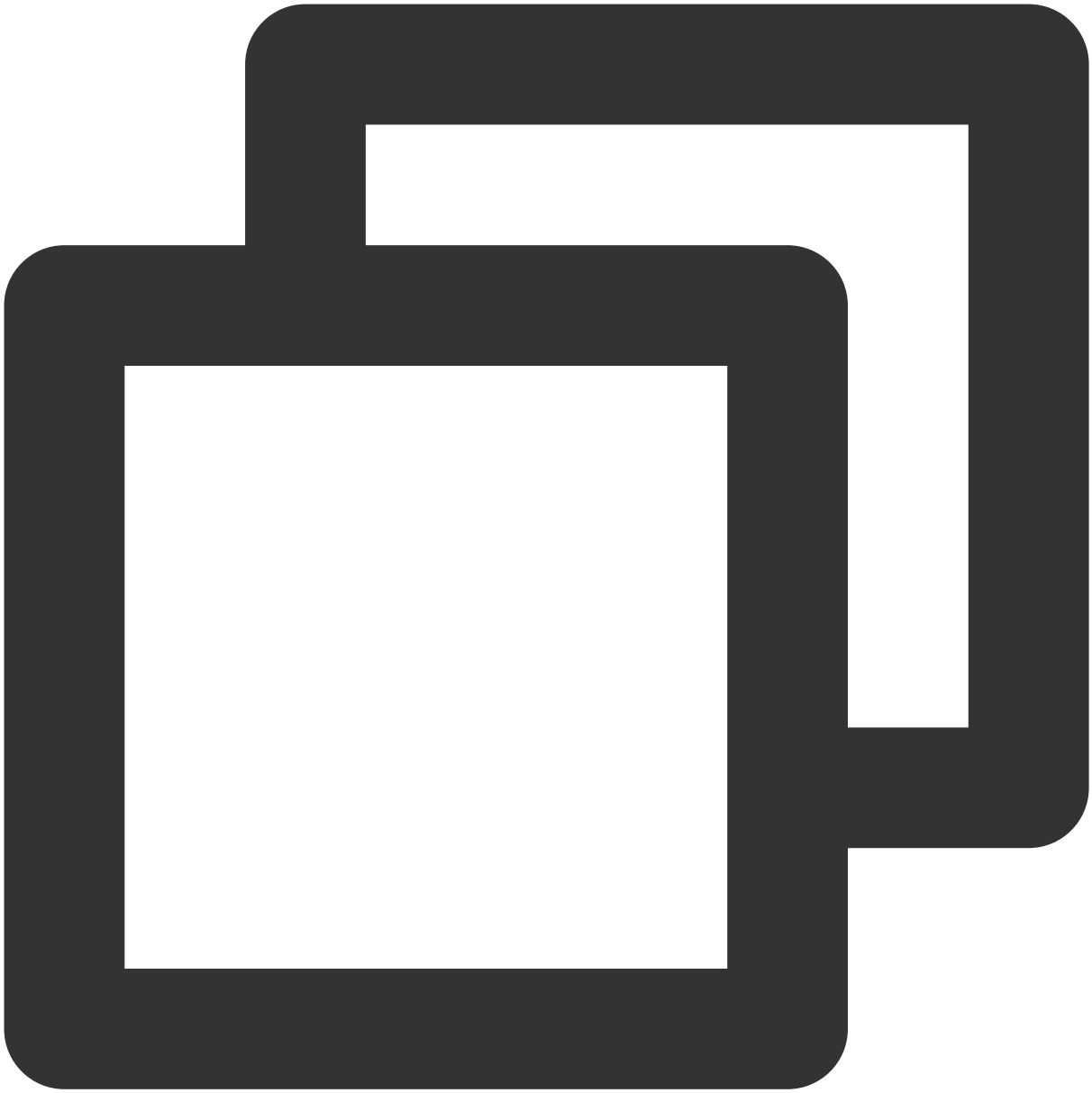
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>VoiceSeparate</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <VoiceSeparate>
            <AudioMode>IsAudio</AudioMode>
            <AudioConfig>
                <Codec>mp3</Codec>
```

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```
                <Samplerate>44100</Samplerate>
                <Bitrate>12</Bitrate>
                <Channels>2</Channels>
            </AudioConfig>
        </VoiceSeparate>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
Tag	Response.Template	Template tag: VoiceSeparate	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
VoiceSeparate	Response.Template	Template parameters	Container

`VoiceSeparate` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
AudioMode	Response.Template.VoiceSeparate	Same as `Request.AudioMode` in the request body.	String
AudioConfig	Response.Template.VoiceSeparate	Same as `Request.AudioConfig` in the request body.	Container

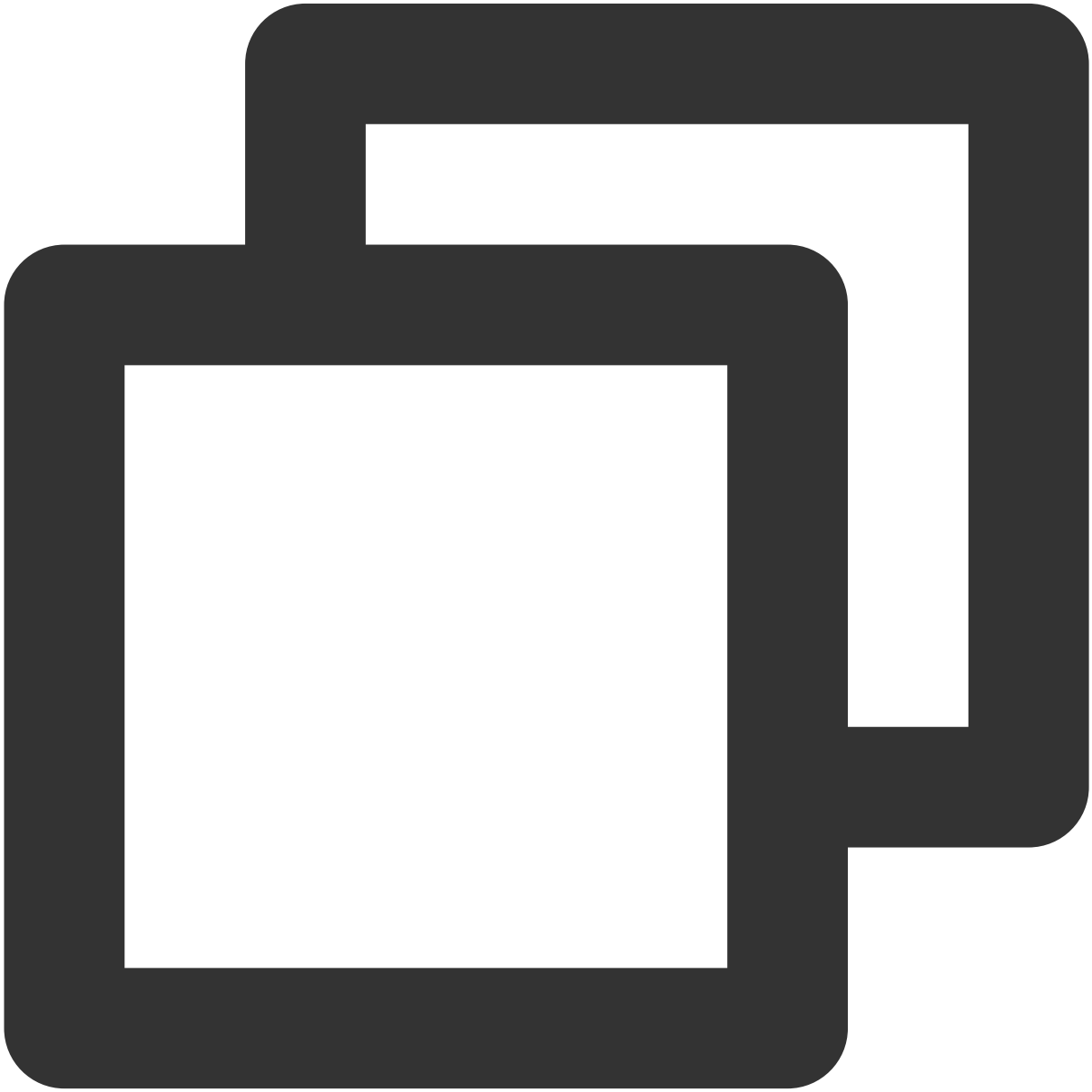
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Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
```

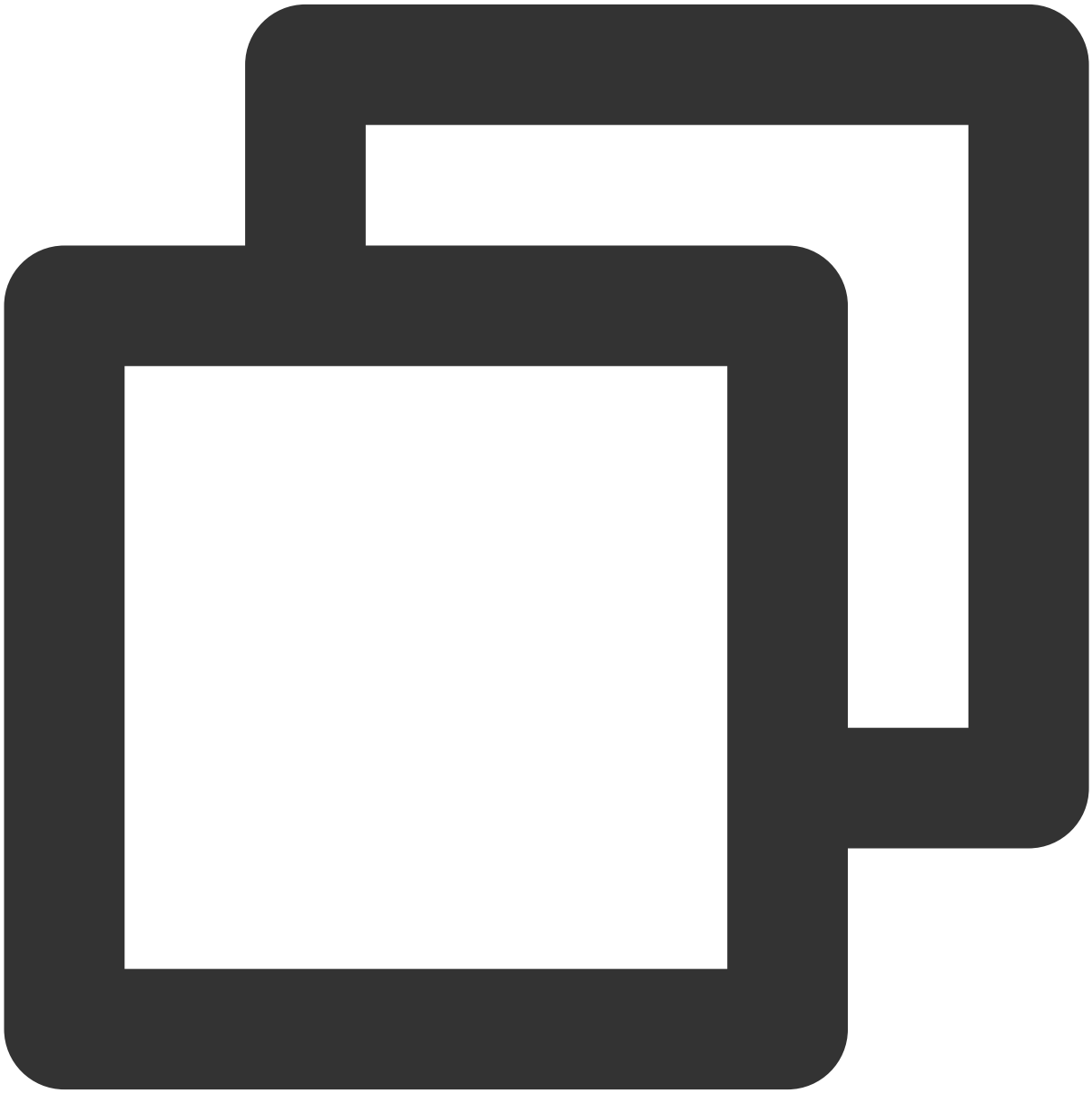
©2013-2022 Tencent Cloud. All rights reserved.

```
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>VoiceSeparate</Tag>
    <Name>TemplateName</Name>
    <AudioMode>IsAudio</AudioMode>
    <AudioConfig>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </AudioConfig>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>VoiceSeparate</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <VoiceSeparate>
            <AudioMode>IsAudio</AudioMode>
            <AudioConfig>
                <Codec>mp3</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>12</Bitrate>
                <Channels>2</Channels>
            </AudioConfig>
        </VoiceSeparate>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Watermark Template

Last updated：2024-02-27 15:52:05

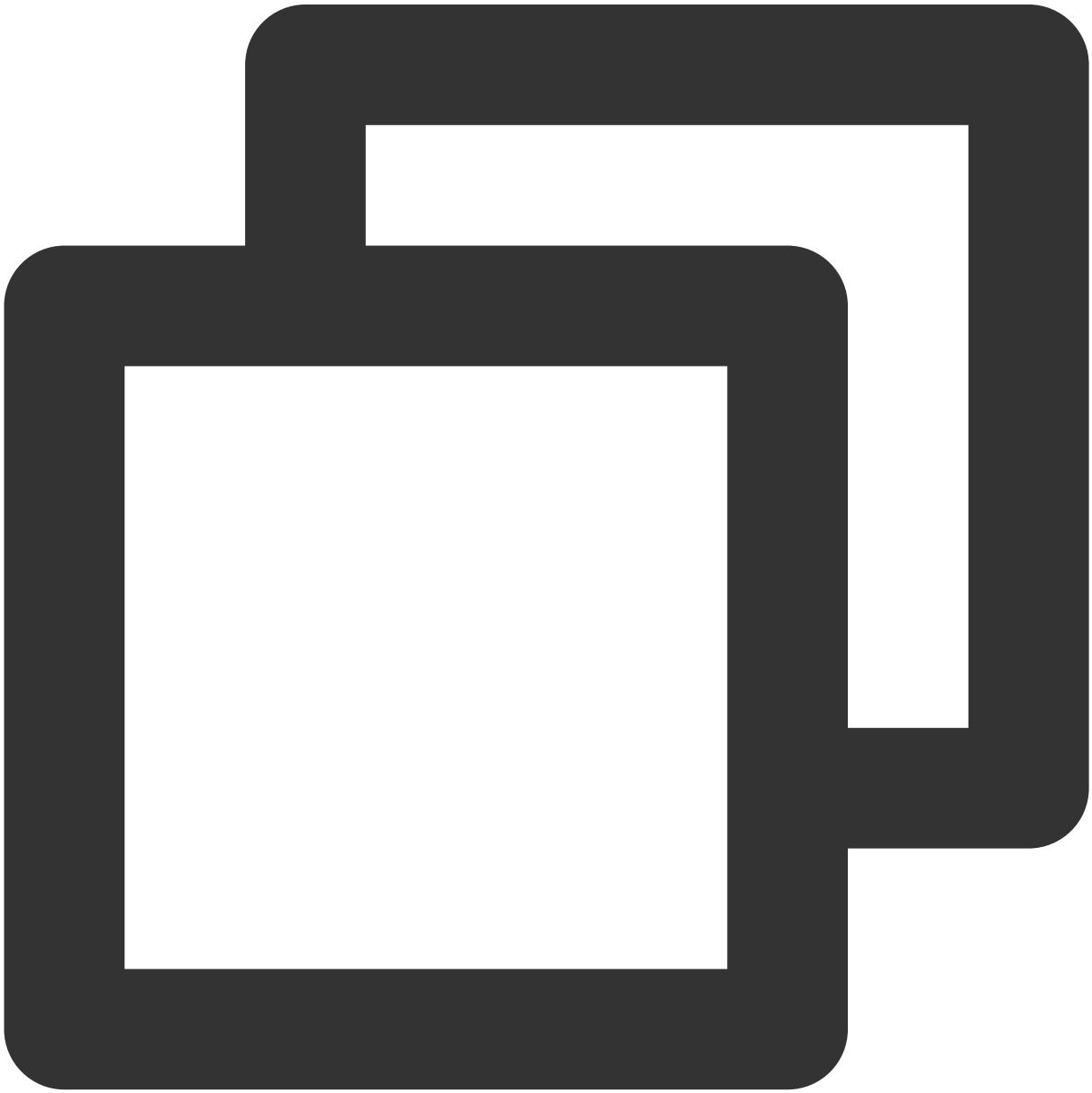
Feature Description

This API is used to create a watermark template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

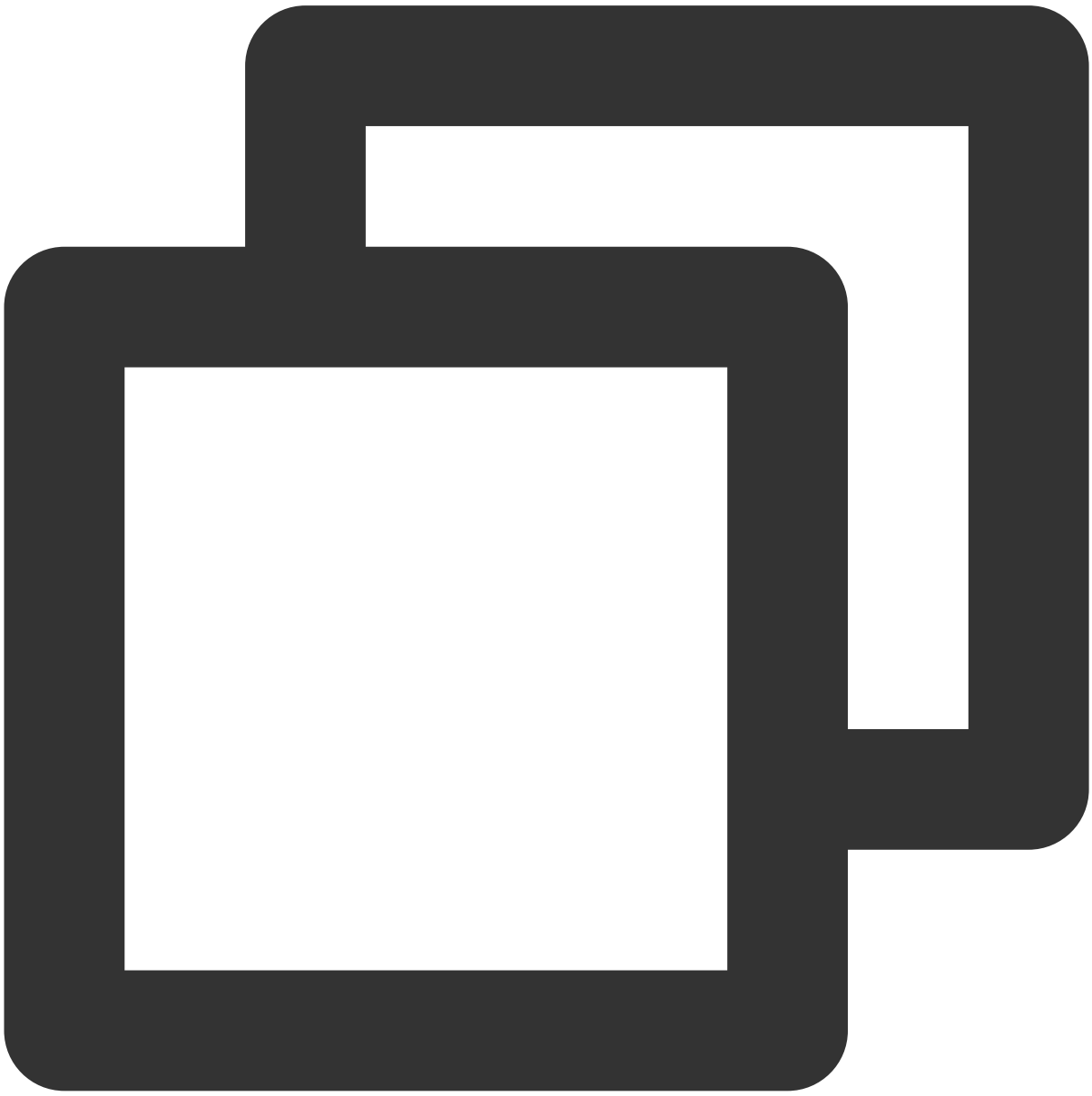
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Watermark</Tag>
    <Name>TemplateName</Name>
    <Watermark>
        <Type>Text</Type>
        <LocMode>Absolute</LocMode>
        <Dx>128</Dx>
        <Dy>128</Dy>
        <Pos>TopRight</Pos>
        <StartTime>0</StartTime>
        <EndTime>100.5</EndTime>
        <Text>
            <Text>Watermark content</Text>
            <FontSize>30</FontSize>
            <FontType></FontType>
            <FontColor>0xRRGGBB</FontColor>
            <Transparency>30</Transparency>
        </Text>
    </Watermark>
</Request>

<Request>
    <Tag>Watermark</Tag>
    <Name>TemplateName</Name>
    <Watermark>
        <Type>Image</Type>
        <LocMode>Absolute</LocMode>
        <Dx>128</Dx>
        <Dy>128</Dy>
        <Pos>TopRight</Pos>
        <StartTime>0</StartTime>
        <EndTime>100.5</EndTime>
        <Image>
            <Url>http://test-1234567890.ci.ap-beijing.myqcloud.com/shuiyin_2.png</U
            <Mode>Proportion</Mode>
            <Width>10</Width>
            <Height></Height>
            <Transparency>100</Transparency>
        </Image>
    </Watermark>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type

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Request	None	Request container	Container

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Template type: Watermark	String	Yes
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes
Watermark	Request	Watermark information	Container	Yes

`Watermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Type	Request.Watermark	Watermark type	String	Yes	None	Text: Text watermark. Image: Image watermark.
Pos	Request.Watermark	Reference position	String	Yes	None	TopRight, TopLeft, BottomRight, BottomLeft, Left, Right, Top, Bottom, Center
LocMode	Request.Watermark	Offset mode	String	Yes	None	Relativity: Proportionally. Absolute: Fixed position.
Dx	Request.Watermark	Horizontal offset	String	Yes	None	1. Image watermark with Background being true: If locMode is Relativity, the unit is %, and

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						the value range is [-300, 0]. If locMode is Absolute, the unit is px, and the value range is [-4096, 0]. 2. Image watermark with Background being false: If locMode is Relativity, the unit is %, and the value range is [0, 100]. If locMode is Absolute, the unit is px, and the value range is [0, 4096]. 3. Text watermark: If locMode is Relativity, the unit is %, and the value range is [0, 100]. If locMode is Absolute, the unit is px, and the value range is [0, 4096]. 4. If Pos is Top, Bottom, or Center, this parameter will not take effect.

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Dy	Request.Watermark	Vertical offset	String	Yes	None	1. Image watermark with Background being true: If locMode is Relativity, the unit is %, and the value range is [-300, 0]. If locMode is Absolute, the unit is px, and the value range is [-4096, 0]. 2. Image watermark with Background being false: If locMode is Relativity, the unit is %, and the value range is [0, 100]. If locMode is Absolute, the unit is px, and the value range is [0, 4096]. 3. Text watermark: If locMode is Relativity, the unit is %, and the value range is [0, 100]. If locMode is Absolute, the unit is px, and the value

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						range is [0, 4096]. 4. If Pos is Left, Right, or Center, this parameter will not take effect.
StartTime	Request.Watermark	Watermark start time	String	No	0	1. Value range: [0, video duration] 2. Unit: Second 3. The float format is supported, accurate to the millisecond.
EndTime	Request.Watermark	Watermark end time	String	No	Video end time	1. Value range: [0, video duration] 2. Unit: Second 3. The float format is supported, accurate to the millisecond.
SlideConfig	Request.Watermark	Watermark sliding configuration. If this parameter is configured, the watermark offset setting will not take effect. This	Container	No	None	None

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		parameter is not supported for top speed codec/H.265 transcoding.				
Image	Request.Watermark	Image watermark node	Container	No	None	None
Text	Request.Watermark	Text watermark node	Container	No	None	None

`SlideConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constrair
SlideMode	Request.Watermark.SlideConfig	Sliding mode	String	Yes	None	Default: N `Scroll` Slides fro right. If `Scroll` is set, the `Waterm` paramete effect.
XSlideSpeed	Request.Watermark.SlideConfig	Horizontal sliding speed	String	Yes	None	Valid valu integer b 10. Defau
YSlideSpeed	Request.Watermark.SlideConfig	Vertical sliding speed	String	Yes	None	Valid valu integer b 10. Defau

`Image` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Url	Request.Watermark.Image	Watermark image address	String	Yes	None	Same as th watermark image

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		(which must be URL-encoded before being passed in).				address of the bucket.
Mode	Request.Watermark.Image	Dimension mode	String	Yes	None	1. Original: Original siz 2. Proportic Scaled proportiona 3. Fixed: Fixed size
Width	Request.Watermark.Image	Width	String	No	None	1. If Mode i Original, th watermark image widt cannot be set. 2. If Mode i Proportion, the unit is % and the val range is [100, 300] the backgroun image and 100] for the foreground image. Compared with the video width the watermark image widt cannot be greater tha 4096 px. 3. If Mode i Fixed, the unit is px, and the val range is [8,

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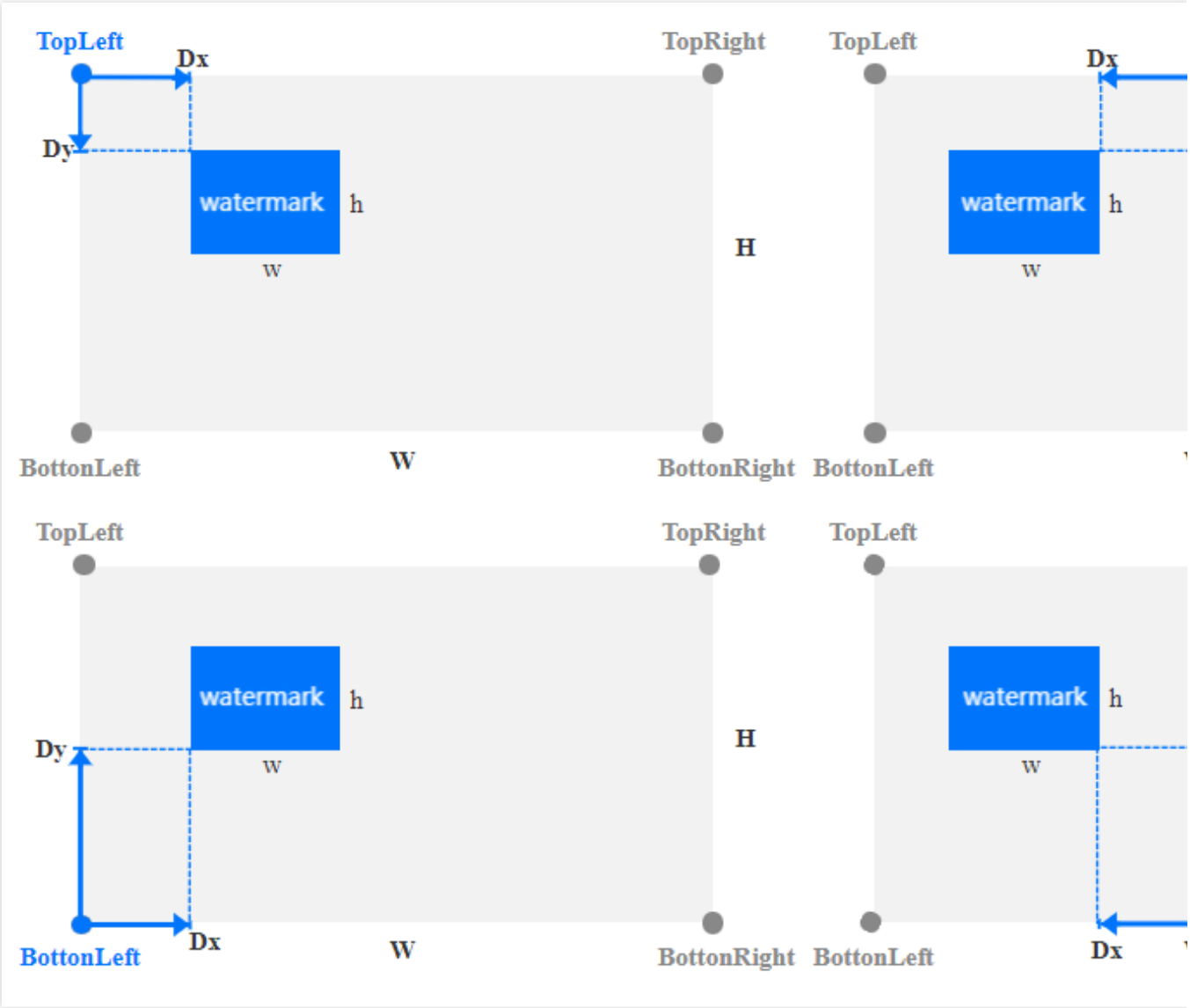
						4096]. 4. If only Width is se Height is calculated according t the original watermark image aspe ratio.
Height	Request.Watermark.Image	Height	String	No	None	1. If Mode i Original, th watermark image heig cannot be set. 2. If Mode i Proportion, the unit is % and the val range is [100, 300] the backgroun image and 100] for the foreground image. Compared with the video heigh the watermark image heig cannot be greater tha 4096 px. 3. If Mode i Fixed, the unit is px, and the val range is [8, 4096].

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						4. If only Height is se Width is calculated according t the original watermark image aspe ratio.
Transparency	Request.Watermark.Image	Transparency	String	Yes	None	Value rang [1, 100]. Ur %
Background	Request.Watermark.Image	Whether it is a background image	String	No	false	Valid value true, false.

Watermark position description:

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`Text` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
FontSize	Request.Watermark.Text	Font size	String	Yes	None	Value range: [5, 100]. Unit: px
FontType	Request.Watermark.Text	Font type	String	Yes	None	See the table below.
FontColor	Request.Watermark.Text	Font color	String	Yes	None	Format: 0xRRGGBB
Transparency	Request.Watermark.Text	Transparency	String	Yes	None	Value

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						range: [1, 100]. Unit: %
Text	Request.Watermark.Text	Watermark content	String	Yes	None	The value can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).

`FontType` has the following sub-nodes:

Font Name	Supported Language	Description
simfang.ttf	Chinese/English	FangSong
simhei.ttf	Chinese/English	SimHei
simkai.ttf	Chinese/English	KaiTi
simsun.ttc	Chinese/English	SimSun
STHeiti-Light.ttc	Chinese/English	STHeiti-Light
STHeiti-Medium.ttc	Chinese/English	STHeiti-Medium
youyuan.TTF	Chinese/English	YouYuan
ariblk.ttf	English	None
arial.ttf	English	None
ahronbd.ttf	English	None
Helvetica.dfont	English	None
HelveticaNeue.dfont	English	None

Response

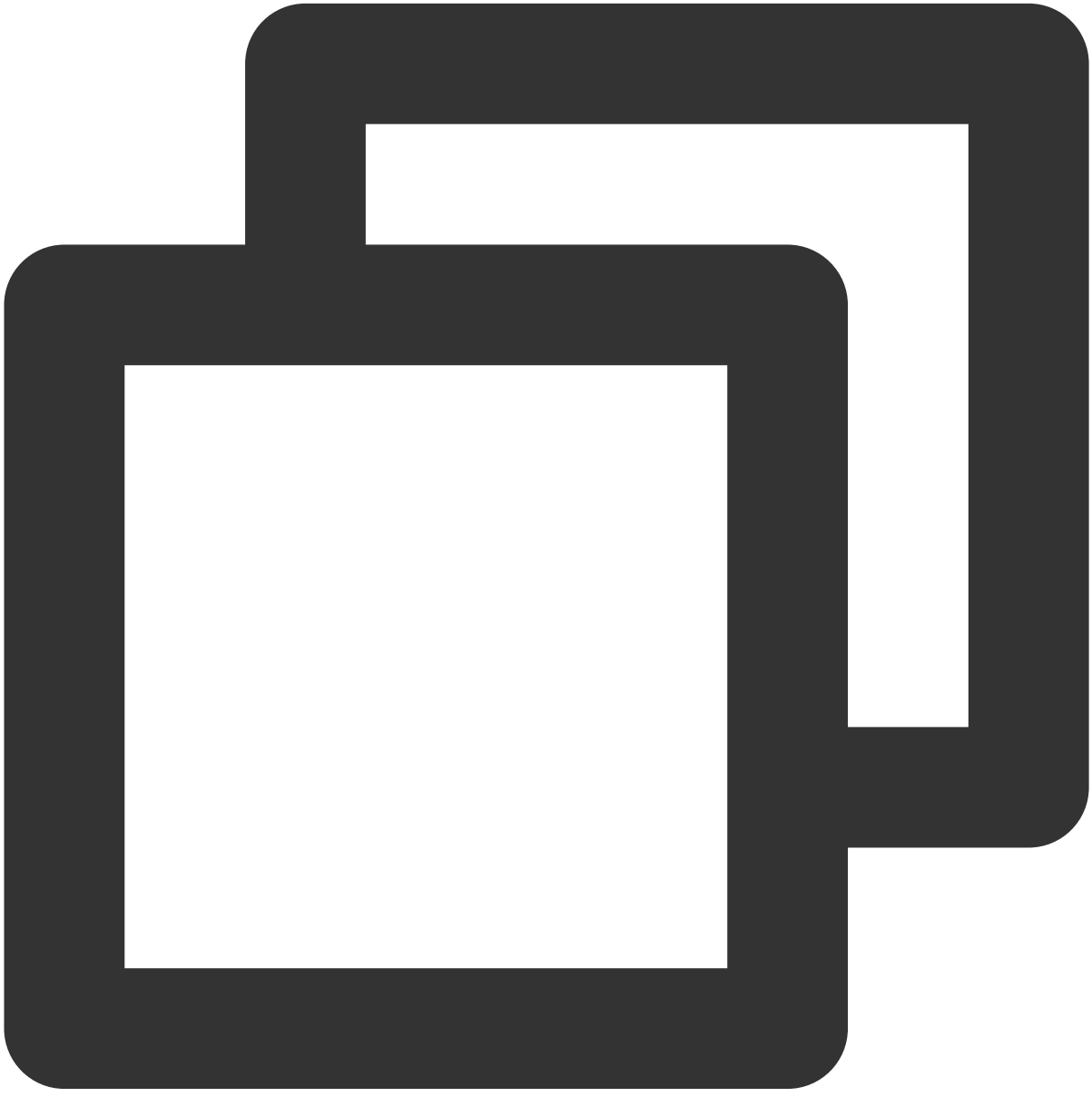
Response headers

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This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Tag>Watermark</Tag>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
```

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```
        <Category>Custom</Category>
        <Watermark>
            <Type>Text</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
            <Pos>TopRight</Pos>
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Text>
                <Text>Watermark content</Text>
                <FontSize>30</FontSize>
                <FontType></FontType>
                <FontColor>0xRRGGBB</FontColor>
                <Transparency>30</Transparency>
            </Text>
        </Watermark>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
Tag	Response.Template	Template type: VideoProcess	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
Watermark	Response.Template	Same as `Request.Watermark` in the	Container

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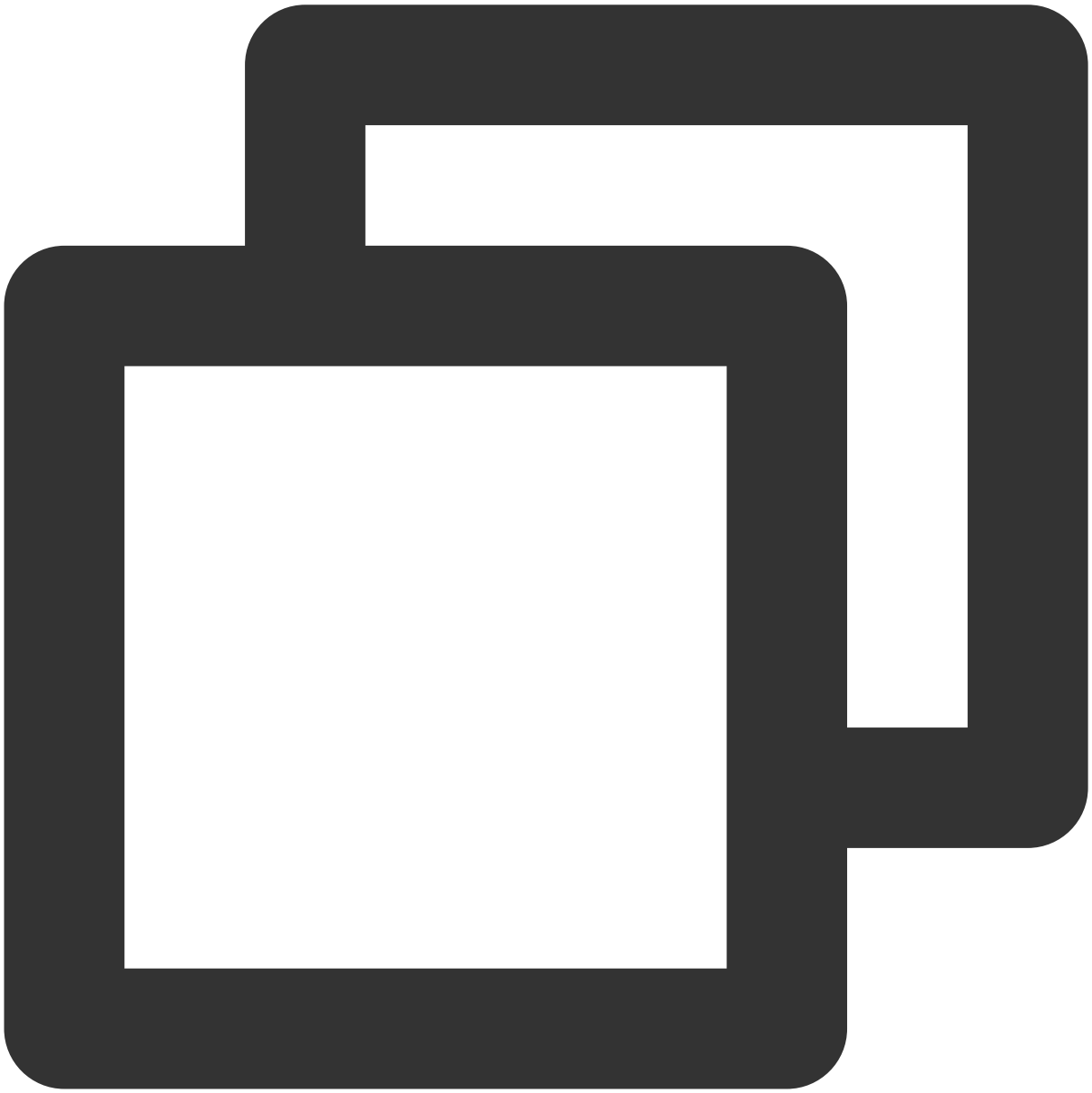
		request body.	

Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request 1: Text watermark



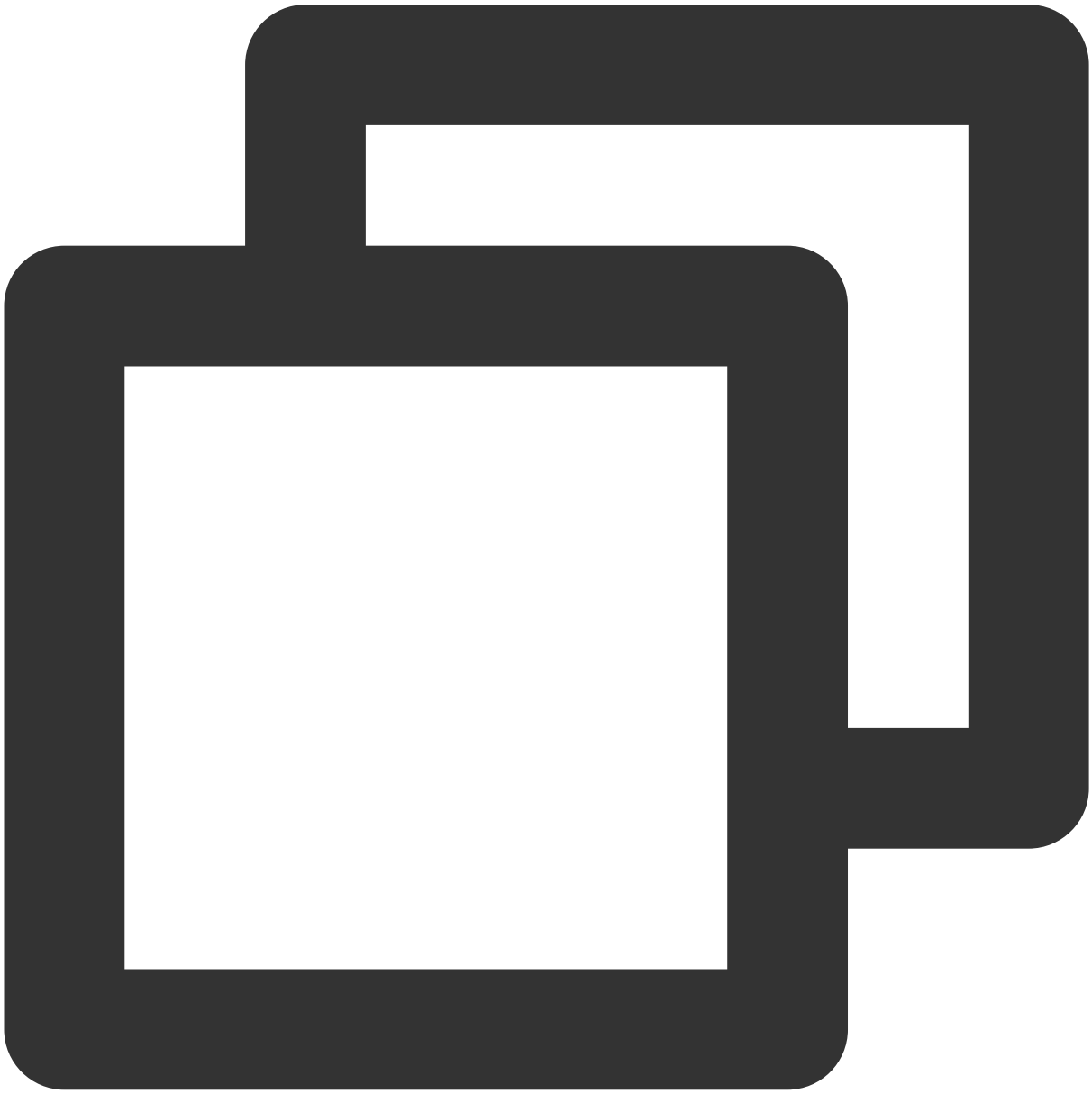
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```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0****&q-sign-tim
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
   <Tag>Watermark</Tag>
   <Name>TemplateName</Name>
   <Watermark>
      <Type>Text</Type>
      <LocMode>Absolute</LocMode>
      <Dx>128</Dx>
      <Dy>128</Dy>
      <Pos>TopRight</Pos>
      <StartTime>0</StartTime>
      <EndTime>100.5</EndTime>
      <Text>
        <Text>Watermark content</Text>
        <FontSize>30</FontSize>
        <FontType></FontType>
        <FontColor>0xRRGGBB</FontColor>
        <Transparency>30</Transparency>
      </Text>
   </Watermark>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

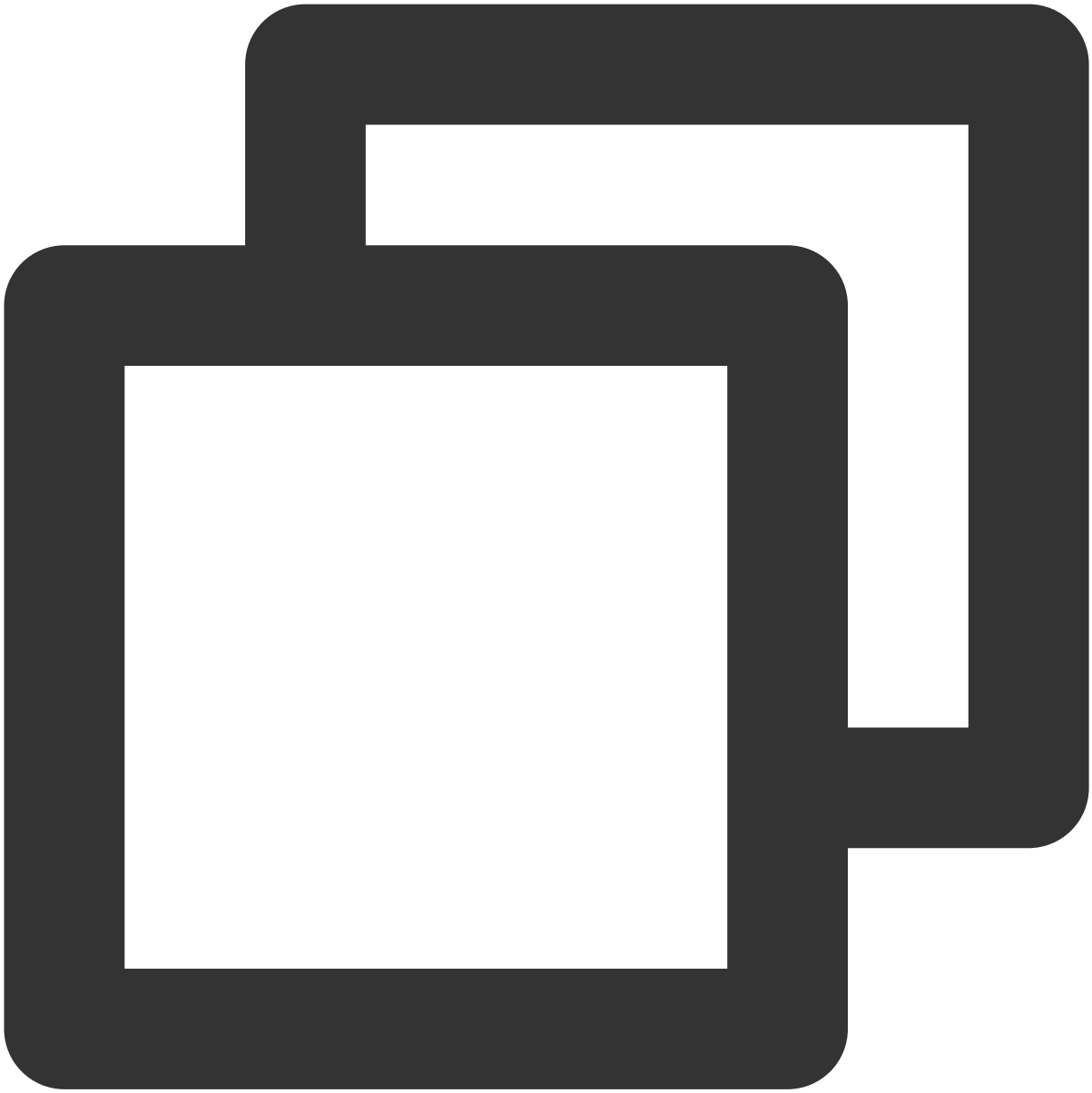
<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
        <Tag>Watermark</Tag>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <Watermark>
            <Type>Text</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
            <Pos>TopRight</Pos>
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Text>
                <Text>Watermark content</Text>
                <FontSize>30</FontSize>
                <FontType></FontType>
                <FontColor>0xRRGGBB</FontColor>
                <Transparency>30</Transparency>
            </Text>
        </Watermark>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

Request 2: Image watermark

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```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0****&q-sign-tim
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

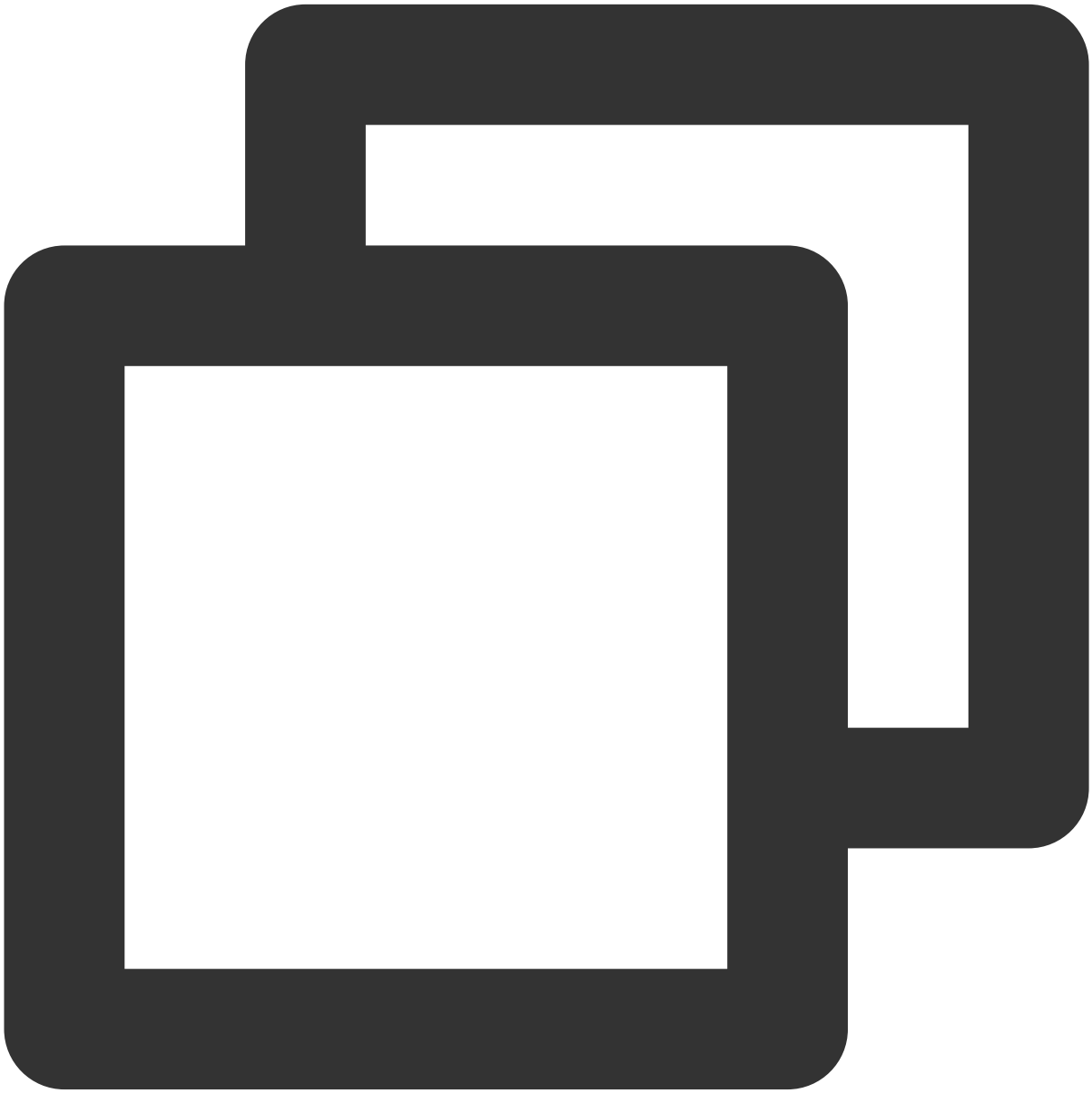
<Request>
   <Tag>Watermark</Tag>
   <Name>TemplateName</Name>
   <Watermark>
      <Type>Image</Type>
```

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```
        <LocMode>Absolute</LocMode>
        <Dx>128</Dx>
        <Dy>128</Dy>
        <Pos>TopRight</Pos>
        <StartTime>0</StartTime>
        <EndTime>100.5</EndTime>
        <Image>
          <Url>http://test-1234567890.ci.ap-beijing.myqcloud.com/shuiyin_2.png</Url>
          <Mode>Proportion</Mode>
          <Width>10</Width>
          <Height>10</Height>
          <Transparency>30</Transparency>
        </Image>
    </Watermark>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
        <Tag>Watermark</Tag>
        <Name>TemplateName</Name>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <Watermark>
            <Type>Image</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
            <Pos>TopRight</Pos>
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Image>
                <Url>http://test-1234567890.ci.ap-beijing.myqcloud.com/shuiyin_2.pn
                <Mode>Proportion</Mode>
                <Width>10</Width>
                <Height>10</Height>
                <Transparency>30</Transparency>
            </Image>
        </Watermark>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Creating Intelligent Thumbnail Template

Last updated：2024-02-27 15:52:05

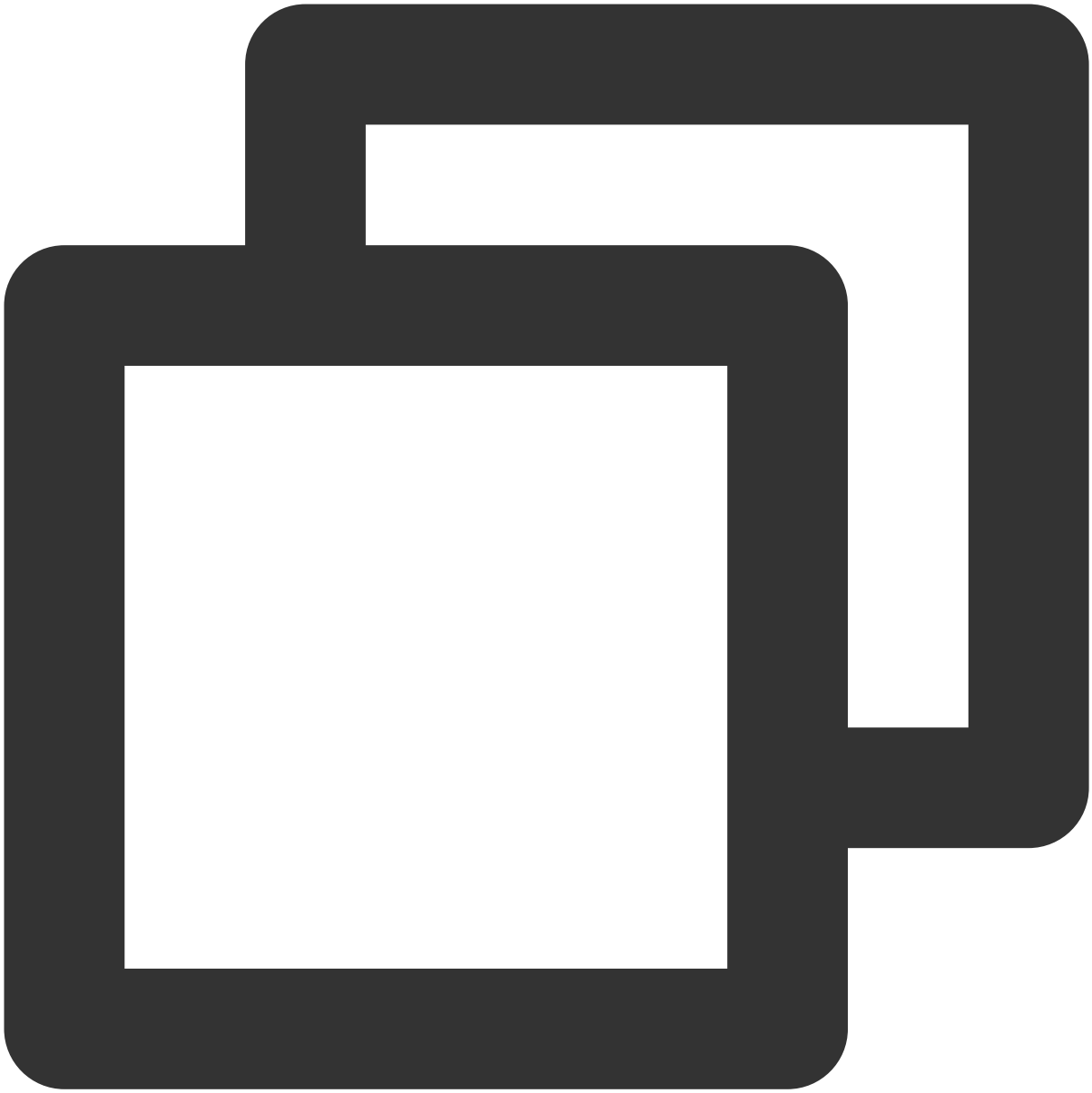
Feature Description

This API is used to create an intelligent thumbnail template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

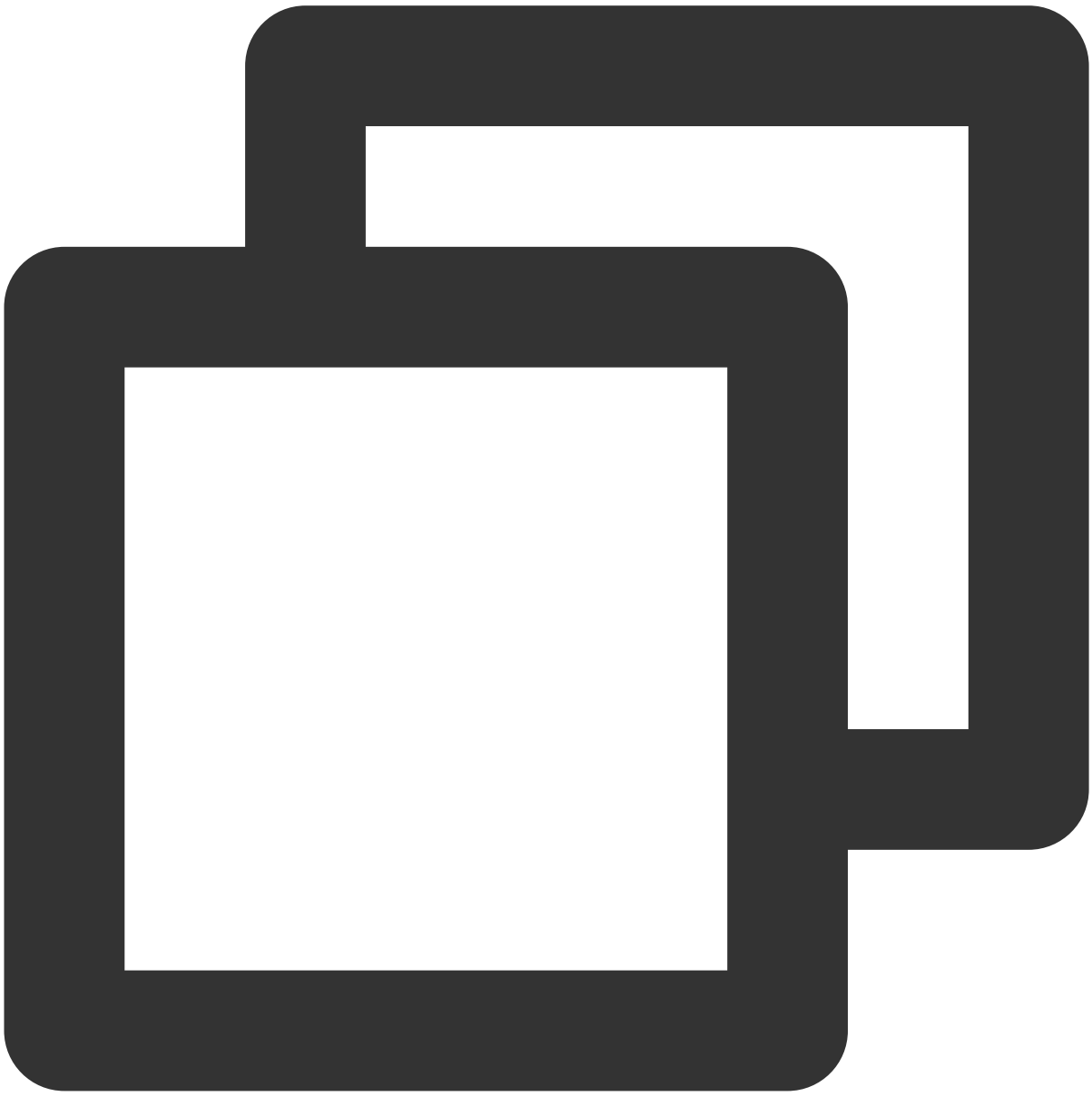
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SmartCover</Tag>
    <Name>TemplateName</Name>
    <SmartCover>
        <Format>jpg</Format>
        <Width>1280</Width>
        <Height>960</Height>
        <Count>10</Count>
        <DeleteDuplicates>true</DeleteDuplicates>
    </SmartCover>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Tag	Request	Template tag: SmartCover	String	Yes
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes
SmartCover	Request	Intelligent thumbnail parameter	Container	Yes

`SmartCover` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Format	Request.SmartCover	Image format	String	No	jpg	jpg, png, webp
Width	Request.SmartCover	Width	String	No	Original video width	Value range: [128, 4096] Unit: px If only Width is set, Height is calculated

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						based on the original video aspect ratio.
Height	Request.SmartCover	Height	String	No	Original video height	Value range: [128, 4096] Unit: px If only Height is set, Width is calculated based on the original video aspect ratio.
Count	Request.SmartCover	Number of screenshots	String	No	3	[1,10]
DeleteDuplicates	Request.SmartCover	Whether to deduplicate thumbnails.	String	No	false	true/false

Response

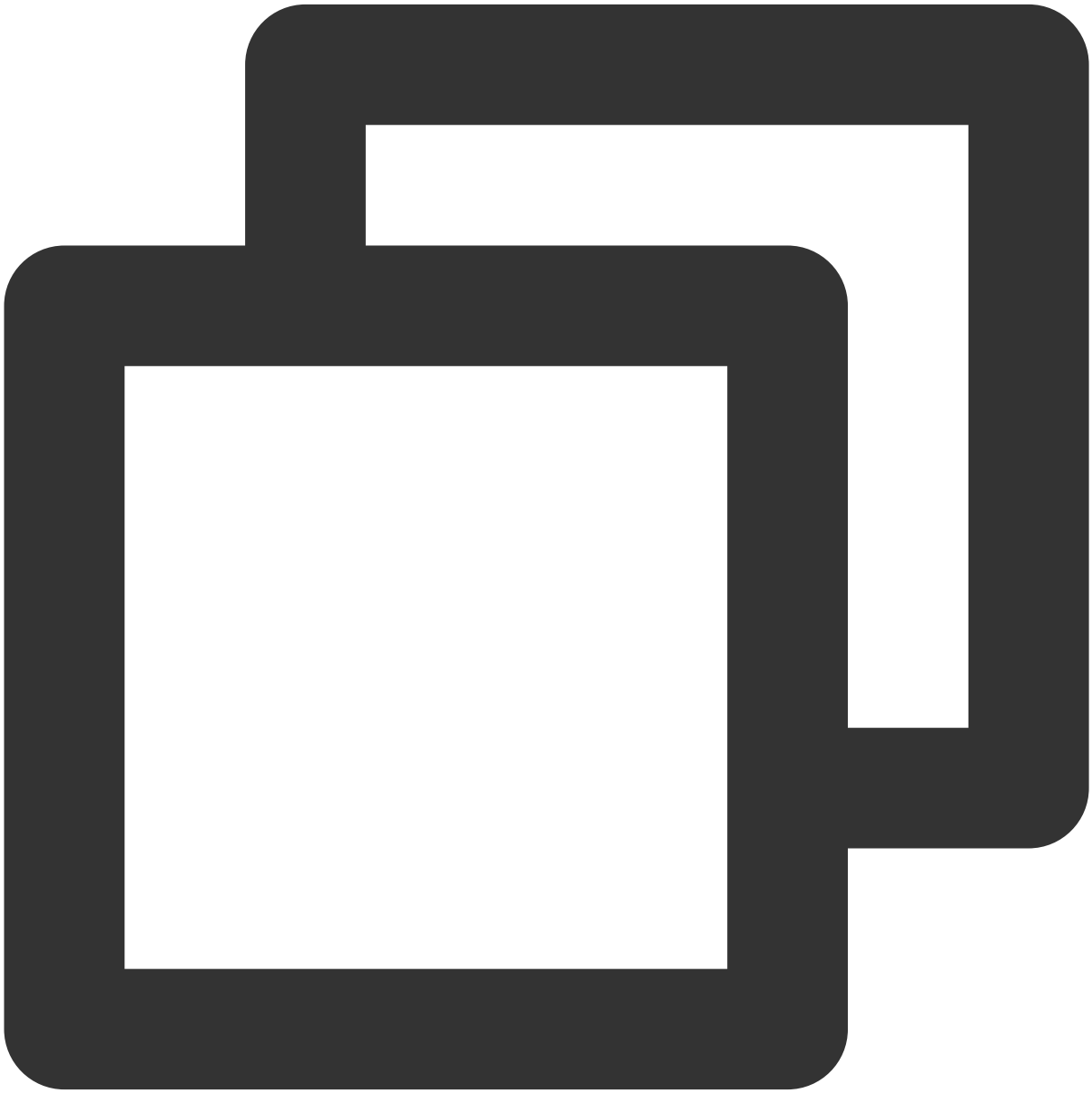
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>SmartCover</Tag>
        <Name>TemplateName</Name>
        <TemplateId>t1f43110a08702470b8fa75894629501fa</TemplateId>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SmartCover>
            <Width>1280</Width>
            <Height>960</Height>
            <Format>jpg</Format>
```

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```
            <Count>5</Count>
            <DeleteDuplicates>false</DeleteDuplicates>
        </SmartCover>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Tag	Response.Template	Template tag: SmartCover	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
TemplateId	Response.Template	Template ID	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
SmartCover	Response.Template	Template parameter, which is the same as `SmartCover` in the request body.	Container

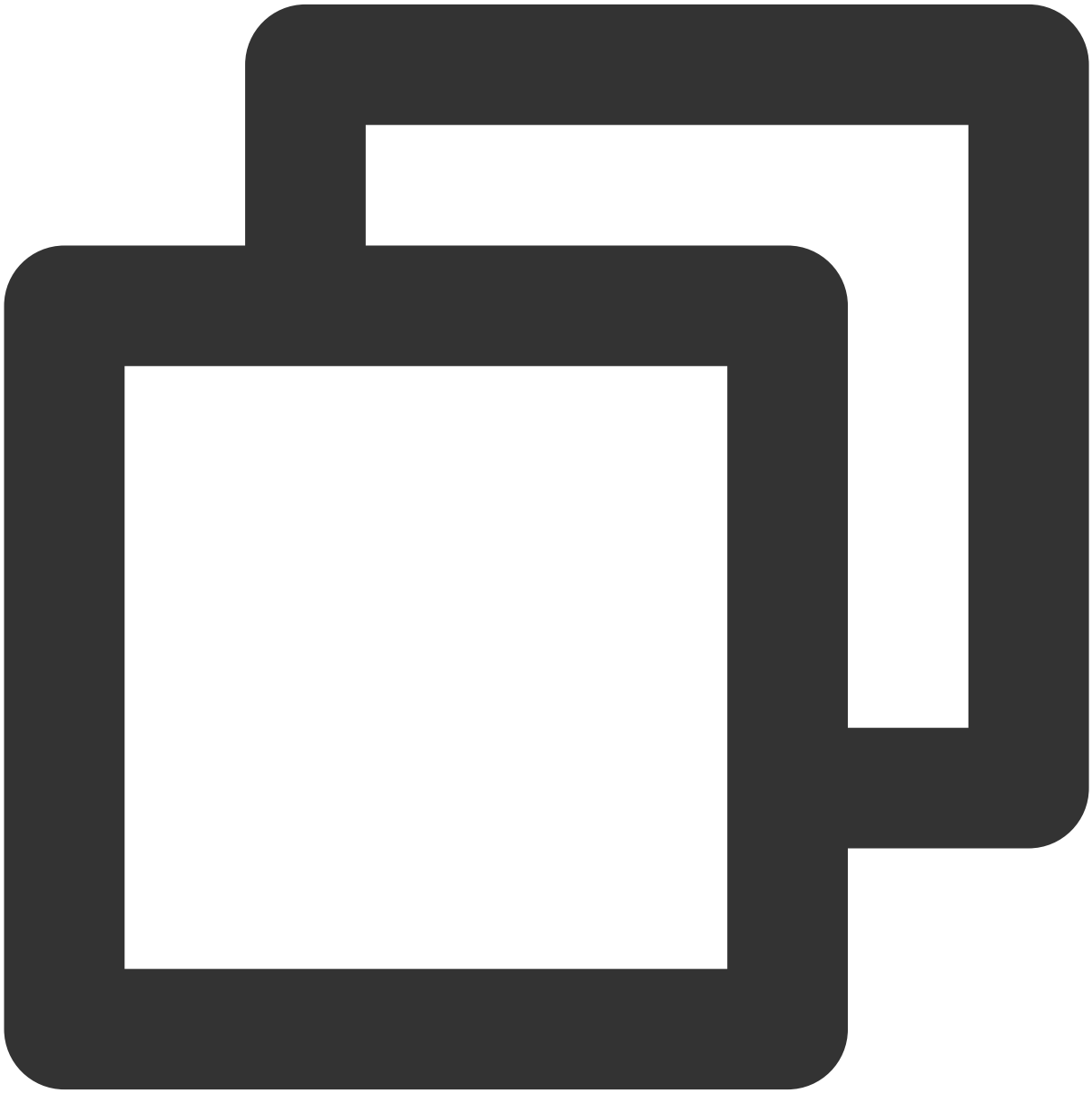
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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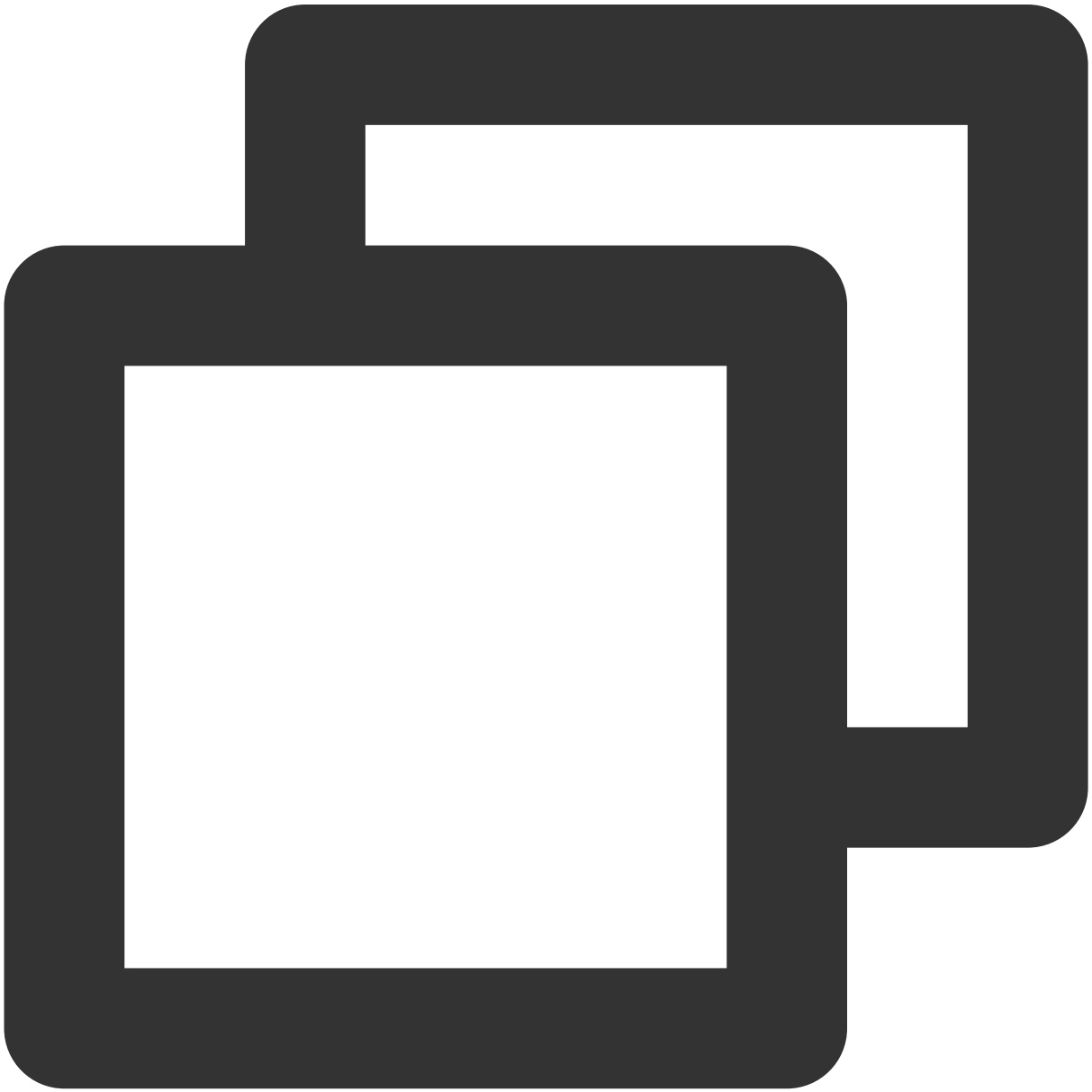
```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>SmartCover</Tag>
    <Name>TemplateName</Name>
    <SmartCover>
        <Format>jpg</Format>
```

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```
        <Width>1280</Width>
        <Height>960</Height>
        <Count>10</Count>
        <DeleteDuplicates>true</DeleteDuplicates>
    </SmartCover>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
```

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```
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <Template>
        <Tag>SmartCover</Tag>
        <Name>TemplateName</Name>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SmartCover>
            <Format>jpg</Format>
            <Width>1280</Width>
            <Height>960</Height>
            <Count>10</Count>
            <DeleteDuplicates>true</DeleteDuplicates>
        </SmartCover>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Deleting Media Processing Template DeleteMediaTemplate

Last updated：2024-02-27 15:58:00

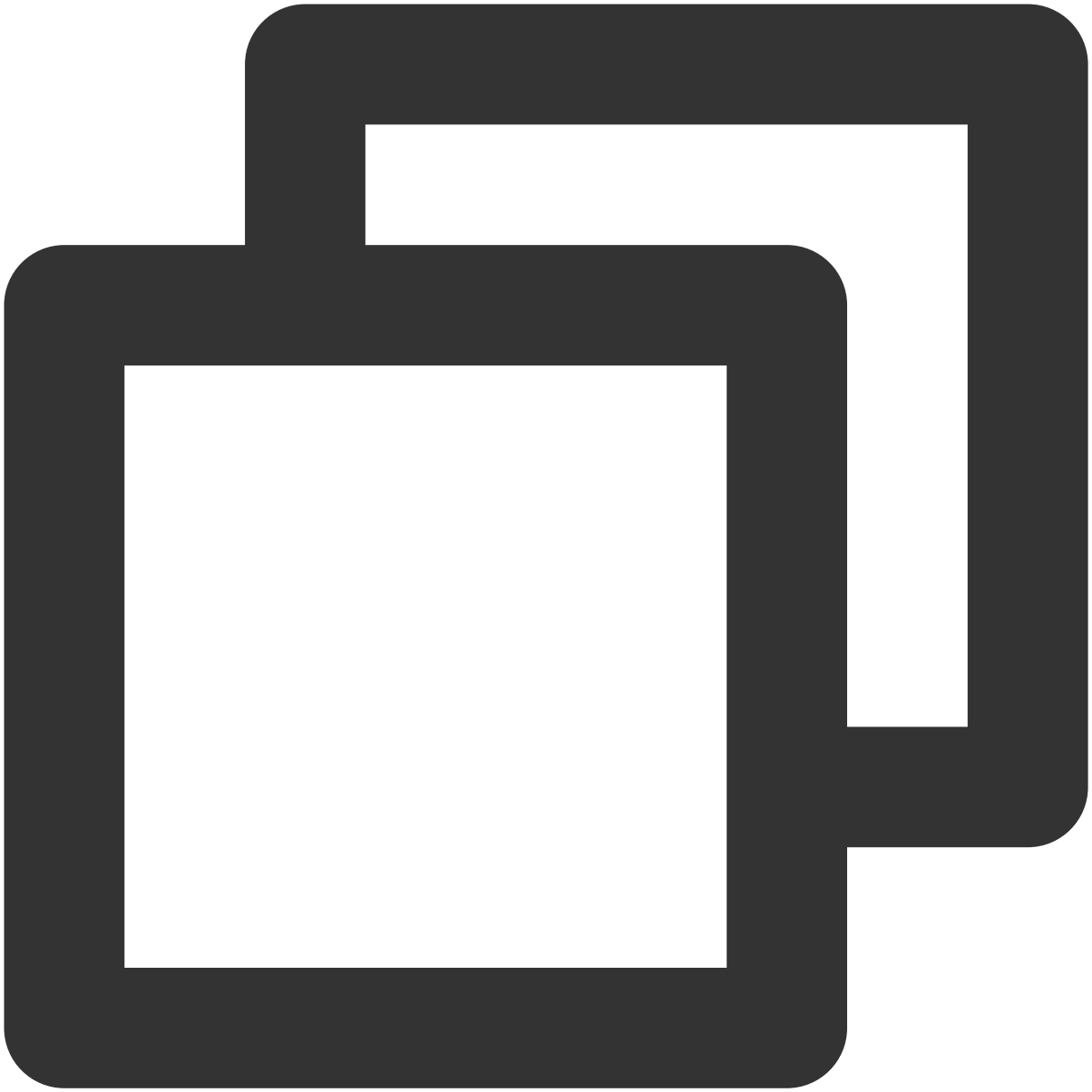
Feature Description

This API is used to delete a template.

Request

Sample request

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```
DELETE /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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Request headers

Common request headers

This API uses common request headers. For more information, see Common Request Headers.

Non-common request headers

This request operation does not use any non-common request headers.

Request body

The request body of this request is empty.

Response

Response headers

Common response headers

This response contains common response headers. For more information, see Common Response Headers.

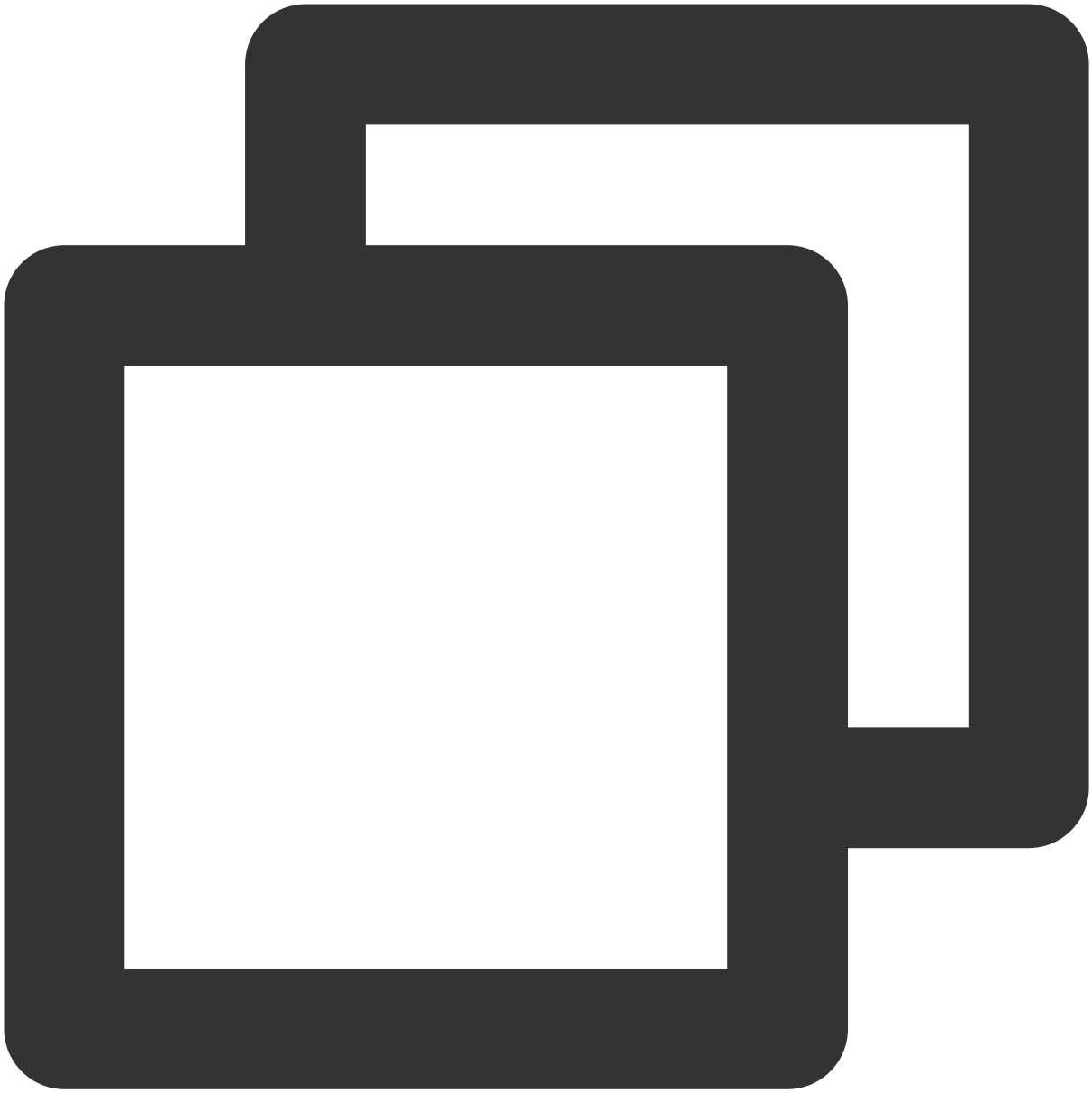
Non-common response headers

This response does not use any non-common response header.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhfMjc=</RequestId>
    <TemplateId>A</TemplateId>
<Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

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`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
TemplateId	Response	ID of the deleted template	String

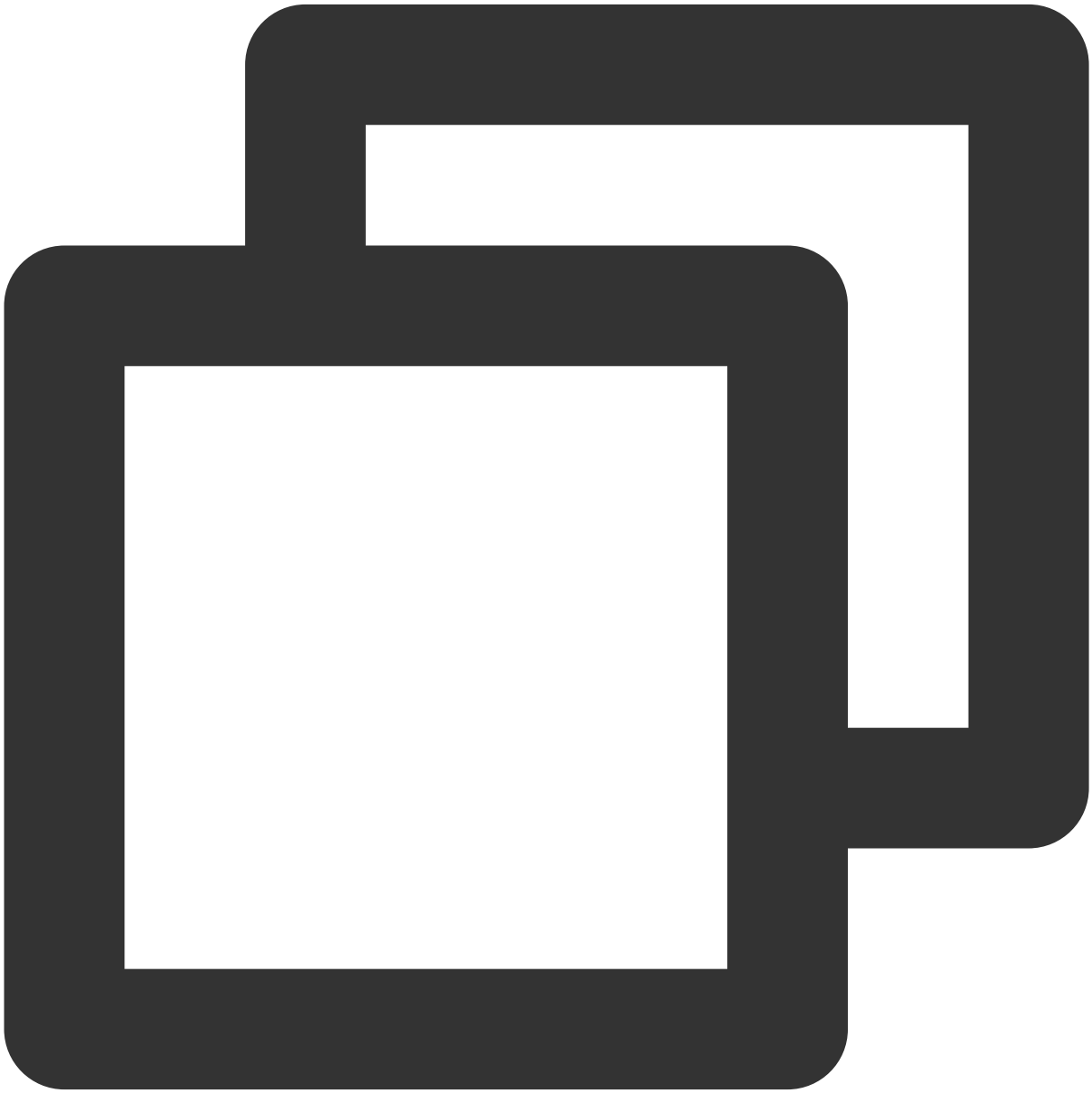
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

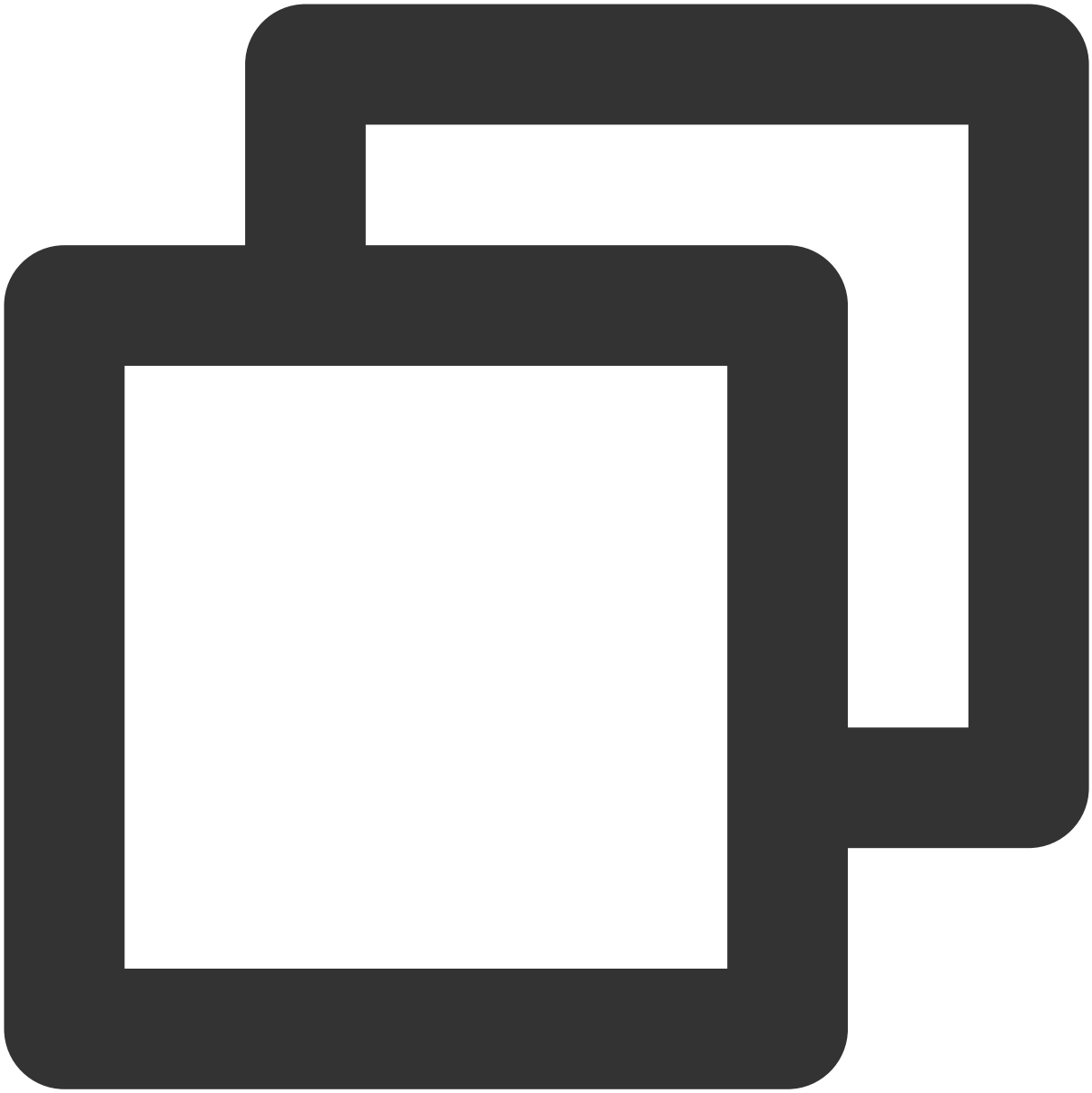
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```
DELETE /template/t143ae6e040af6431aa772c9ec3f0a3f36 HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR98****-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NjJjYmU0YmRfOTBmYTUwNjRfODhjXzE=

<Response>
    <RequestId>NjJjYmU0YmRfOTBmYTUwNjRfODhjXzE=</RequestId>
    <TemplateId>t143ae6e040af6431aa772c9ec3f0a3f36</TemplateId>
```

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```
<Response>
```

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Querying Media Processing Template DescribeMediaTemplates

Last updated：2024-03-04 10:16:48

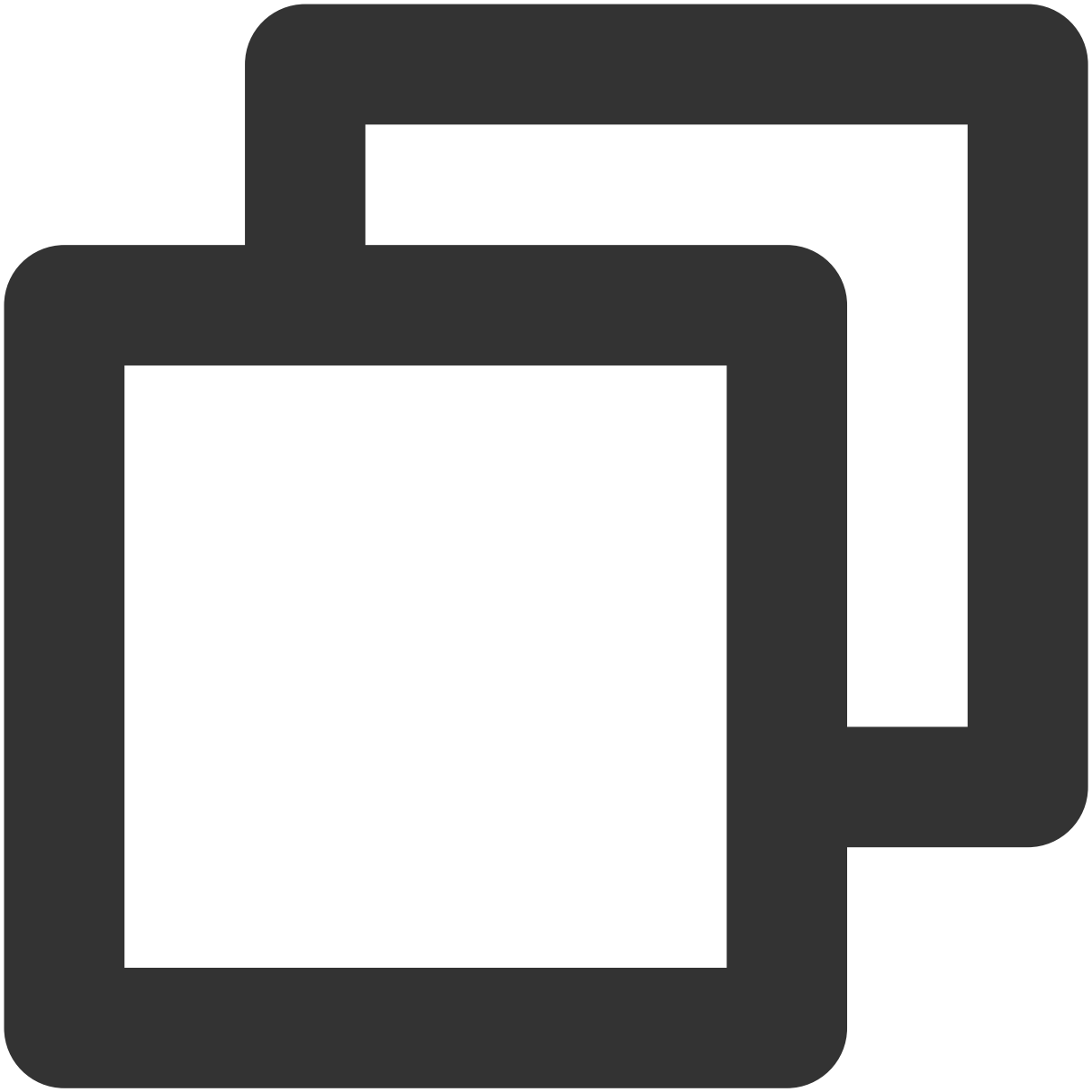
Feature Description

This API is used to query a template.

Request

Sample request

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```
GET /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (for more information, see Request Signature).

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

The parameters are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
tag	None	Template tag. Default value: `All`.	String	No
category	None	Valid values: `Official` (system preset template); `Custom` (custom template). Default value: `Custom`.	String	No
ids	None	Template ID. If you enter multiple IDs, separate them by comma.	String	No
name	None	Template name prefix	String	No
pageNumber	None	Page number. Default value: `1`.	Integer	No
pageSize	None	Number of entries per page. Default value: `10`.	Integer	No

Supported `tag` types are as follows:

Template type	tag
Audio/Video transcoding	Transcode
Video-to-animated image conversion	Animation
Screenshot	Snapshot
Audio/Video splicing	Concat
Voice/Sound separation	VoiceSeparate
Video montage	VideoMontage
Video enhancement	VideoProcess
Super resolution	SuperResolution
Image/Text watermark	Watermark

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Text to speech	Tts
Professional audio/video transcoding	TranscodePro
Top speed codec transcoding	HighSpeedHd

Response

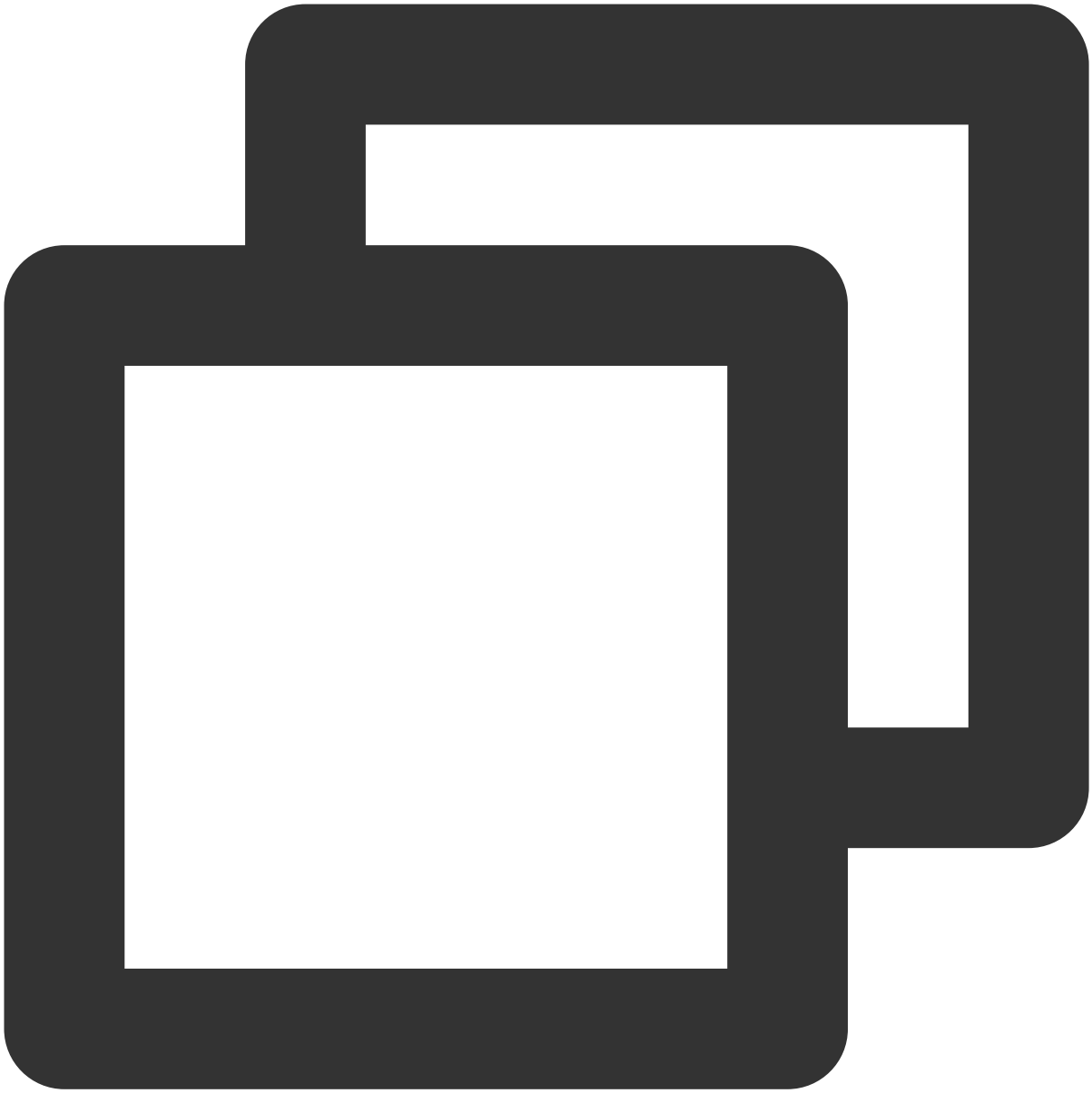
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhfMjc=</RequestId>
    <TotalCount>1</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <TemplateList>
        <TemplateId>A</TemplateId>
        <Name>TemplateName</Name>
        <Tag>Transcode</Tag>
        <TransTpl>
            <Container>
```

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```
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Profile>high</Profile>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Preset>medium</Preset>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <AdjDarMethod>scale</AdjDarMethod>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </TransTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </TemplateList>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request.	String
TotalCount	Response	Total number of templates	Int
PageNumber	Response	Current page number, which is the same as	Int

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		`pageNumber` in the request.	
PageSize	Response	Number of entries per page, which is the same as `pageSize` in the request.	Int
TemplateList	Response	Template array	Container array

For different types of templates, the `TemplateList` content is the same as the `Response` of the corresponding template creation API. For more information, see:

Creating Audio/Video Transcoding Template
Creating Animated Image Template
Creating Screenshot Template
Creating Splicing Template
Creating Voice/Sound Separation Template
Creating Video Montage Template
Creating Video Enhancement Template
Creating Super Resolution Template
Creating Watermark Template
Creating Text-to-Speech Template
Creating Professional Transcoding Template
Creating Top Speed Codec Transcoding Template

Error codes

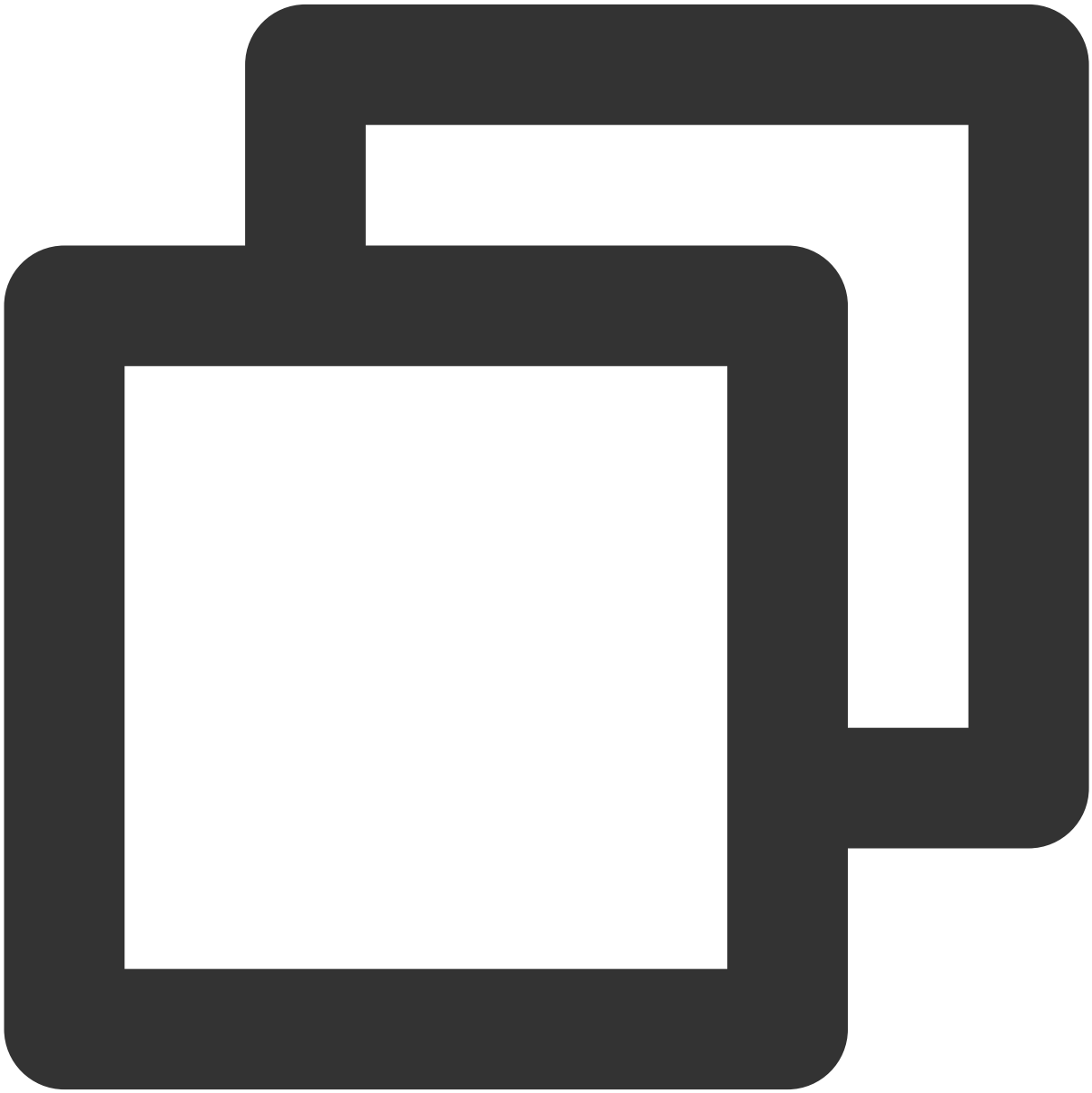
There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Sample 1. Querying by template ID

Request

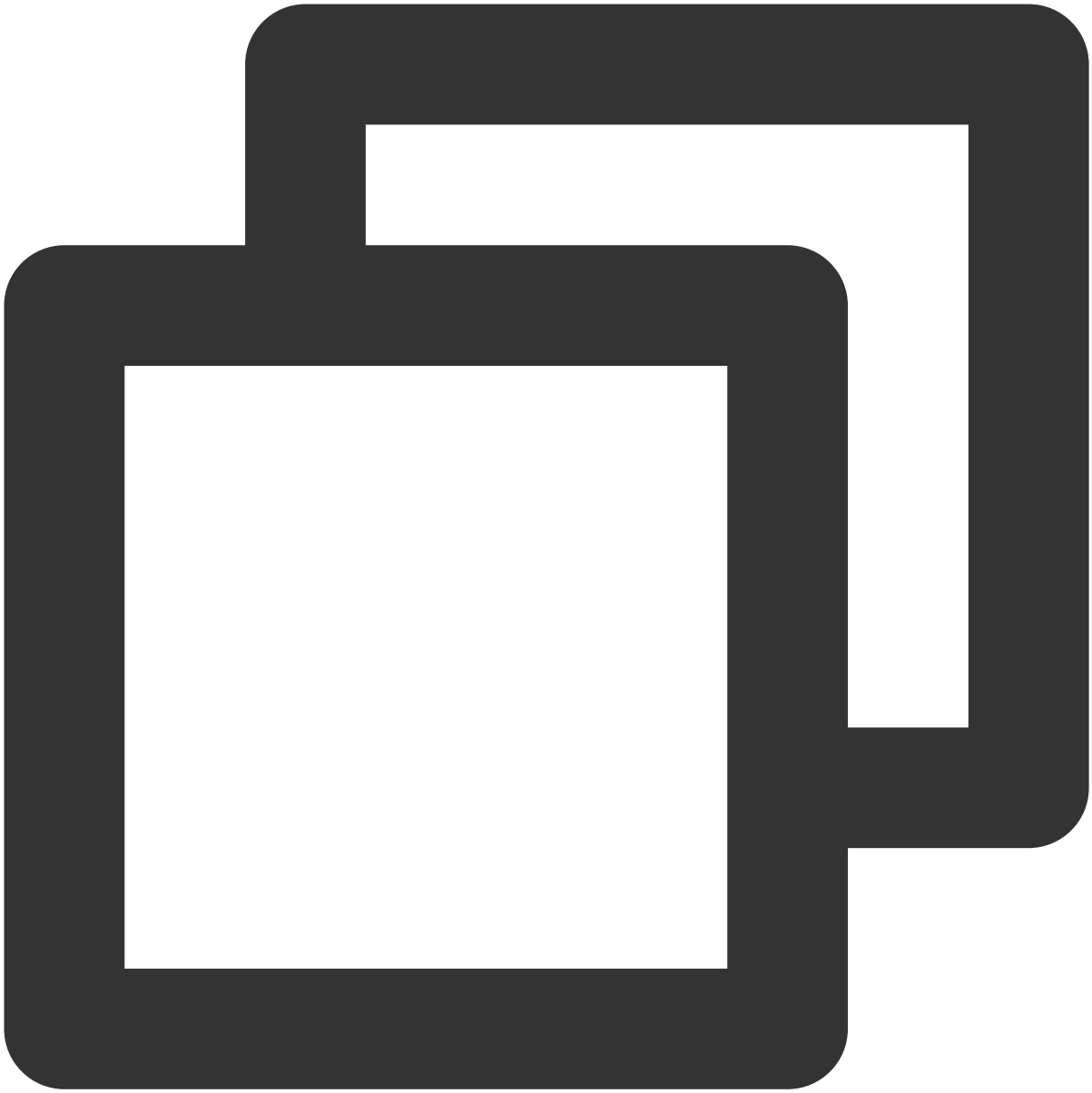
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```
GET /template?ids=t1847cd4ca57f543e89f551dbe68169eb9,t1a30a323f55434a29b25bf2a16bdf
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TemplateList>
```

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```
        <TemplateId>t1847cd4ca57f543e89f551dbe68169eb9</TemplateId>
        <Name>TemplateName</Name>
        <Tag>Transcode</Tag>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <TransTpl>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Profile>high</Profile>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Preset>medium</Preset>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <AdjDarMethod>scale</AdjDarMethod>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </TransTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </TemplateList>
    <TemplateList>
        <TemplateId>t140325e8918ac423da53b7d78dbbab564</TemplateId>
        <Name>template_name3544697</Name>
        <Tag>Concat</Tag>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <ConcatTemplate>
            <ConcatFragment>
                <Mode>Start</Mode>
                <Url>https://test-1234567890.cos.ap-chongqing.myqcloud.com/input/ad
            </ConcatFragment>
```

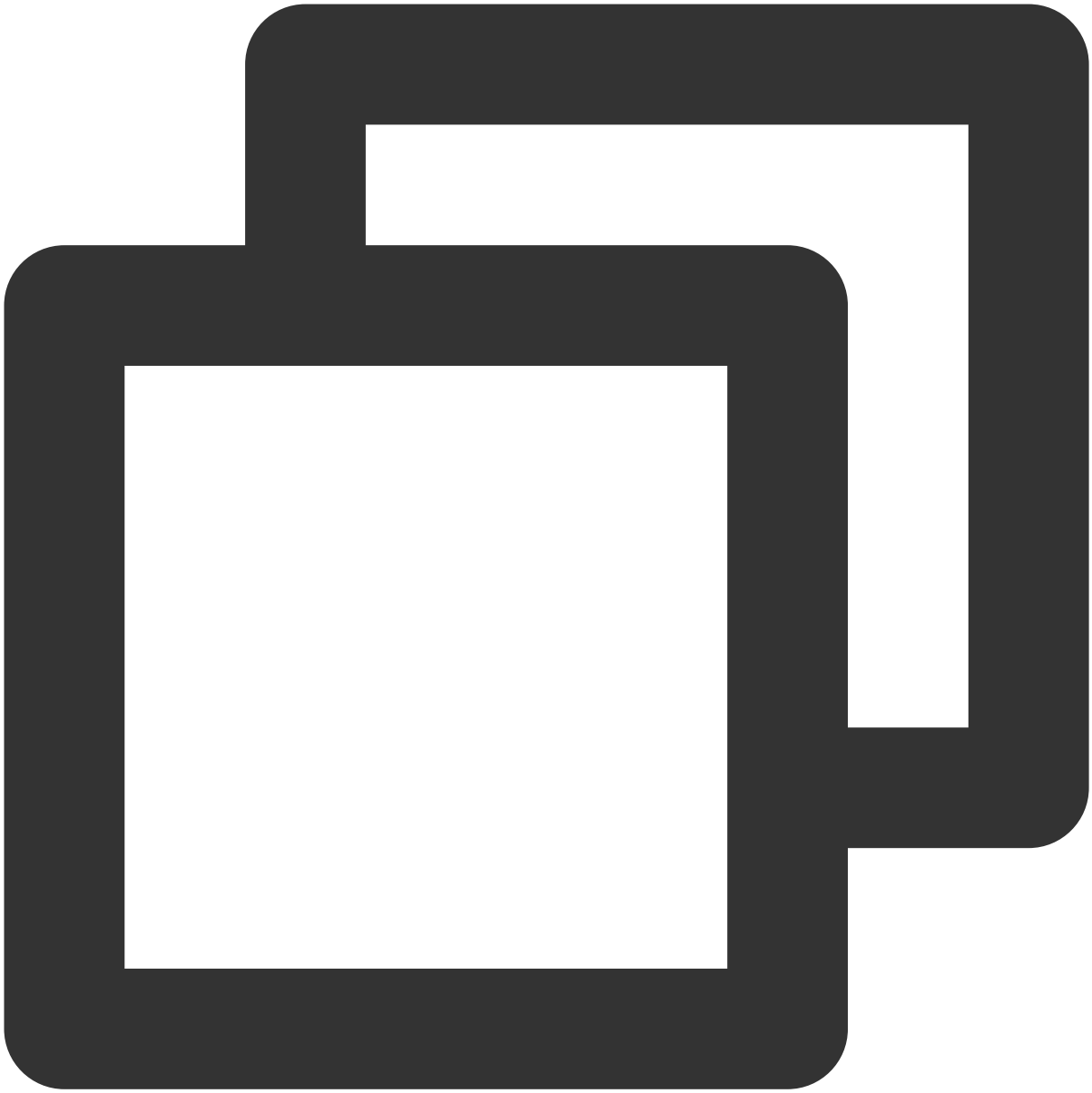
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```
            <Audio>
                <Codec>aac</Codec>
                <Samplerate/>
                <Bitrate/>
                <Channels/>
                <Remove>false</Remove>
            </Audio>
            <Video>
                <Codec>H.264</Codec>
                <Width>1280</Width>
                <Height>960</Height>
                <Fps>15</Fps>
                <Remove>false</Remove>
                <Crf>25</Crf>
            </Video>
            <Container>
                <Format>mp4</Format>
            </Container>
            <DirectConcat>false</DirectConcat>
        </ConcatTemplate>
        <CreateTime>2022-06-29T14:37:44+0800</CreateTime>
        <UpdateTime>2022-06-29T14:37:44+0800</UpdateTime>
    </TemplateList>
    <NonExistTIDs>
        <TemplateId>C</TemplateId>
    </NonExistTIDs>
</Response>
```

Sample 2. Querying by paginated list

Request

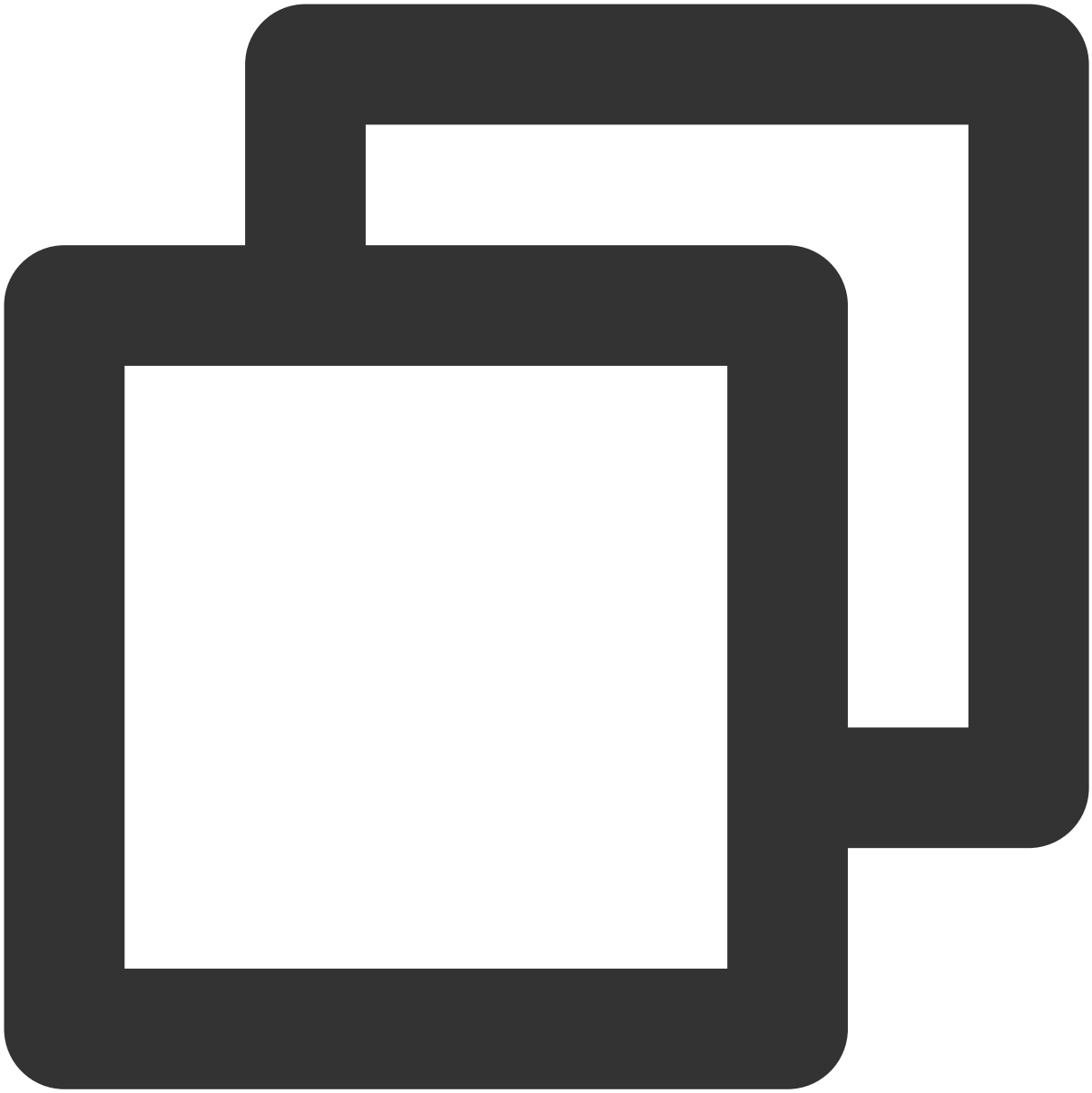
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```
GET /template?pageSize=10&pageNumber=1 HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TotalCount>2</TotalCount>
```

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```
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <TemplateList>
        <TemplateId>t1847cd4ca57f543e89f551dbe68169eb9</TemplateId>
        <Name>TemplateName</Name>
        <Tag>Transcode</Tag>
        <TransTpl>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Profile>high</Profile>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Preset>medium</Preset>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <AdjDarMethod>scale</AdjDarMethod>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </TransTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </TemplateList>
    <TemplateList>
        <TemplateId>t140325e8918ac423da53b7d78dbbab564</TemplateId>
        <Name>template_name3544697</Name>
        <Tag>Concat</Tag>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <ConcatTemplate>
            <ConcatFragment>
                <Mode>Start</Mode>
                <Url>https://test-1234567890.cos.ap-chongqing.myqcloud.com/input/ad
```

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```
            </ConcatFragment>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate/>
                <Bitrate/>
                <Channels/>
                <Remove>false</Remove>
            </Audio>
            <Video>
                <Codec>H.264</Codec>
                <Width>1280</Width>
                <Height>960</Height>
                <Fps>15</Fps>
                <Remove>false</Remove>
                <Crf>25</Crf>
            </Video>
            <Container>
                <Format>mp4</Format>
            </Container>
            <DirectConcat>false</DirectConcat>
        </ConcatTemplate>
        <CreateTime>2022-06-29T14:37:44+0800</CreateTime>
        <UpdateTime>2022-06-29T14:37:44+0800</UpdateTime>
    </TemplateList>
</Response>
```

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Updating Template
Updating Animated Image Template

Last updated：2024-02-27 15:58:00

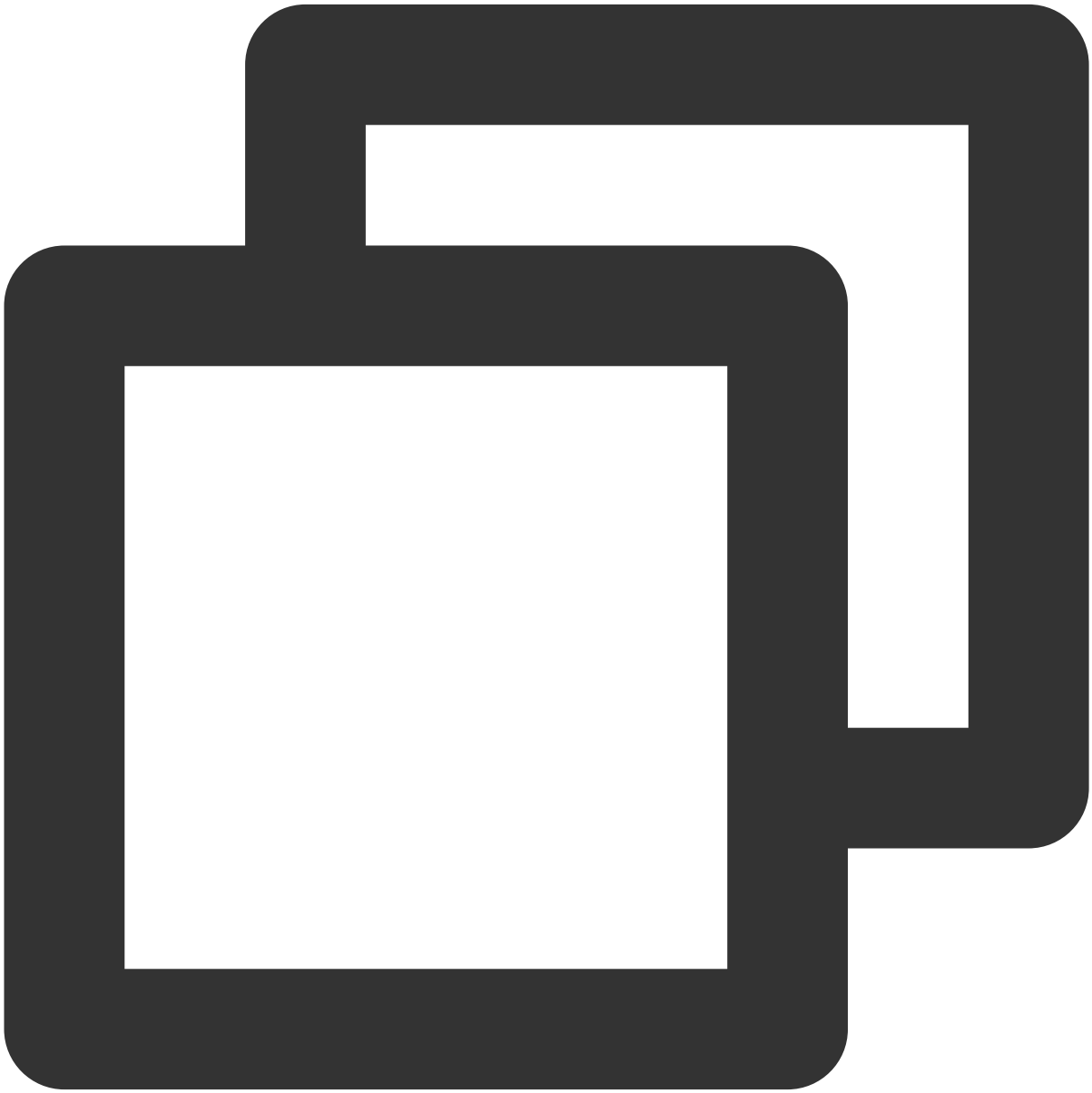
Feature Description

This API is used to update an animated image template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

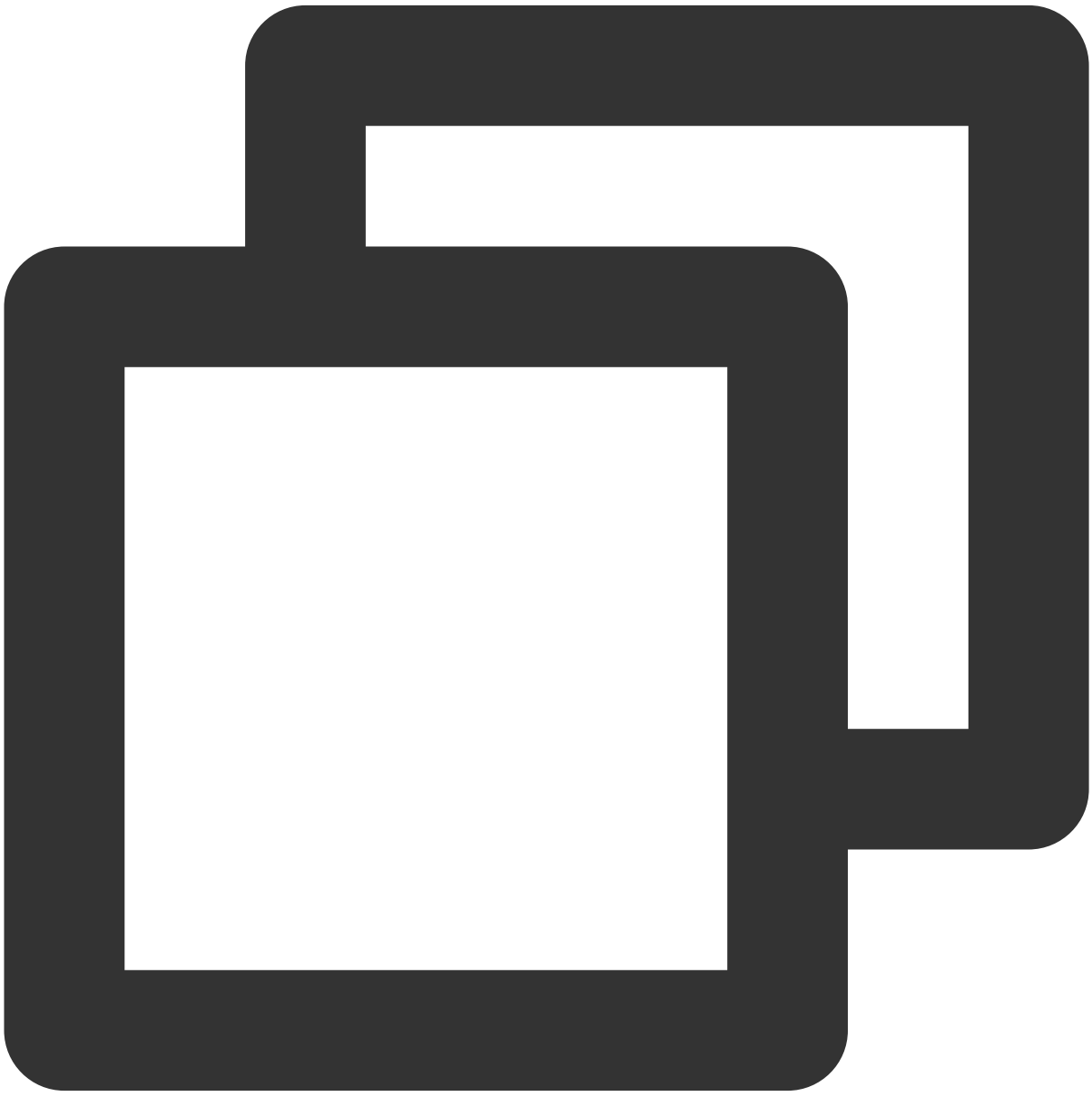
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Animation</Tag>
    <Name>TemplateName</Name>
    <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
    <Container>
        <Format>gif</Format>
    </Container>
    <Video>
        <Codec>gif</Codec>
        <Width>1280</Width>
        <Height></Height>
        <Fps>15</Fps>
        <AnimateOnlyKeepKeyFrame>false</AnimateOnlyKeepKeyFrame>
    </Video>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the animated image template creation API.	Container	Yes

Response

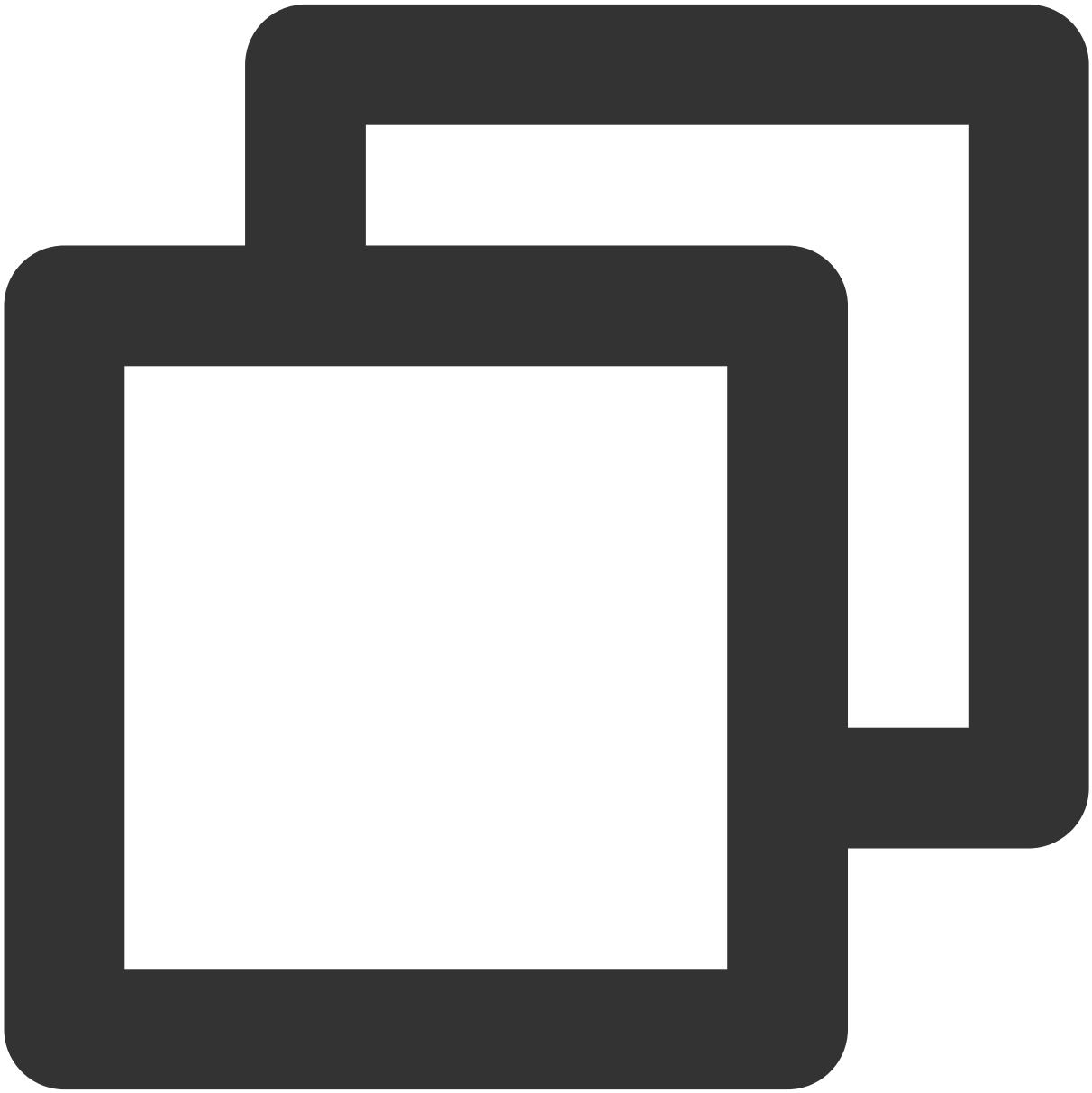
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>Animation</Tag>
        <Name>TemplateName</Name>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <TransTpl>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>gif</Codec>
```

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```
                <Width>1280</Width>
                <Height></Height>
                <Fps>15</Fps>
                <AnimateOnlyKeepKeyFrame>false</AnimateOnlyKeepKeyFrame>
            </Video>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </TransTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the animated image template creation API.	Container

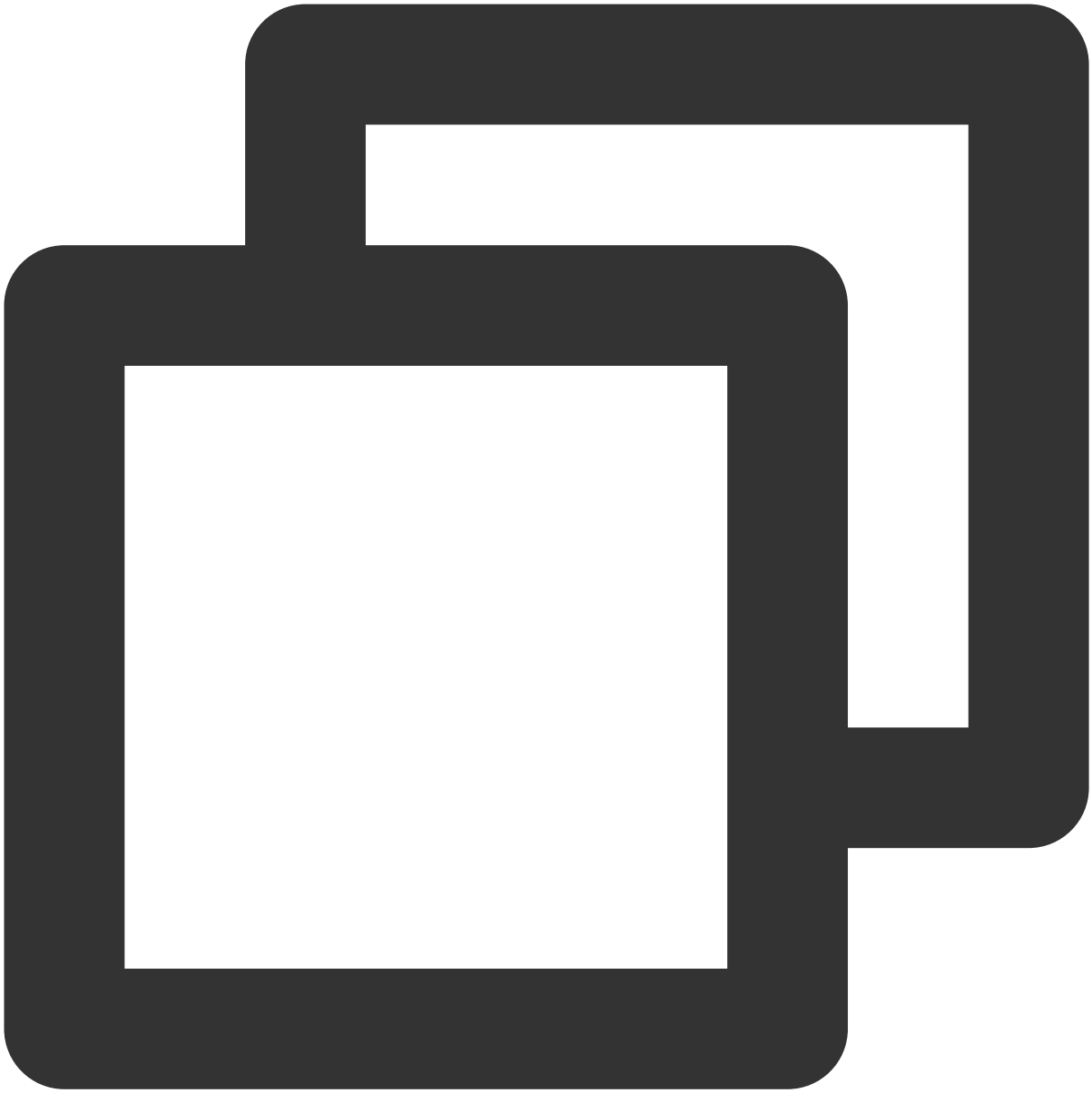
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1f16e1dfbdc994105b31292d45710642a HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

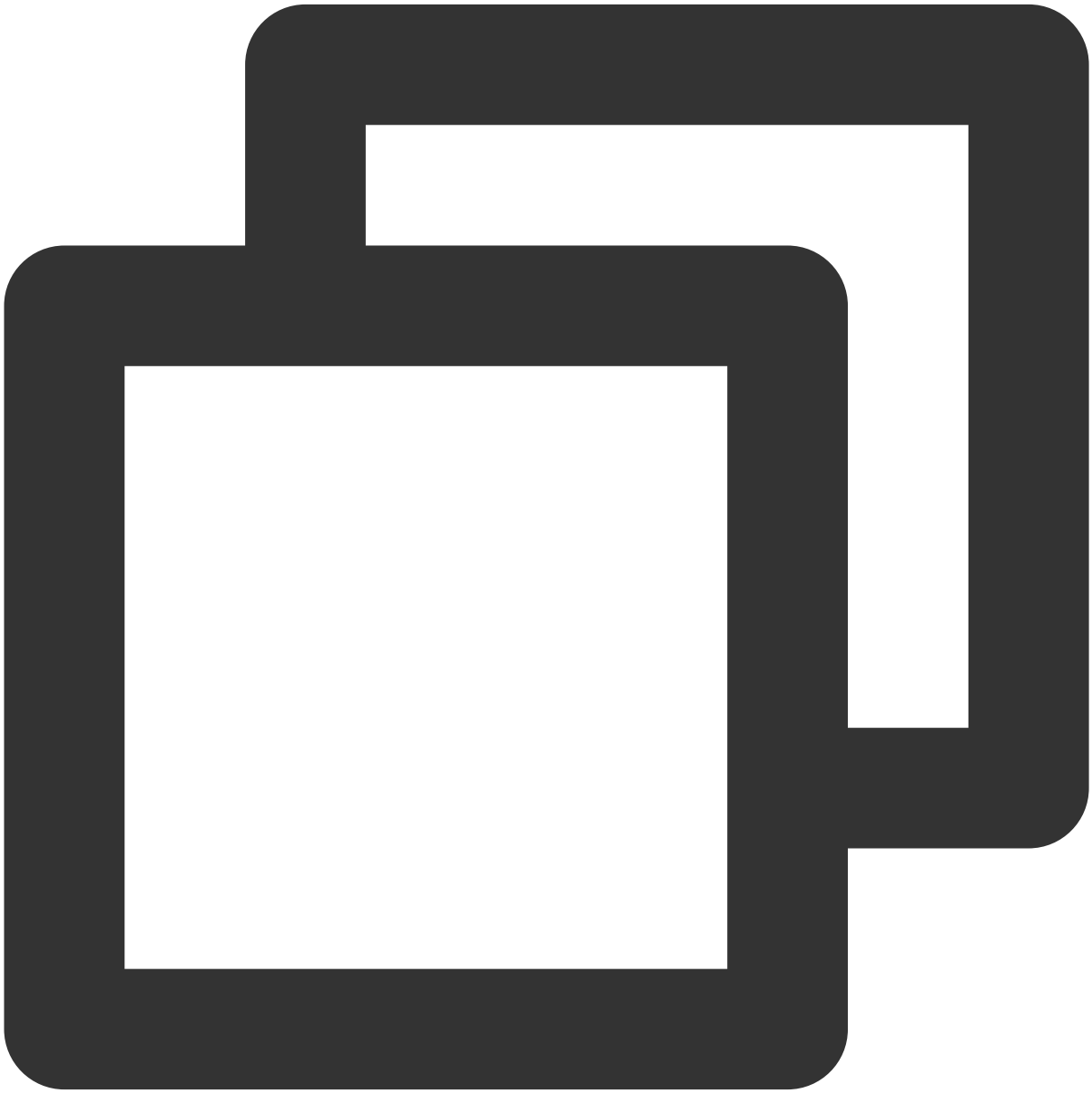
<Request>
    <Tag>Animation</Tag>
    <Name>TemplateName</Name>
    <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
    <Container>
```

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```
        <Format>gif</Format>
    </Container>
    <Video>
        <Codec>gif</Codec>
        <Width>1280</Width>
        <Height></Height>
        <Fps>15</Fps>
        <AnimateOnlyKeepKeyFrame>false</AnimateOnlyKeepKeyFrame>
    </Video>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <Tag>Animation</Tag>
    <Name>TemplateName</Name>
```

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```
    <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
    <TransTpl>
      <Container>
         <Format>mp4</Format>
      </Container>
      <Video>
        <Codec>gif</Codec>
        <Width>1280</Width>
        <Height></Height>
        <Fps>15</Fps>
        <AnimateOnlyKeepKeyFrame>false</AnimateOnlyKeepKeyFrame>
      </Video>
      <TimeInterval>
         <Start>0</Start>
         <Duration>60</Duration>
      </TimeInterval>
   </TransTpl>
   <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
   <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
</Response>
```

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Updating Splicing Template

Last updated：2024-02-27 15:58:00

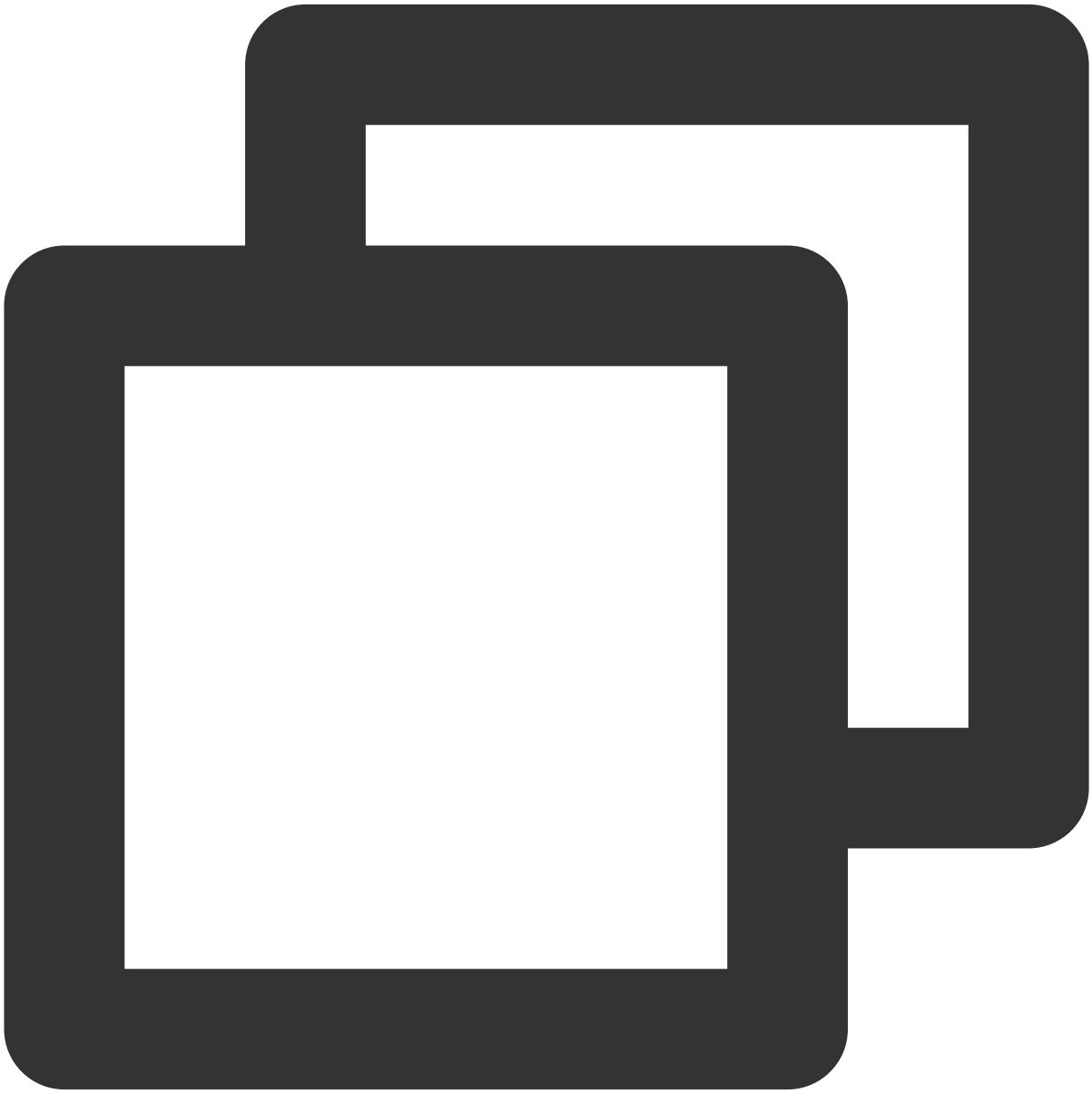
Feature Description

This API is used to update a splicing template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

Common request headers

This API uses common request headers. For more information, see Common Request Headers.

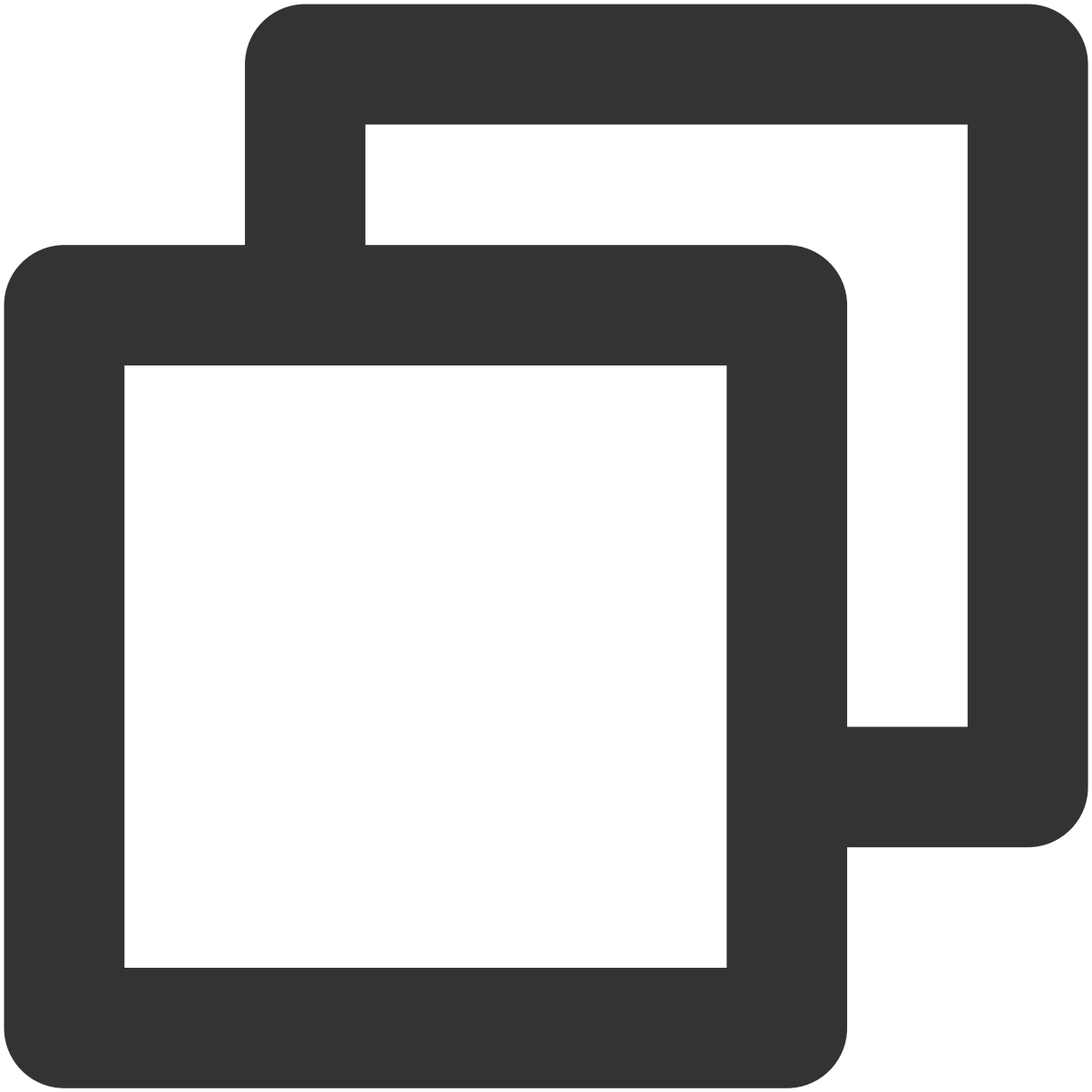
Non-common request headers

This request operation does not use any non-common request headers.

Request body

This request requires the following request body:

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```
<Request>
    <Tag>Concat</Tag>
    <Name>TemplateName</Name>
    <ConcatTemplate>
        <ConcatFragment>
            <Mode>Start</Mode>
            <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/start.mp4</Ur
        </ConcatFragment>
        <ConcatFragment>
            <Mode>End</Mode>
            <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/end.mp4</Url>
```

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```
        </ConcatFragment>
        <Audio>
            <Codec>mp3</Codec>
            <Samplerate></Samplerate>
            <Bitrate></Bitrate>
            <Channels></Channels>
        </Audio>
        <Video>
            <Codec>H.264</Codec>
            <Bitrate>1000</Bitrate>
            <Width>1280</Width>
            <Height></Height>
            <Fps>30</Fps>
        </Video>
        <Container>
            <Format>mp4</Format>
        </Container>
        <AudioMix>
            <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3</Au
            <MixMode>Once</MixMode>
            <Replace>true</Replace>
            <EffectConfig>
                <EnableStartFadein>true</EnableStartFadein>
                <StartFadeinTime>3</StartFadeinTime>
                <EnableEndFadeout>false</EnableEndFadeout>
                <EndFadeoutTime>0</EndFadeoutTime>
                <EnableBgmFade>true</EnableBgmFade>
                <BgmFadeTime>1.7</BgmFadeTime>
            </EffectConfig>
        </AudioMix>
    </ConcatTemplate>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Request	None	Same as Request in the splicing template creation API.	Container

Response

Response headers

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Common response headers

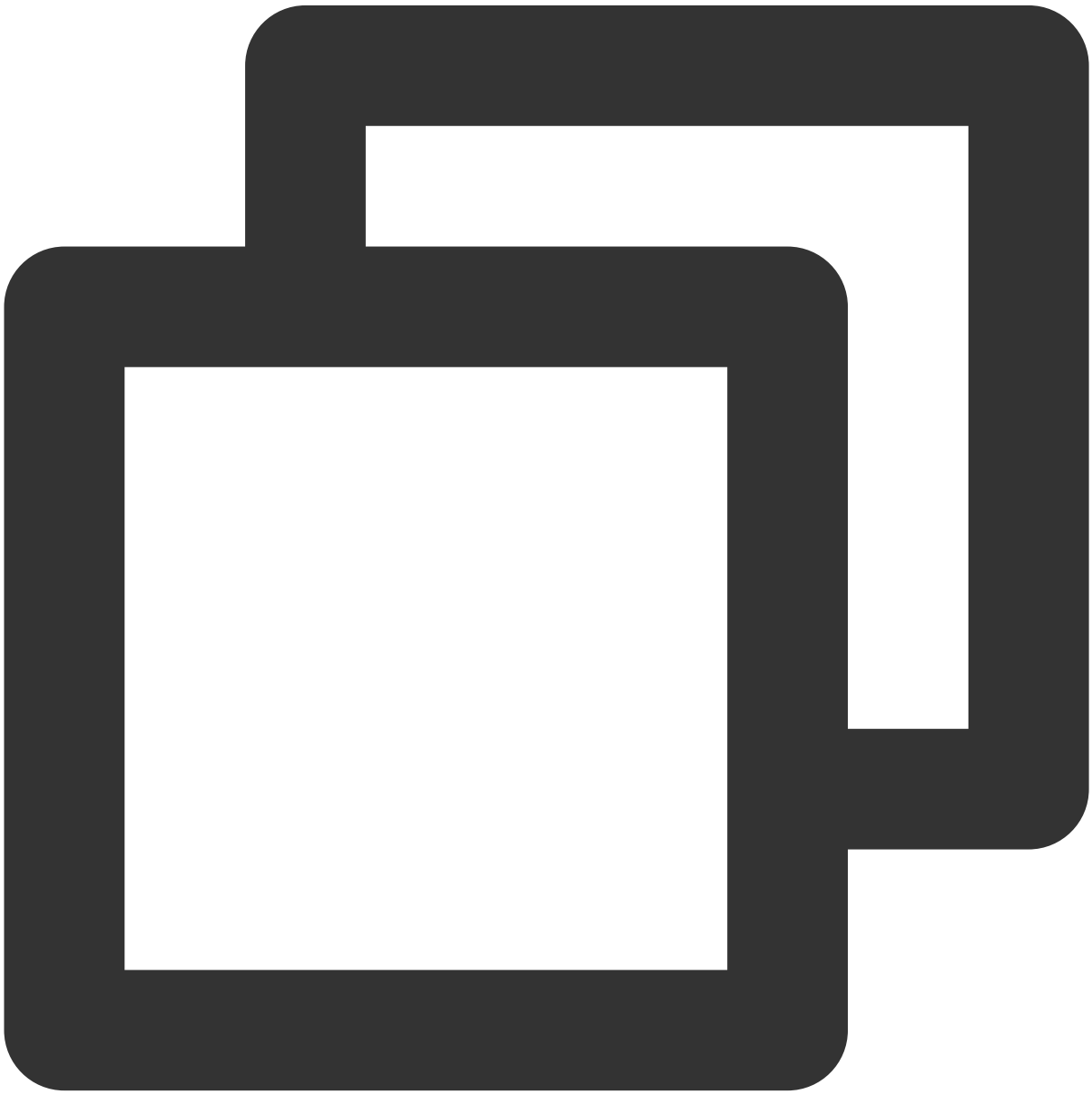
This response contains common response headers. For more information, see Common Response Headers.

Non-common response headers

This response does not use any non-common response header.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
```

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```
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Tag>Concat</Tag>
        <Name>TemplateName</Name>
        <ConcatTemplate>
            <ConcatFragment>
                <Mode>Start</Mode>
                <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/start.mp4
            </ConcatFragment>
            <ConcatFragment>
                <Mode>End</Mode>
                <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/end.mp4</
            </ConcatFragment>
            <Audio>
                <Codec>mp3</Codec>
                <Samplerate></Samplerate>
                <Bitrate></Bitrate>
                <Channels></Channels>
            </Audio>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Height></Height>
                <Fps>30</Fps>
            </Video>
            <Container>
                <Format>mp4</Format>
            </Container>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
                <EffectConfig>
                    <EnableStartFadein>true</EnableStartFadein>
                    <StartFadeinTime>3</StartFadeinTime>
                    <EnableEndFadeout>false</EnableEndFadeout>
                    <EndFadeoutTime>0</EndFadeoutTime>
                    <EnableBgmFade>true</EnableBgmFade>
                    <BgmFadeTime>1.7</BgmFadeTime>
                </EffectConfig>
            </AudioMix>
        </ConcatTemplate>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the splicing template creation API.	Container

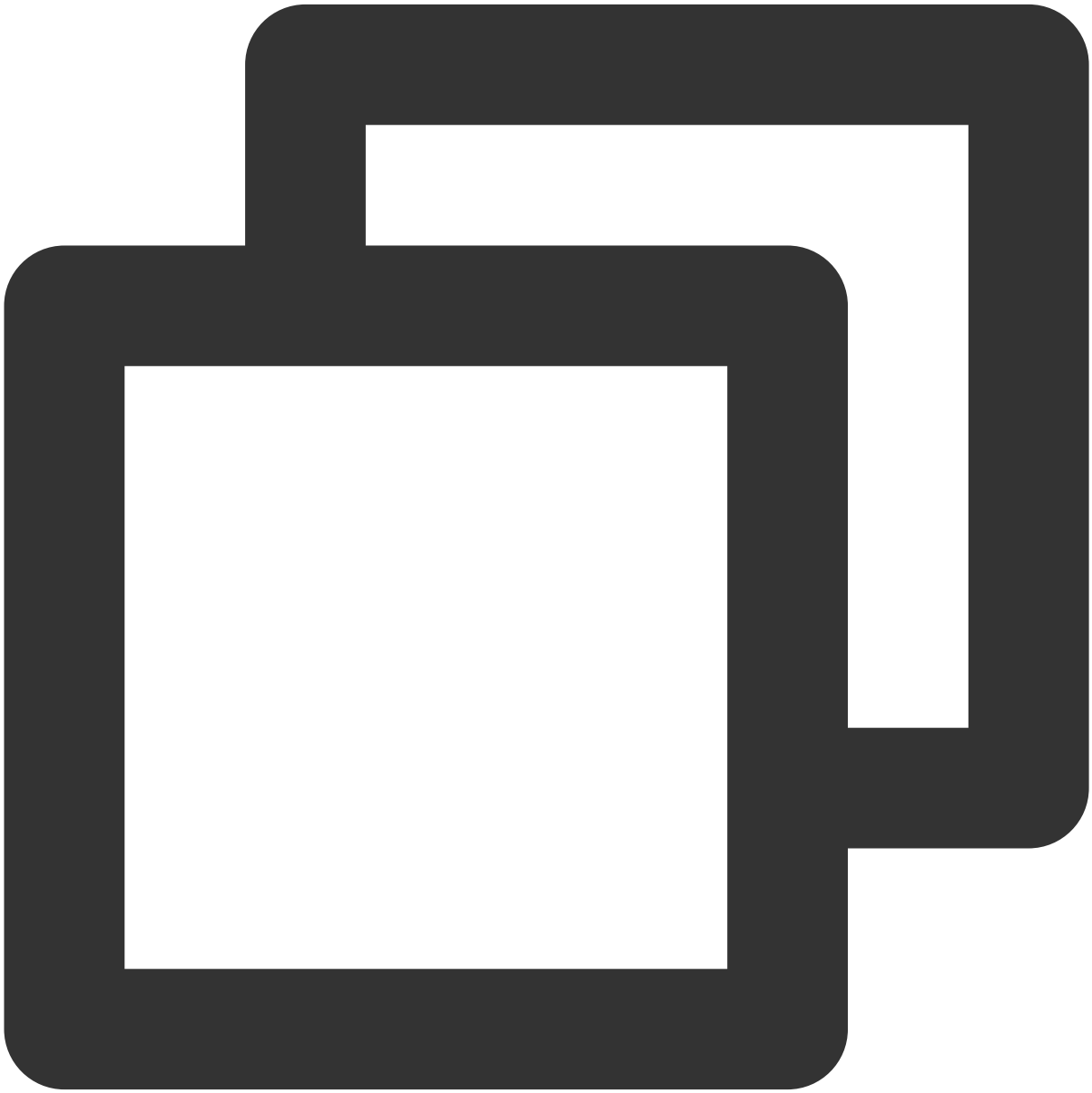
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR98****-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

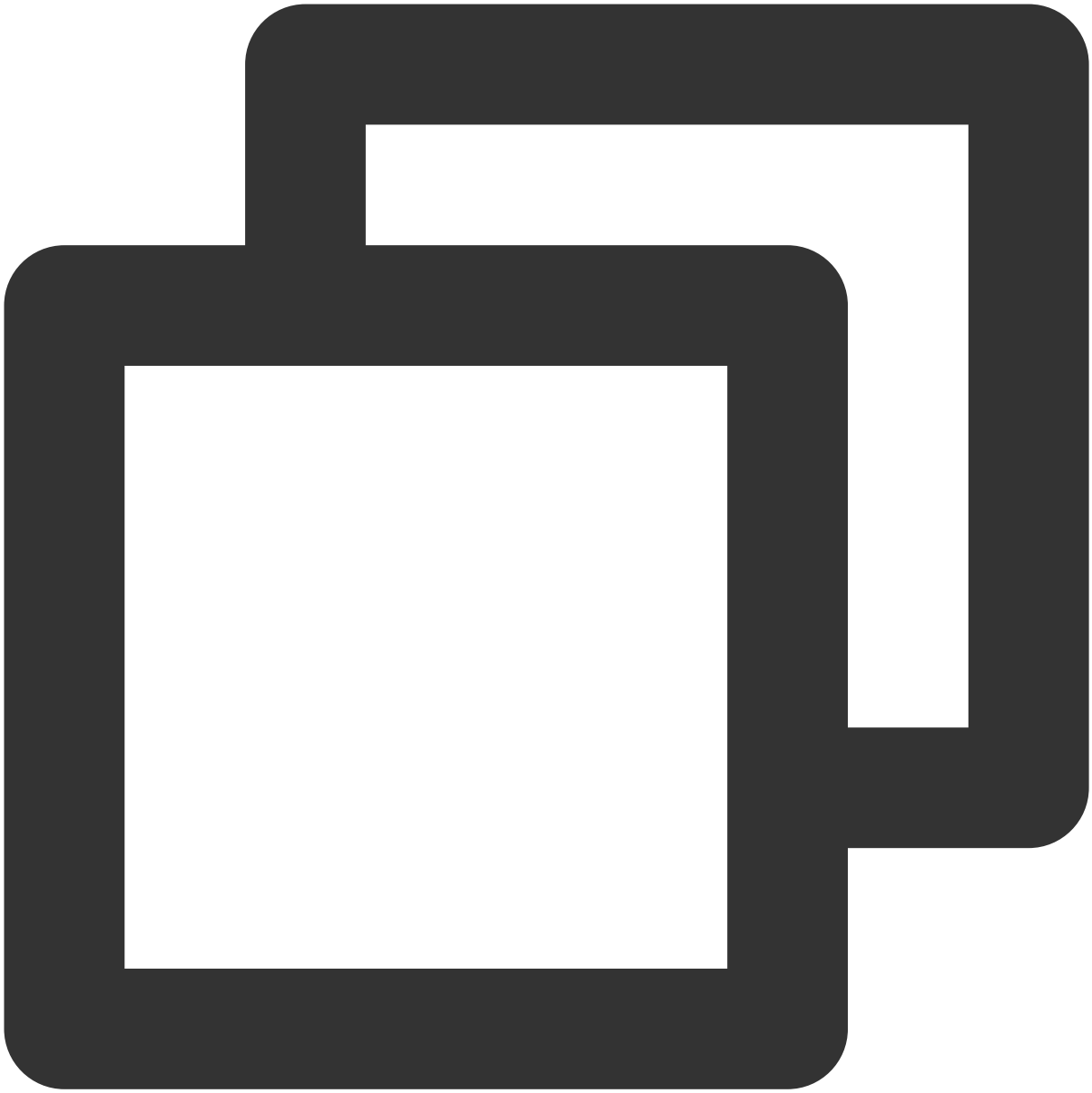
<Request>
    <Tag>Concat</Tag>
    <Name>TemplateName</Name>
    <ConcatTemplate>
        <ConcatFragment>
```

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```
            <Mode>Start</Mode>
            <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/start.mp4</Ur
        </ConcatFragment>
        <ConcatFragment>
            <Mode>End</Mode>
            <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/end.mp4</Url>
        </ConcatFragment>
        <Audio>
            <Codec>mp3</Codec>
            <Samplerate></Samplerate>
            <Bitrate></Bitrate>
            <Channels></Channels>
        </Audio>
        <Video>
            <Codec>H.264</Codec>
            <Bitrate>1000</Bitrate>
            <Width>1280</Width>
            <Height></Height>
            <Fps>30</Fps>
        </Video>
        <Container>
            <Format>mp4</Format>
        </Container>
        <AudioMix>
            <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3</Au
            <MixMode>Once</MixMode>
            <Replace>true</Replace>
            <EffectConfig>
                <EnableStartFadein>true</EnableStartFadein>
                <StartFadeinTime>3</StartFadeinTime>
                <EnableEndFadeout>false</EnableEndFadeout>
                <EndFadeoutTime>0</EndFadeoutTime>
                <EnableBgmFade>true</EnableBgmFade>
                <BgmFadeTime>1.7</BgmFadeTime>
            </EffectConfig>
        </AudioMix>
    </ConcatTemplate>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
        <Tag>Concat</Tag>
        <Name>TemplateName</Name>
        <ConcatTemplate>
            <ConcatFragment>
                <Mode>Start</Mode>
                <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/start.mp4
            </ConcatFragment>
            <ConcatFragment>
                <Mode>End</Mode>
                <Url>http://bucket-1250000000.cos.ap-beijing.myqcloud.com/end.mp4</
            </ConcatFragment>
            <Audio>
                <Codec>mp3</Codec>
                <Samplerate></Samplerate>
                <Bitrate></Bitrate>
                <Channels></Channels>
            </Audio>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Height></Height>
                <Fps>30</Fps>
            </Video>
            <Container>
                <Format>mp4</Format>
            </Container>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
                <EffectConfig>
                    <EnableStartFadein>true</EnableStartFadein>
                    <StartFadeinTime>3</StartFadeinTime>
                    <EnableEndFadeout>false</EnableEndFadeout>
                    <EndFadeoutTime>0</EndFadeoutTime>
                    <EnableBgmFade>true</EnableBgmFade>
                    <BgmFadeTime>1.7</BgmFadeTime>
                </EffectConfig>
            </AudioMix>
        </ConcatTemplate>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Top Speed Codec Transcoding Template

Last updated：2024-02-27 15:58:00

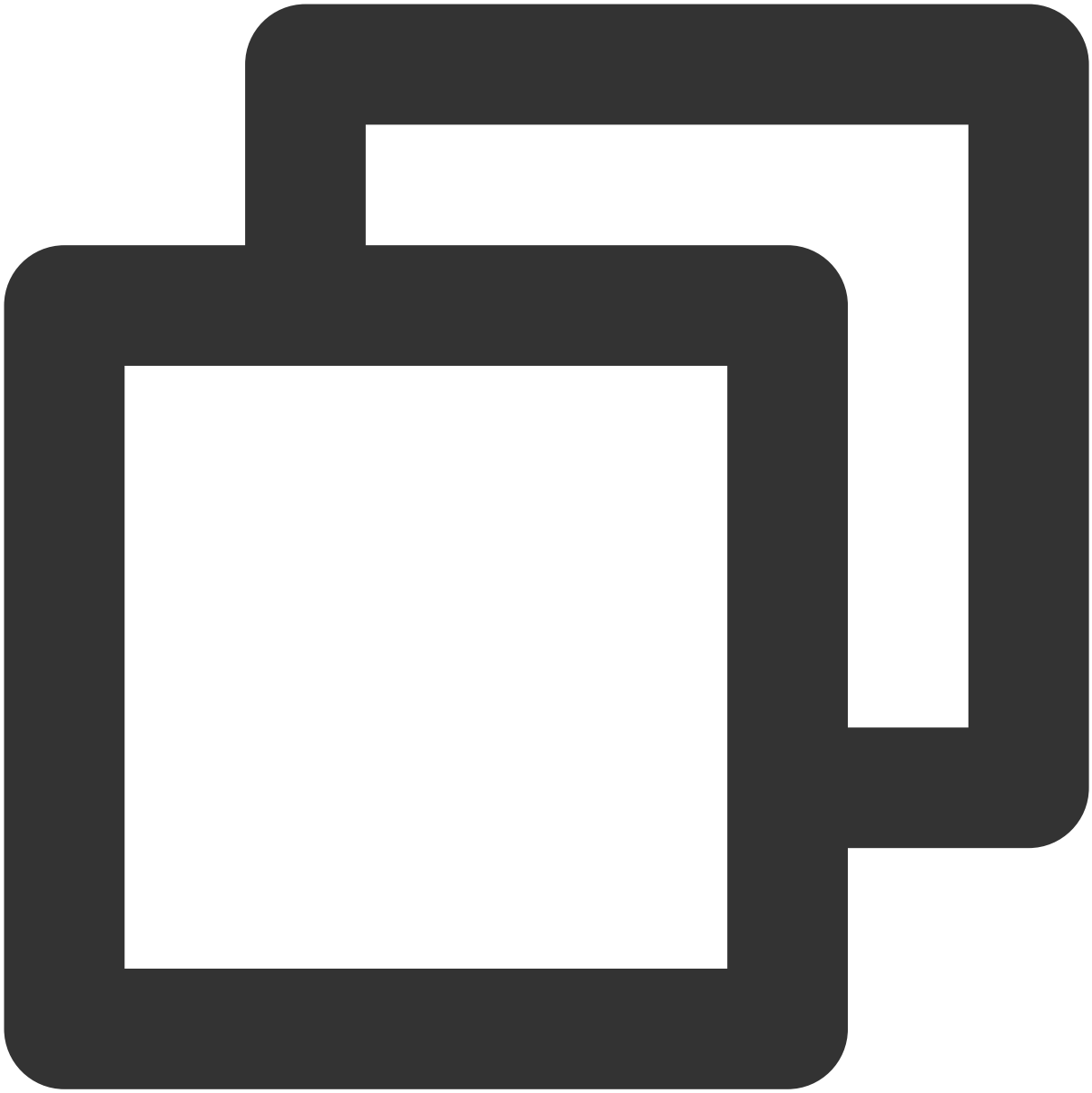
Feature Description

This API is used to update a top speed codec transcoding template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

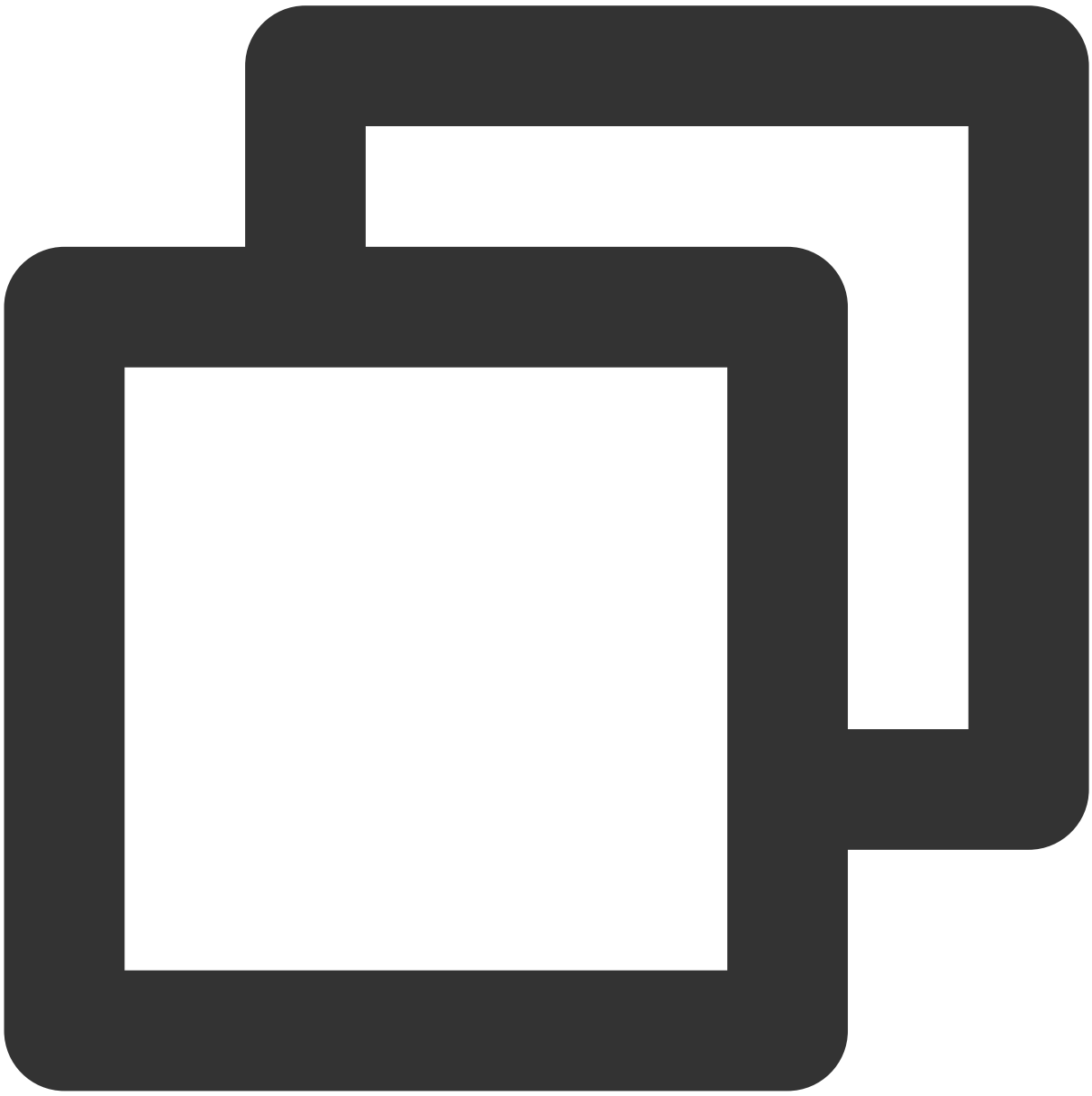
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>HighSpeedHd</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Profile>high</Profile>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
        <Bufsize>0</Bufsize>
        <Maxrate>0</Maxrate>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </Audio>
    <TransConfig>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the top speed codec transcoding template creation API.	Container	Yes

Response

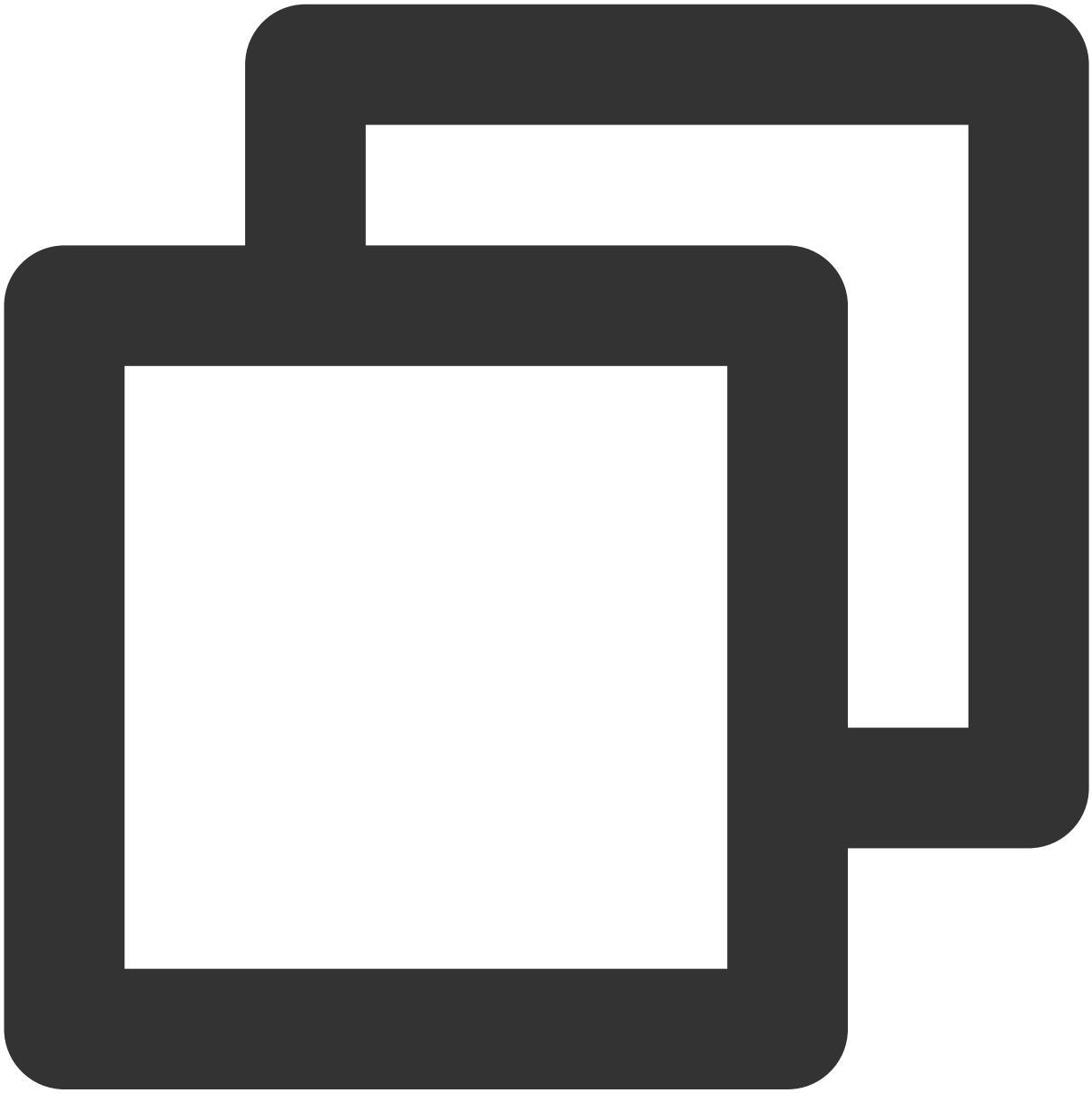
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

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Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <Template>
        <Tag>HighSpeedHd</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <HighSpeedHd>
            <Container>
                <Format>mp4</Format>
```

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```
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Profile>high</Profile>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Bufsize>0</Bufsize>
                <Maxrate>0</Maxrate>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </HighSpeedHd>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the top speed codec transcoding template creation API.	Container

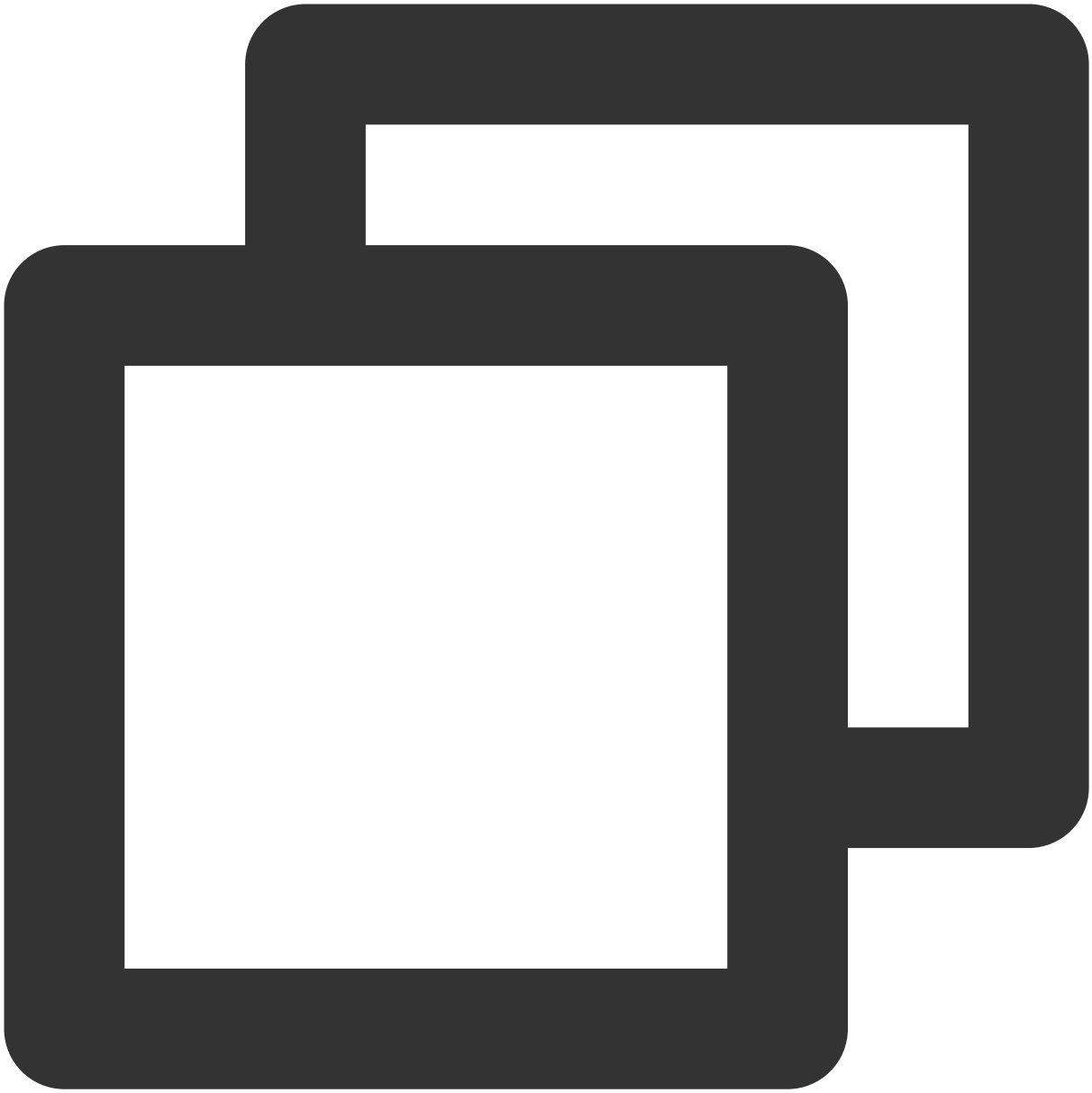
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

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Request



```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0**********&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

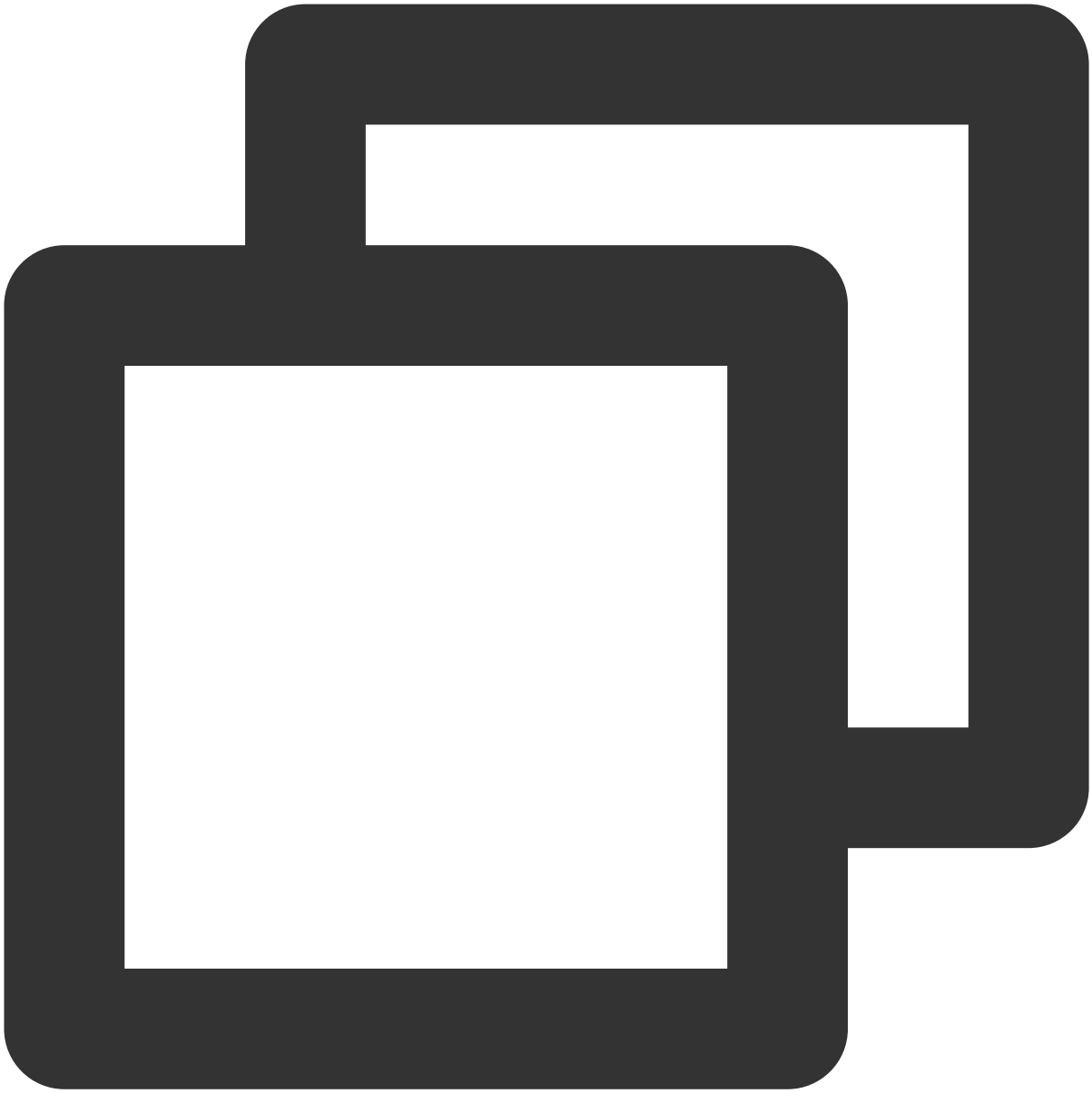
<Request>
    <Tag>HighSpeedHd</Tag>
    <Name>TemplateName</Name>
```

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```
    <Container>
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Profile>high</Profile>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
        <Bufsize>0</Bufsize>
        <Maxrate>0</Maxrate>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </Audio>
    <TransConfig>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>HighSpeedHd</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <HighSpeedHd>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Profile>high</Profile>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
                <Bufsize>0</Bufsize>
                <Maxrate>0</Maxrate>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
            </Audio>
            <TransConfig>
                <IsCheckReso>false</IsCheckReso>
                <ResoAdjMethod>1</ResoAdjMethod>
            </TransConfig>
            <TimeInterval>
                <Start>0</Start>
                <Duration>60</Duration>
            </TimeInterval>
        </HighSpeedHd>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Screenshot Template

Last updated：2024-02-27 15:58:00

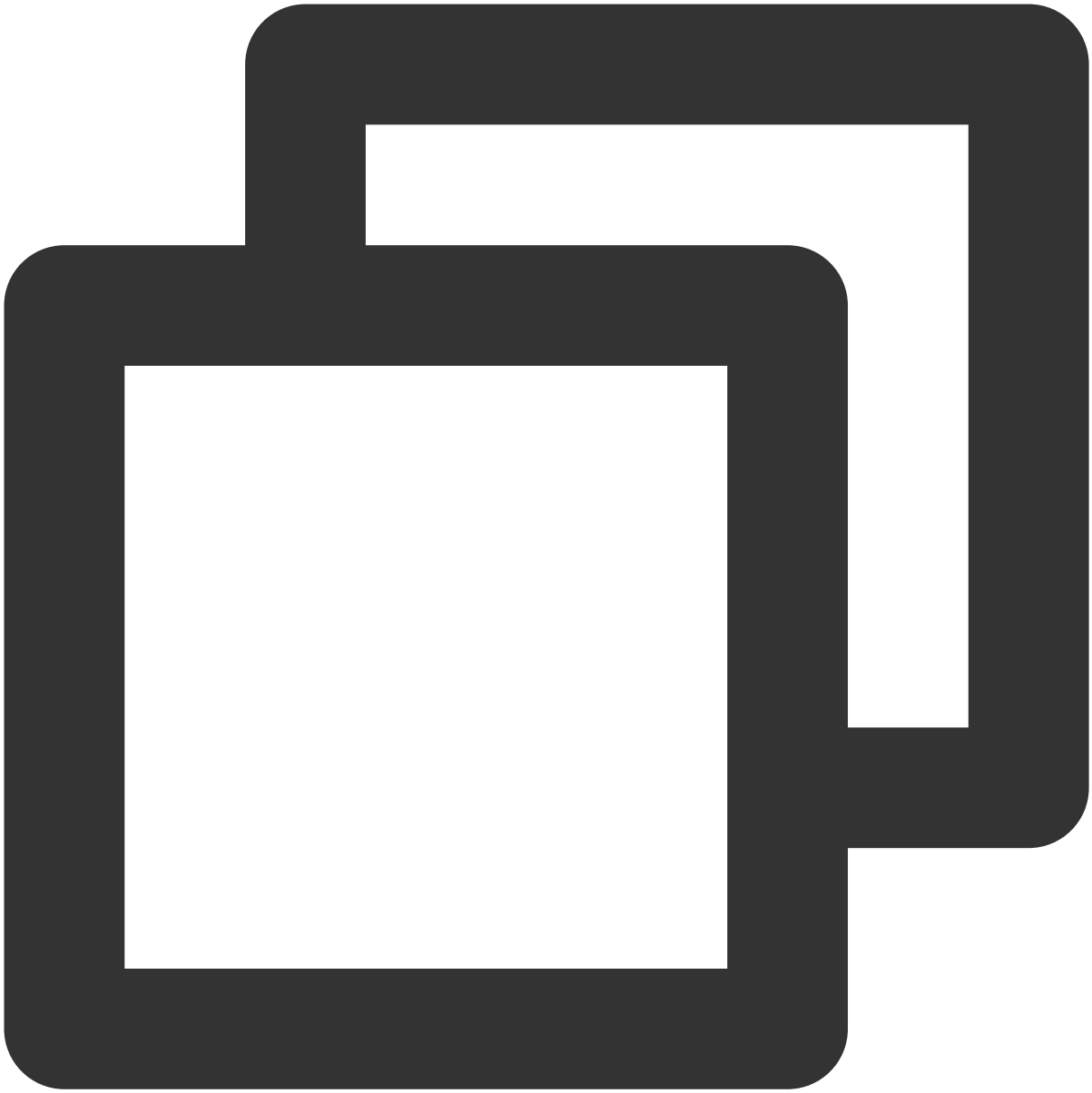
Feature Description

This API is used to update a screenshot template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

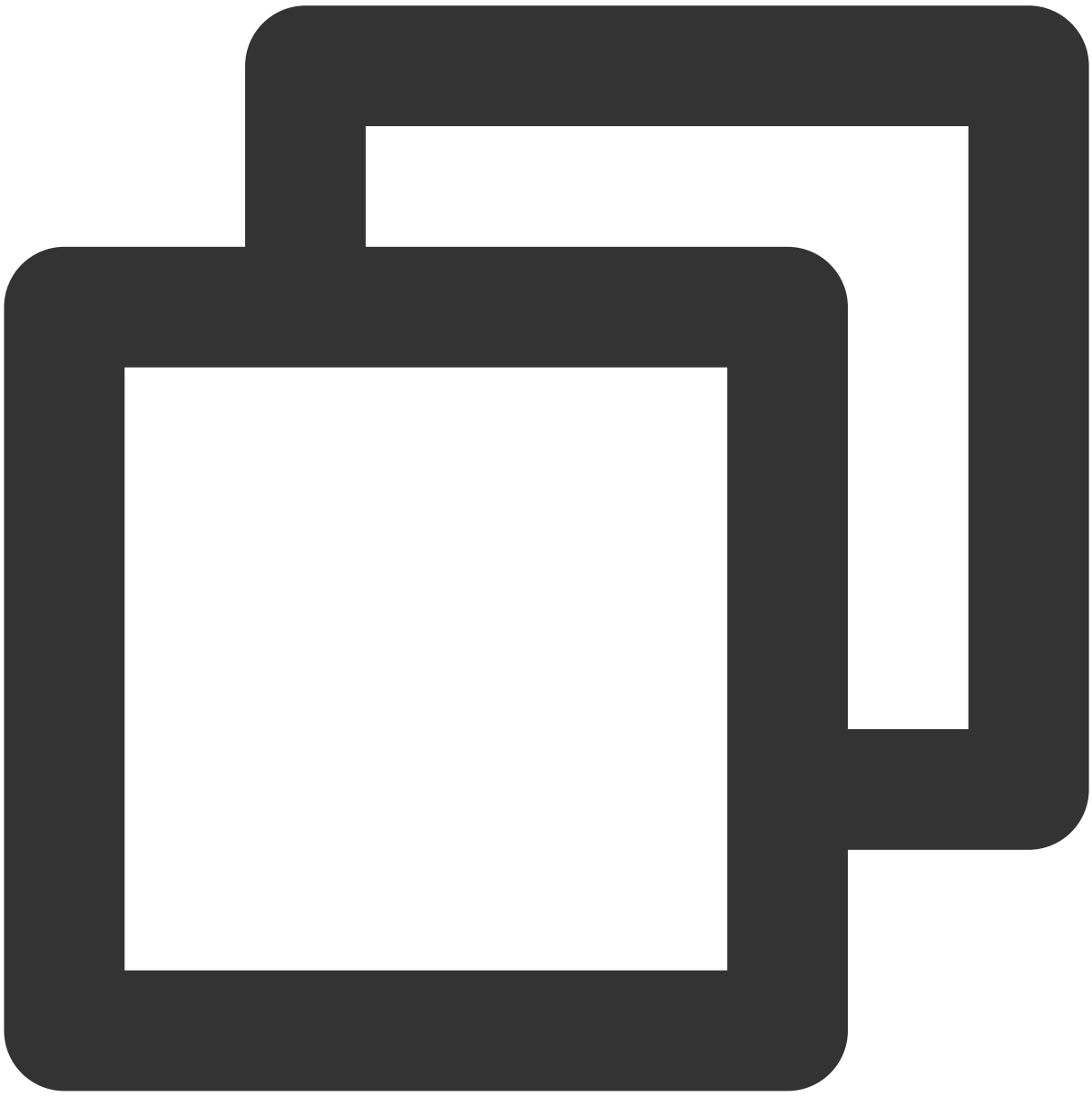
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Snapshot</Tag>
    <Name>TemplateName</Name>
    <Snapshot>
        <Mode>Interval</Mode>
        <Width>1280</Width>
        <Height>960</Height>
        <Start>0</Start>
        <TimeInterval>0.5</TimeInterval>
        <Count>10</Count>
        <SnapshotOutMode>OnlySprite</SnapshotOutMode>
        <SpriteSnapshotConfig>
            <Color>Aquamarine</Color>
            <Columns>3</Columns>
            <Lines>3</Lines>
        </SpriteSnapshotConfig>
    </Snapshot>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the screenshot template creation API.	Container	Yes

Response

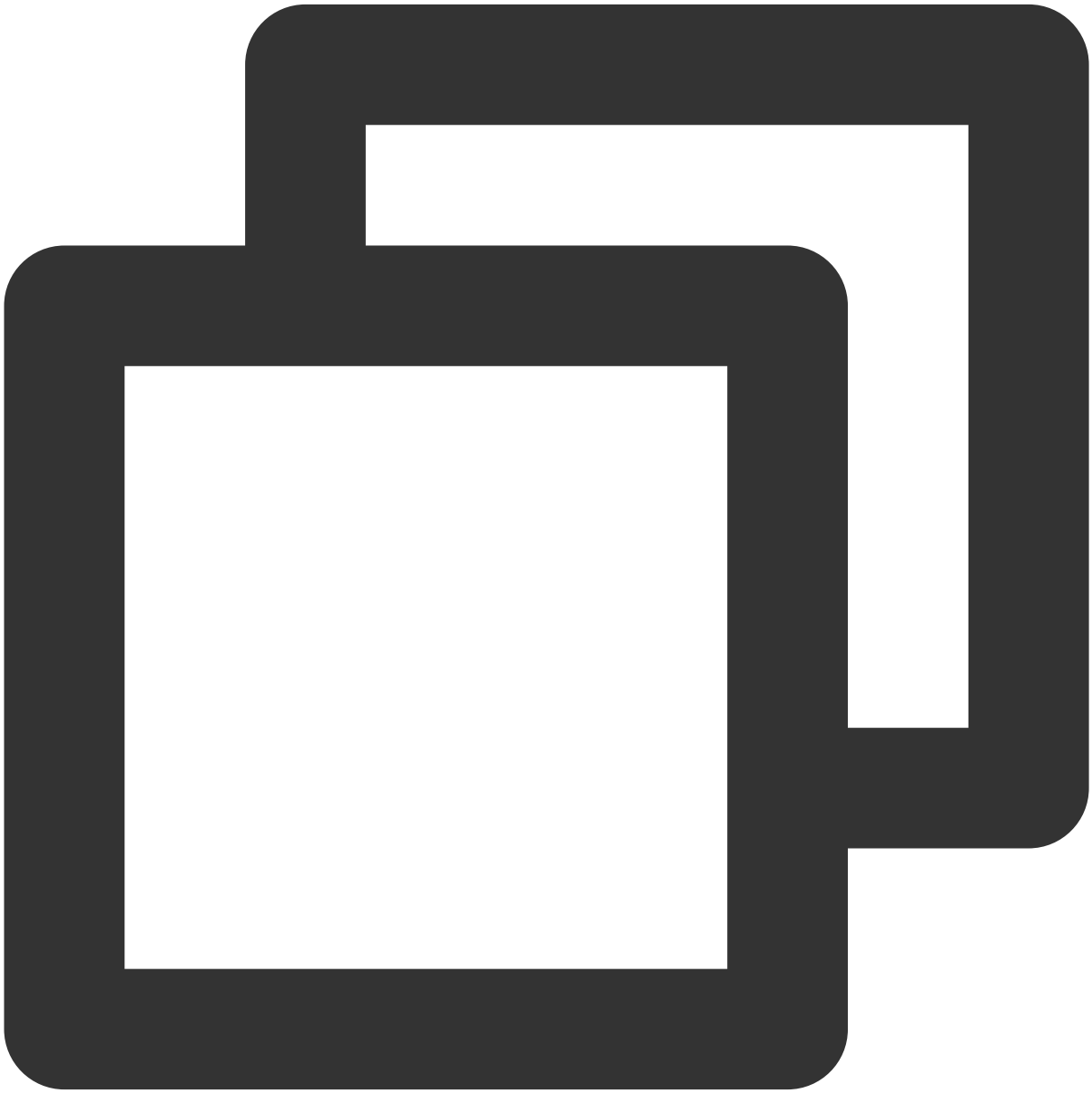
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>Snapshot</Tag>
        <Name>TemplateName</Name>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <Snapshot>
            <Mode>Interval</Mode>
            <Width>1280</Width>
            <Height>960</Height>
            <Start>0</Start>
            <TimeInterval>0.5</TimeInterval>
```

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```
            <Count>10</Count>
            <SnapshotOutMode>OnlySprite</SnapshotOutMode>
            <SpriteSnapshotConfig>
                <Color>Aquamarine</Color>
                <Columns>3</Columns>
                <Lines>3</Lines>
            </SpriteSnapshotConfig>
        </Snapshot>>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the screenshot template creation API.	Container

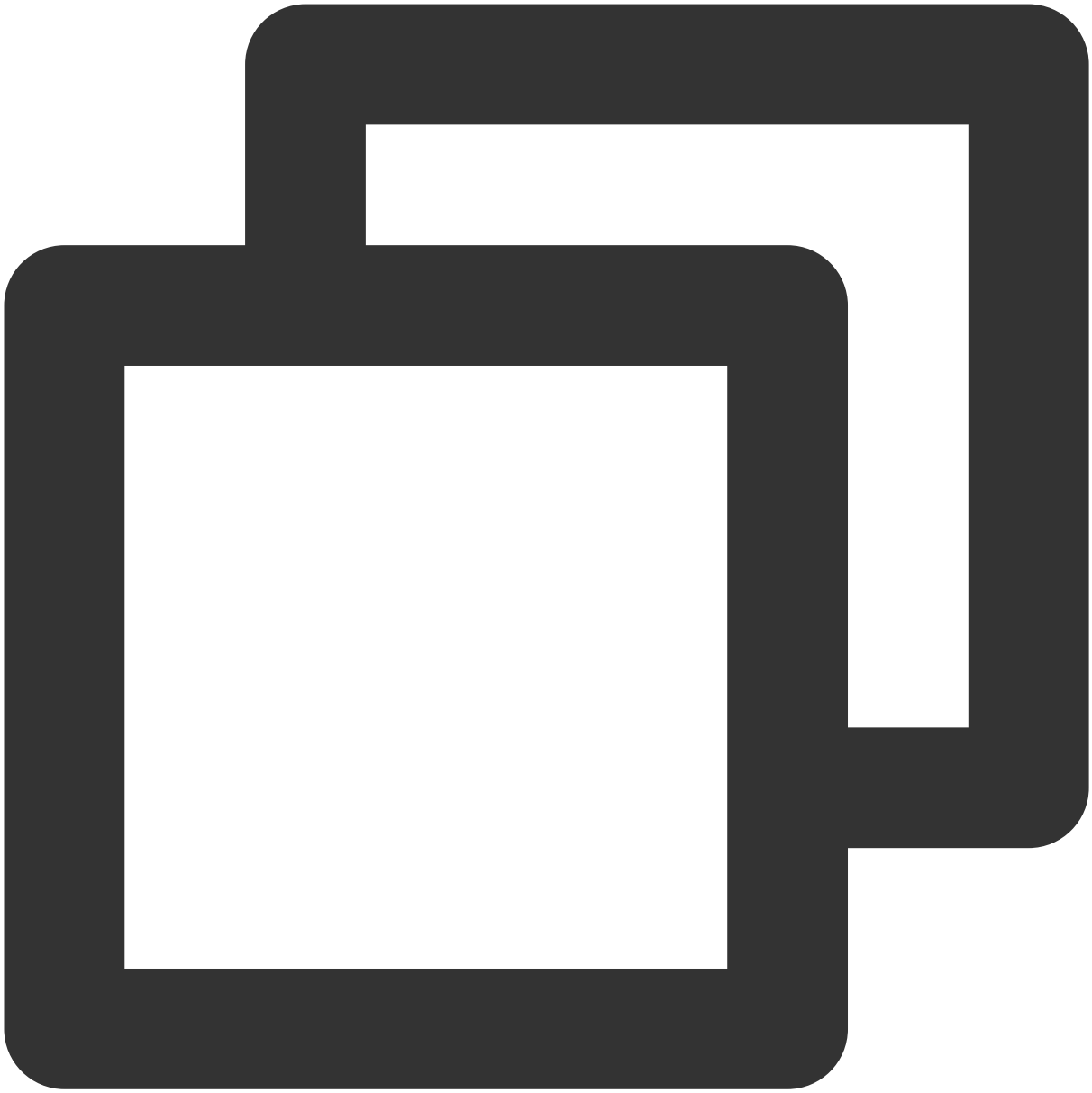
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1f16e1dfbdc994105b31292d45710642a HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

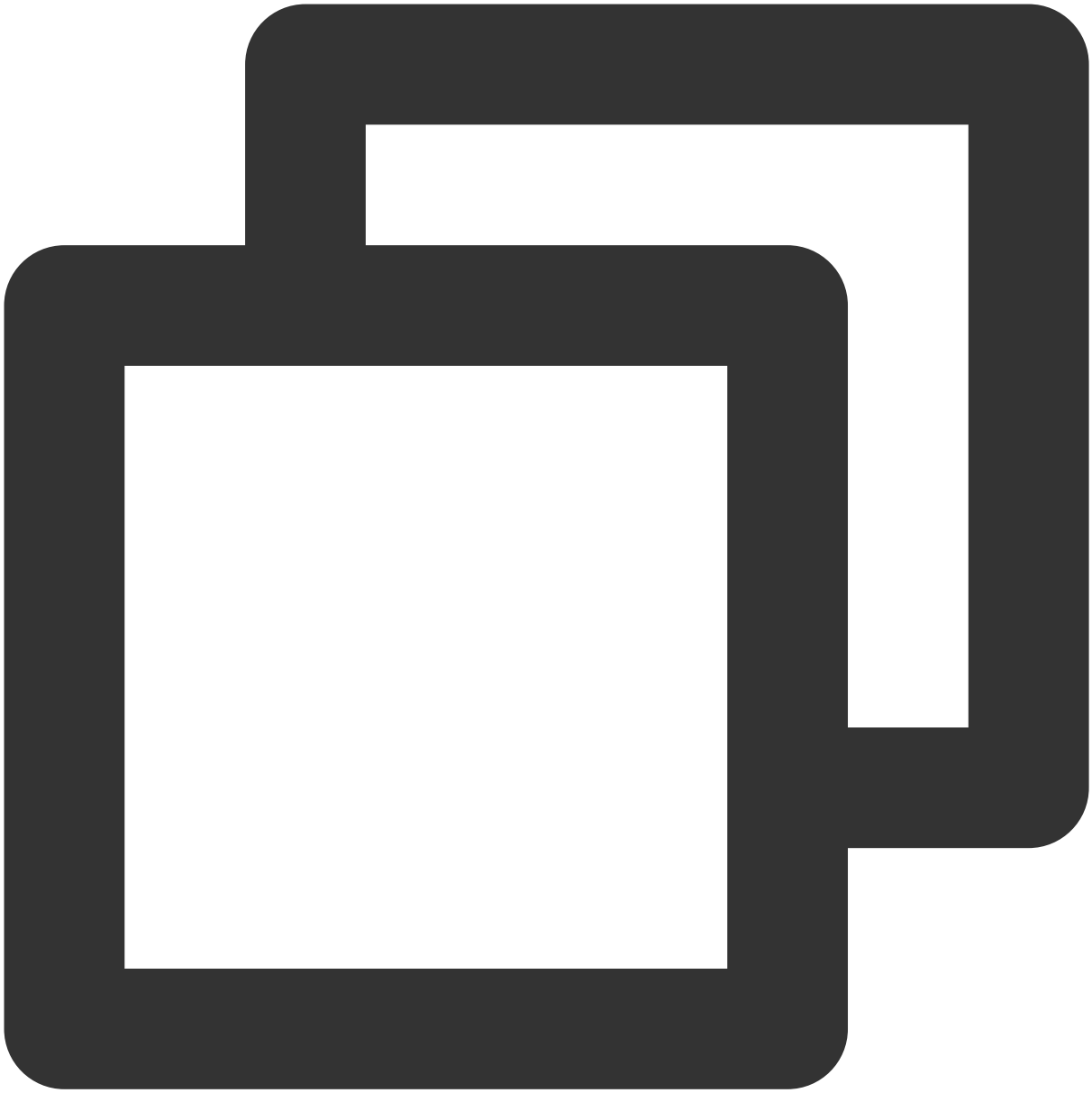
<Request>
    <Tag>Snapshot</Tag>
    <Name>TemplateName</Name>
    <Snapshot>
        <Mode>Interval</Mode>
```

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```
        <Width>1280</Width>
        <Height>960</Height>
        <Start>0</Start>
        <TimeInterval>0.5</TimeInterval>
        <Count>10</Count>
        <SnapshotOutMode>OnlySprite</SnapshotOutMode>
        <SpriteSnapshotConfig>
            <Color>Aquamarine</Color>
            <Columns>3</Columns>
            <Lines>3</Lines>
        </SpriteSnapshotConfig>
    </Snapshot>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <Template>
        <Tag>Snapshot</Tag>
```

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```
        <Name>TemplateName</Name>
        <TemplateId>t1f16e1dfbdc994105b31292d45710642a</TemplateId>
        <Snapshot>
            <Mode>Interval</Mode>
            <Width>1280</Width>
            <Height>960</Height>
            <Start>0</Start>
            <TimeInterval>0.5</TimeInterval>
            <Count>10</Count>
            <SnapshotOutMode>OnlySprite</SnapshotOutMode>
            <SpriteSnapshotConfig>
                <Color>Aquamarine</Color>
                <Columns>3</Columns>
                <Lines>3</Lines>
            </SpriteSnapshotConfig>
        </Snapshot>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Super Resolution Template

Last updated：2024-02-27 15:58:00

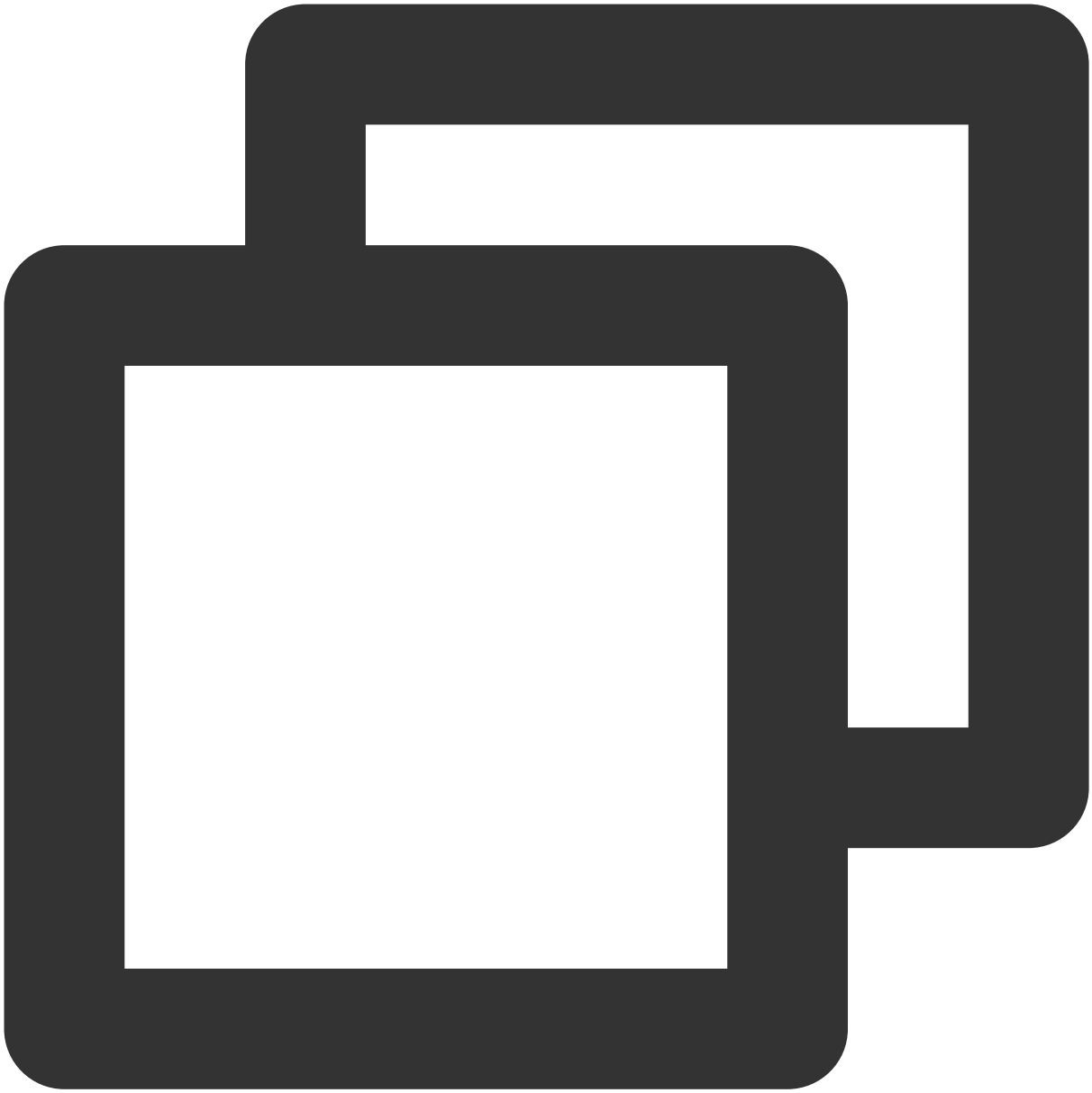
Feature Description

This API is used to update a super resolution template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

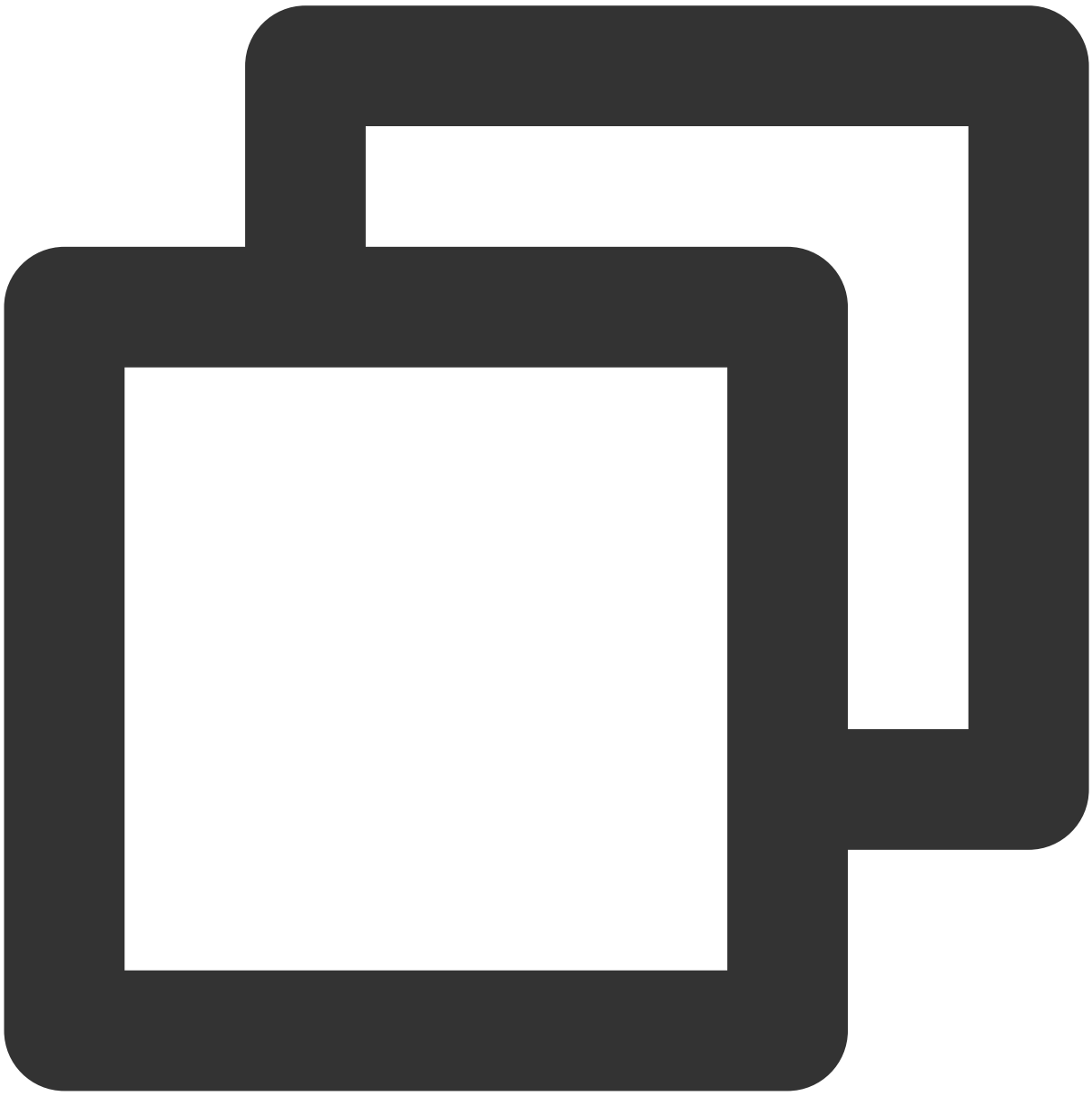
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SuperResolution</Tag>
    <Name>TemplateName</Name>
    <Resolution>sdtohd</Resolution>
    <EnableScaleUp>true</EnableScaleUp>
    <Version>Enhance</Version>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the super resolution template creation API.	Container	Yes

Response

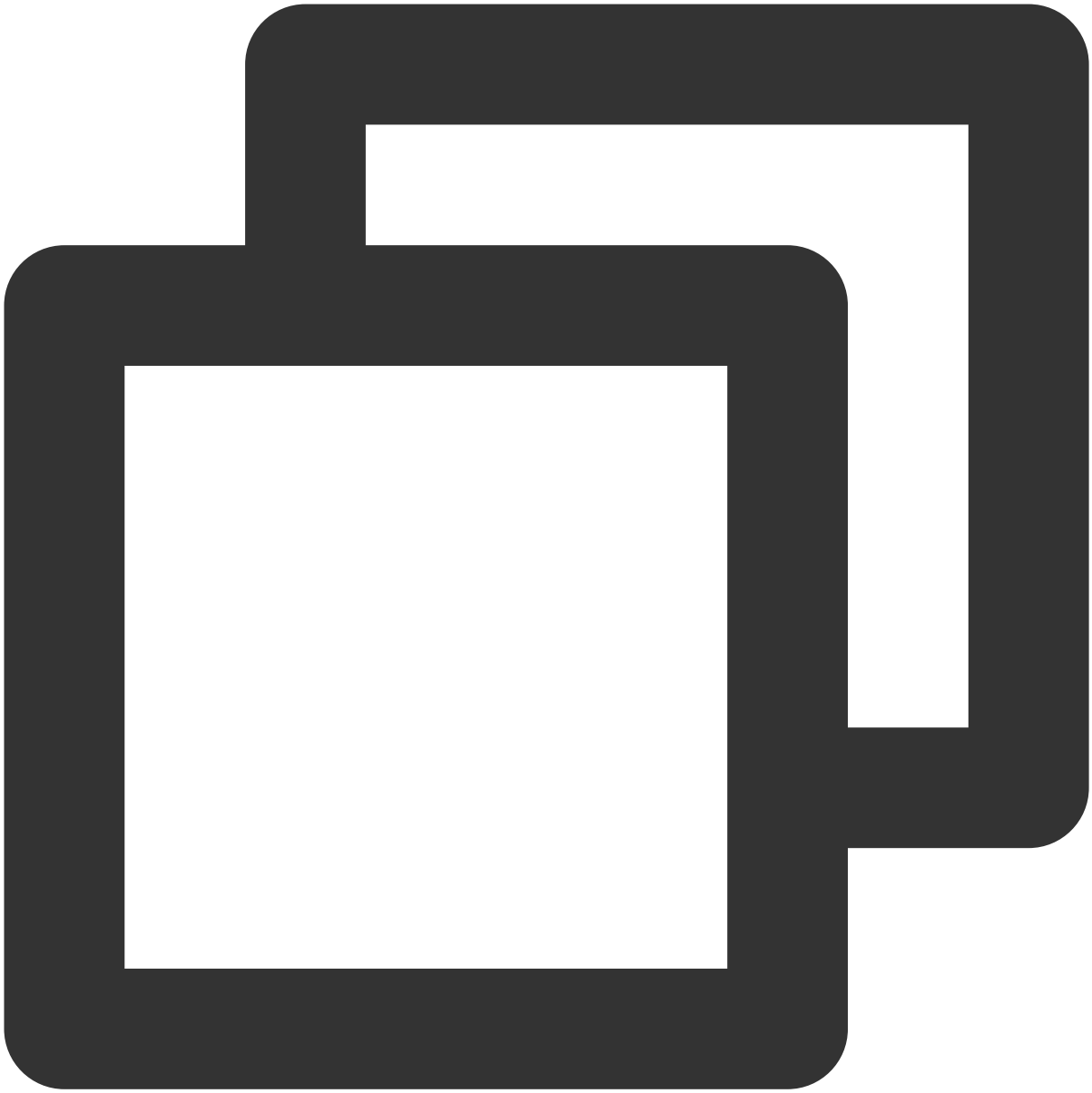
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>SuperResolution</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <SuperResolution>
            <Resolution>sdtohd</Resolution>
            <EnableScaleUp>true</EnableScaleUp>
            <Version>Enhance</Version>
        </SuperResolution>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
```

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```
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the super resolution template creation API.	Container

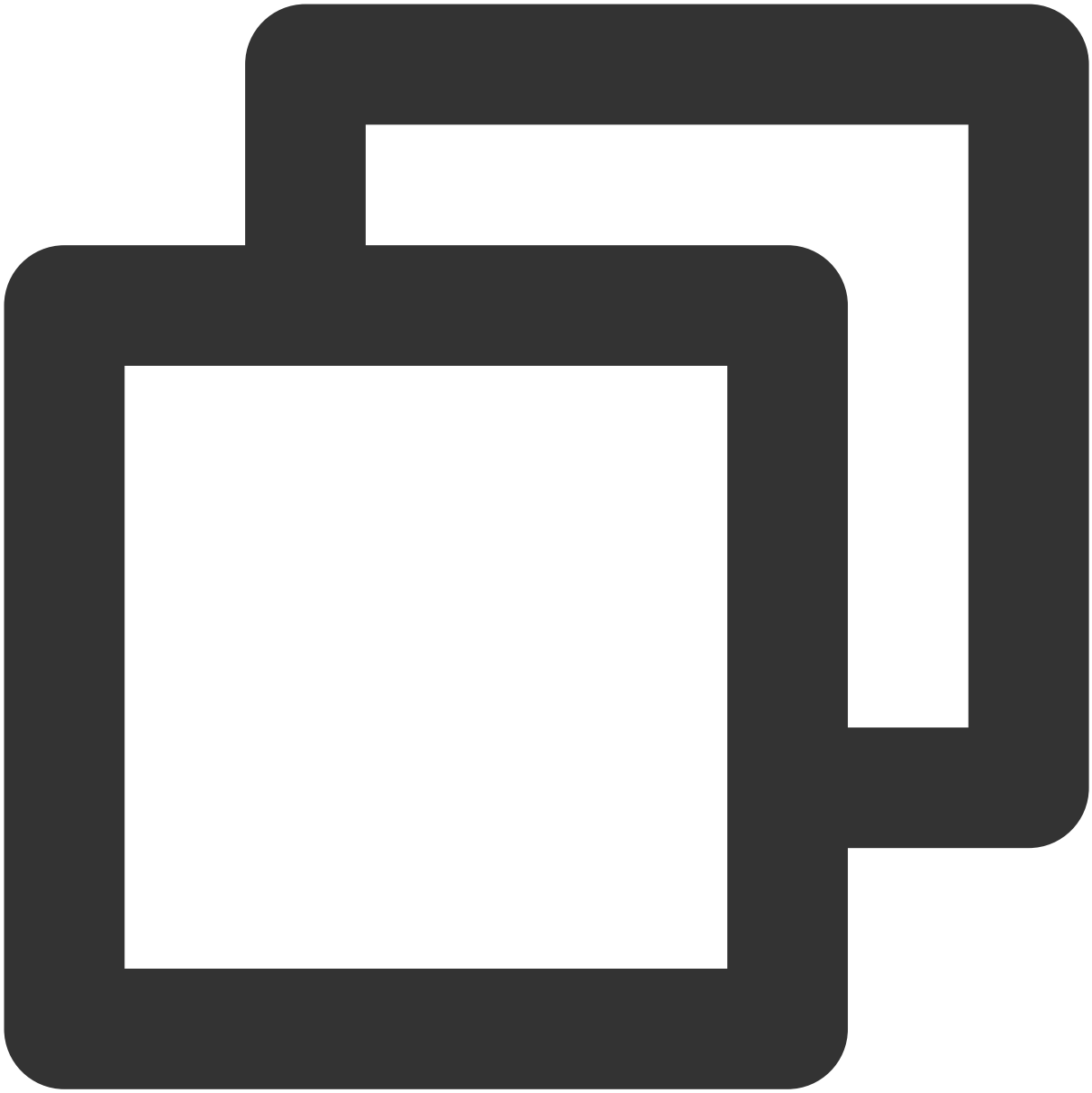
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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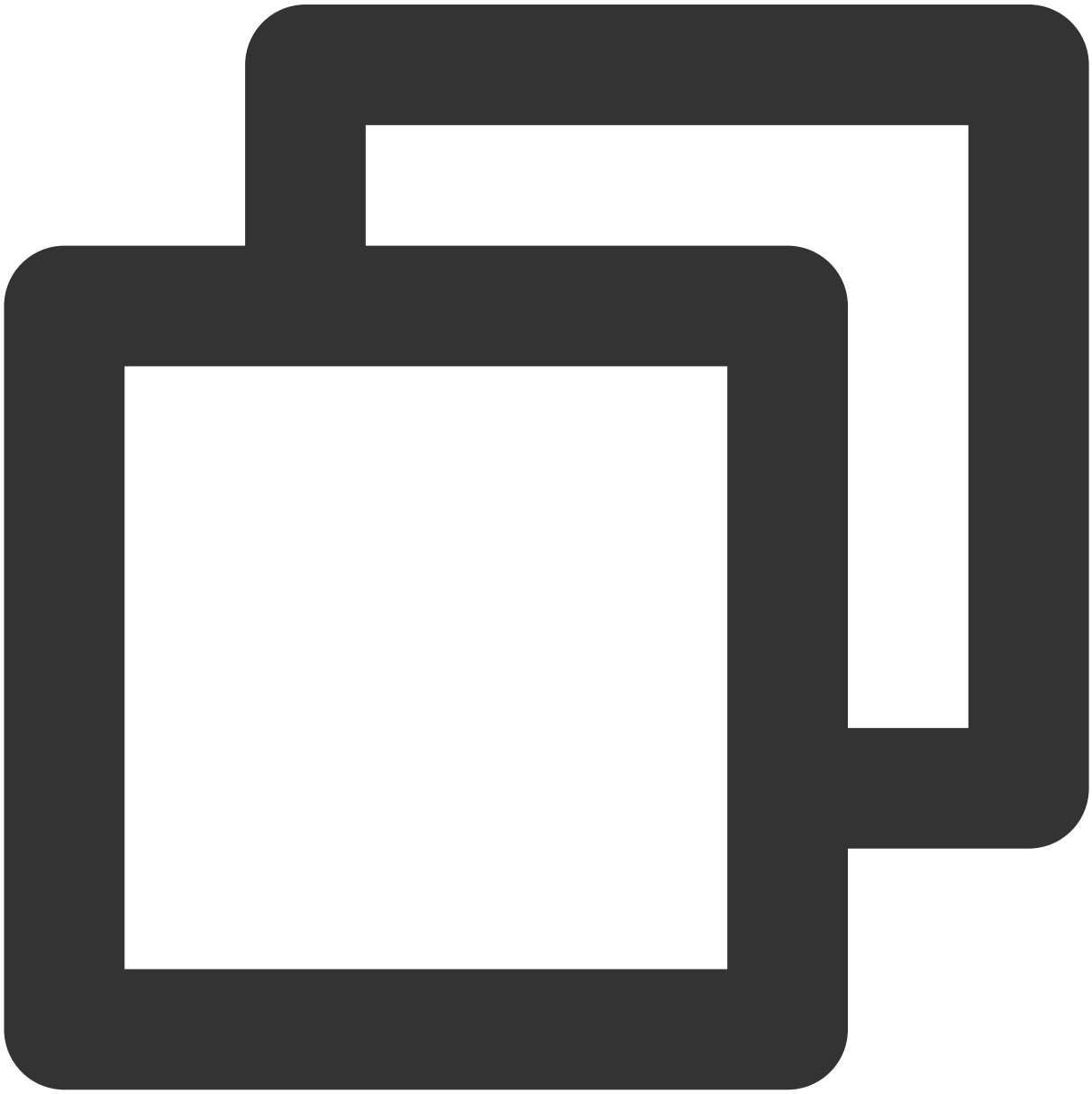
```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>SuperResolution</Tag>
    <Name>TemplateName</Name>
    <Resolution>sdtohd</Resolution>
    <EnableScaleUp>true</EnableScaleUp>
```

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```
    <Version>Enhance</Version>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
```

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```
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>SuperResolution</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <SuperResolution>
            <Resolution>sdtohd</Resolution>
            <EnableScaleUp>true</EnableScaleUp>
            <Version>Enhance</Version>
        </SuperResolution>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Audio/Video Transcoding Template

Last updated：2024-02-27 15:58:00

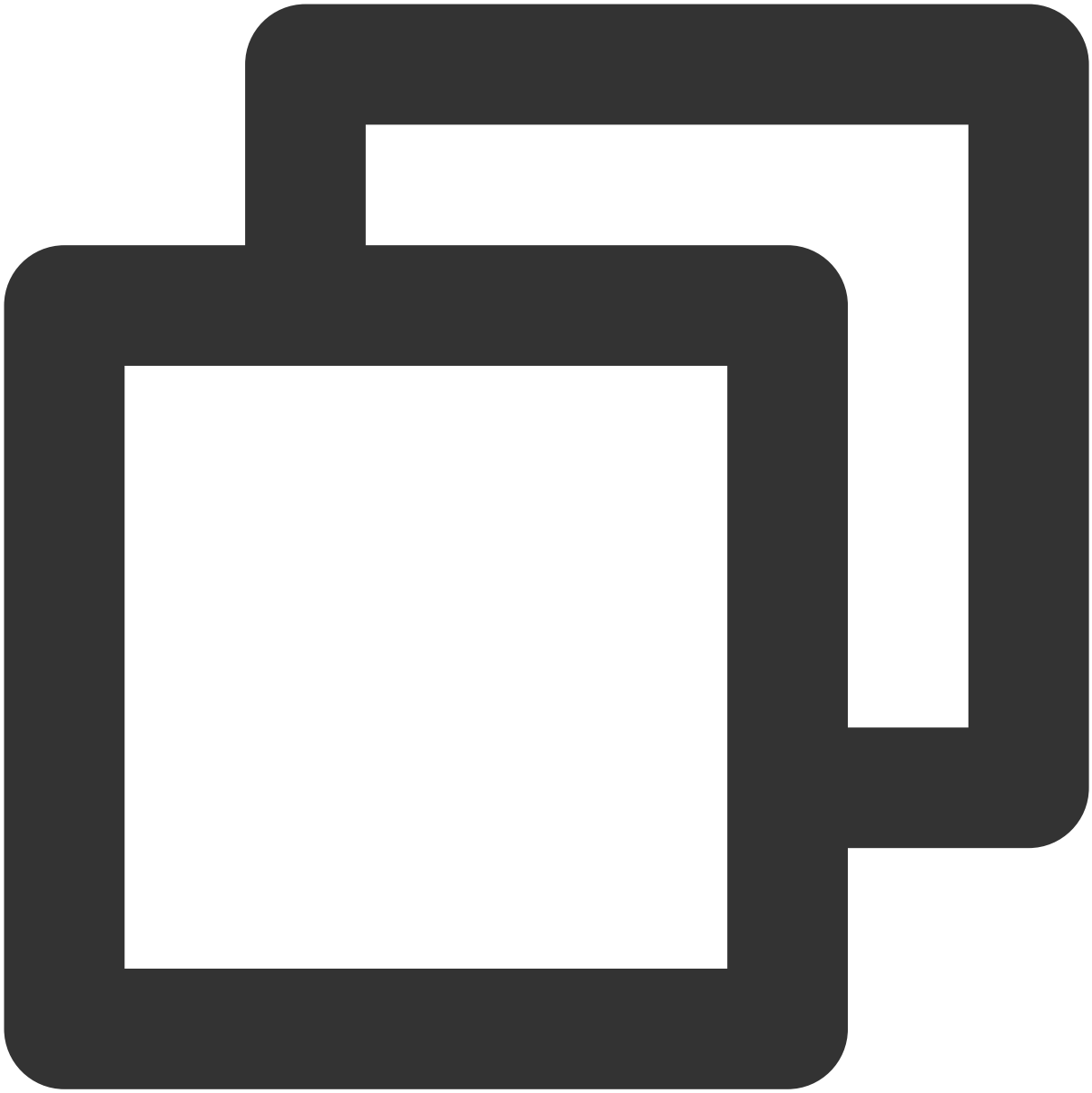
Feature Description

This API is used to update a transcoding template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

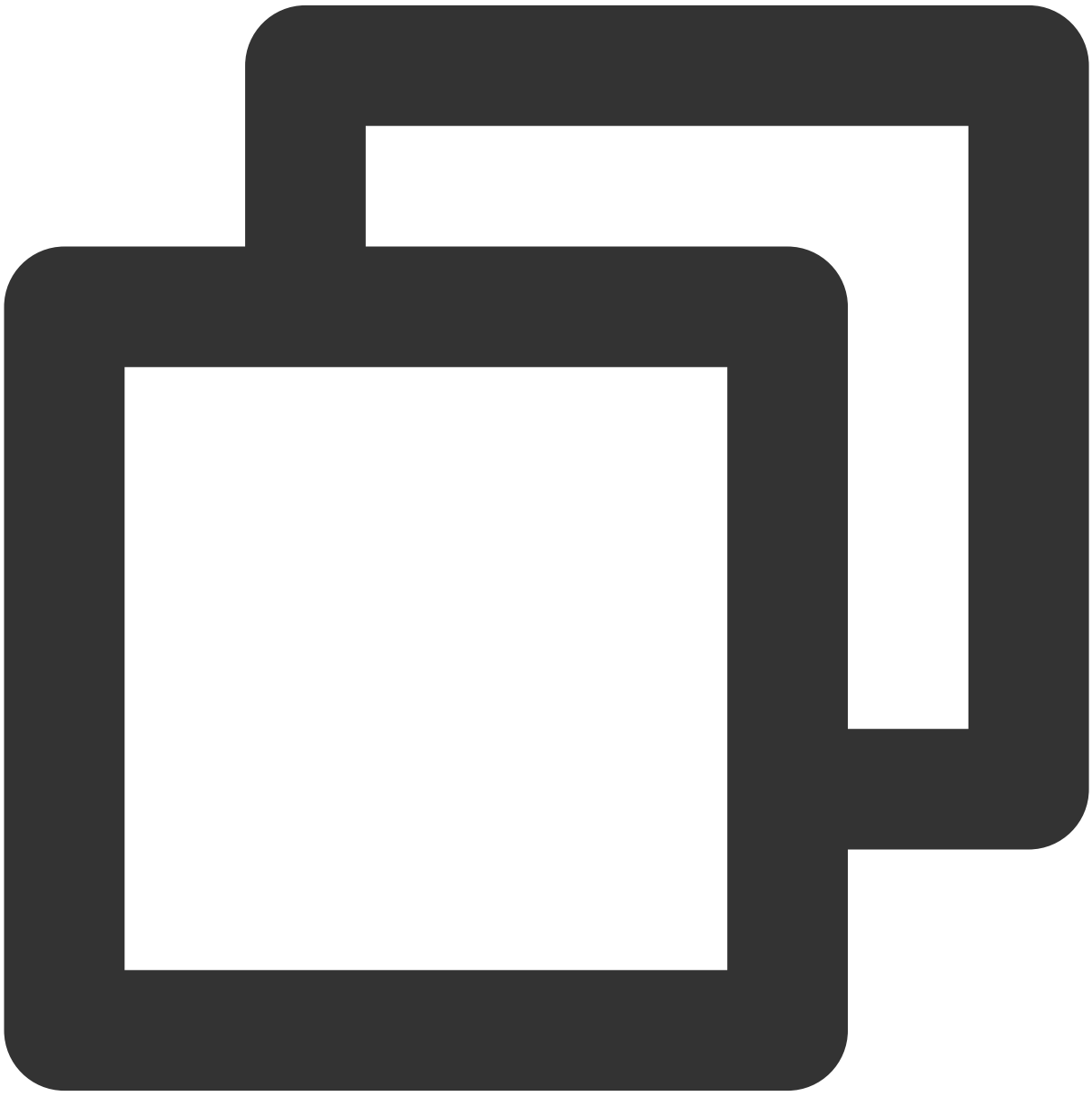
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Transcode</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Profile>high</Profile>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
        <Preset>medium</Preset>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </Audio>
    <TransConfig>
        <AdjDarMethod>scale</AdjDarMethod>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the transcoding template creation API.	Container	Yes

Response

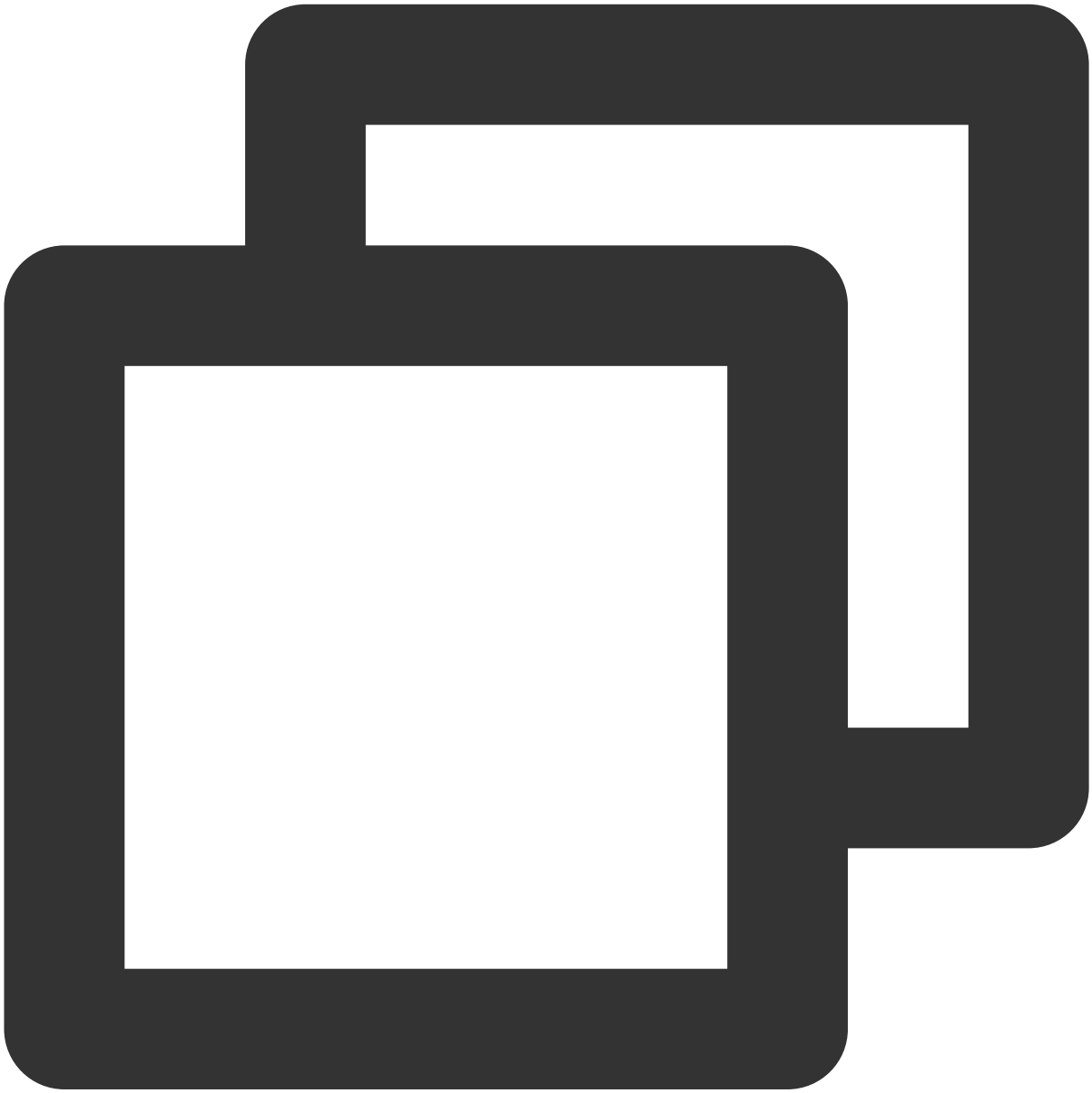
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

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Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <Template>
        <Tag>Transcode</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <Container>
            <Format>mp4</Format>
        </Container>
```

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```
        <Video>
            <Codec>H.264</Codec>
            <Profile>high</Profile>
            <Bitrate>1000</Bitrate>
            <Width>1280</Width>
            <Fps>30</Fps>
            <Preset>medium</Preset>
        </Video>
        <Audio>
            <Codec>aac</Codec>
            <Samplerate>44100</Samplerate>
            <Bitrate>128</Bitrate>
            <Channels>4</Channels>
        </Audio>
        <TransConfig>
            <AdjDarMethod>scale</AdjDarMethod>
            <IsCheckReso>false</IsCheckReso>
            <ResoAdjMethod>1</ResoAdjMethod>
        </TransConfig>
        <TimeInterval>
            <Start>0</Start>
            <Duration>60</Duration>
        </TimeInterval>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the transcoding template creation API.	Container

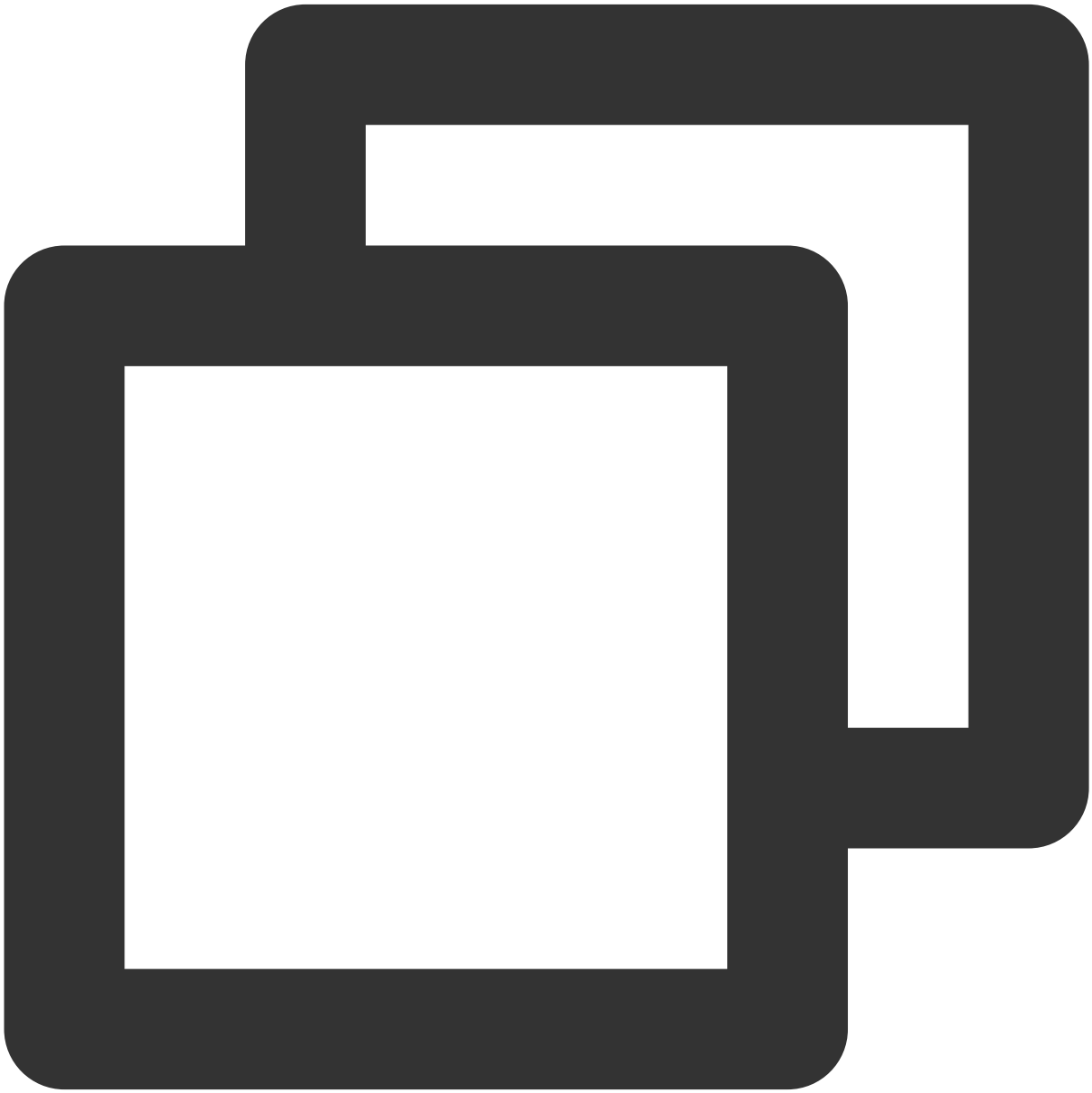
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

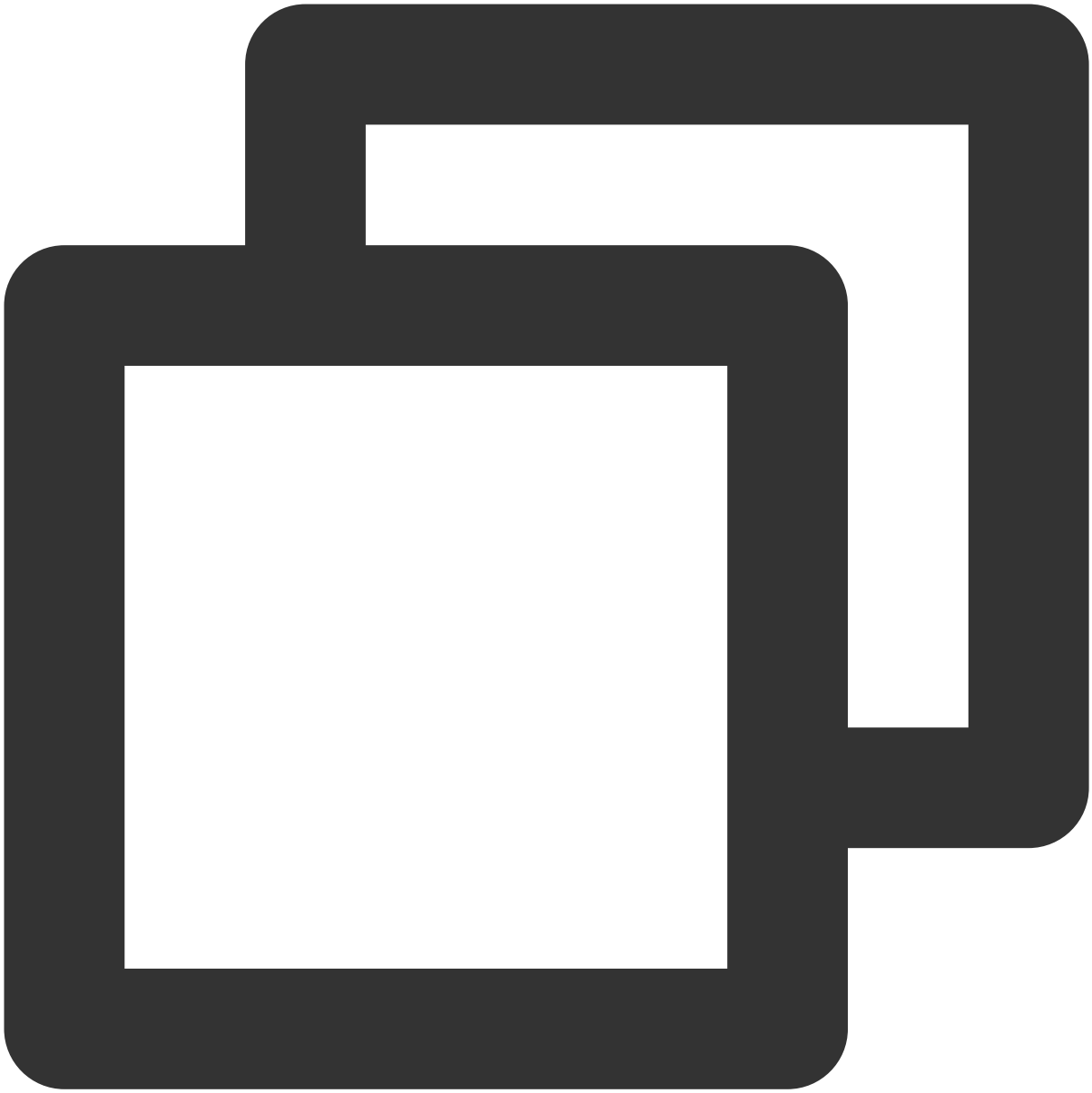
<Request>
    <Tag>Transcode</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mp4</Format>
```

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```
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Profile>high</Profile>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
        <Preset>medium</Preset>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </Audio>
    <TransConfig>
        <AdjDarMethod>scale</AdjDarMethod>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****



<Response>
```

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```
    <Template>
        <Tag>Transcode</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <Container>
            <Format>mp4</Format>
        </Container>
        <Video>
            <Codec>H.264</Codec>
            <Profile>high</Profile>
            <Bitrate>1000</Bitrate>
            <Width>1280</Width>
            <Fps>30</Fps>
            <Preset>medium</Preset>
        </Video>
        <Audio>
            <Codec>aac</Codec>
            <Samplerate>44100</Samplerate>
            <Bitrate>128</Bitrate>
            <Channels>4</Channels>
        </Audio>
        <TransConfig>
            <AdjDarMethod>scale</AdjDarMethod>
            <IsCheckReso>false</IsCheckReso>
            <ResoAdjMethod>1</ResoAdjMethod>
        </TransConfig>
        <TimeInterval>
            <Start>0</Start>
            <Duration>60</Duration>
        </TimeInterval>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Professional Transcoding Template

Last updated：2024-02-27 15:58:00

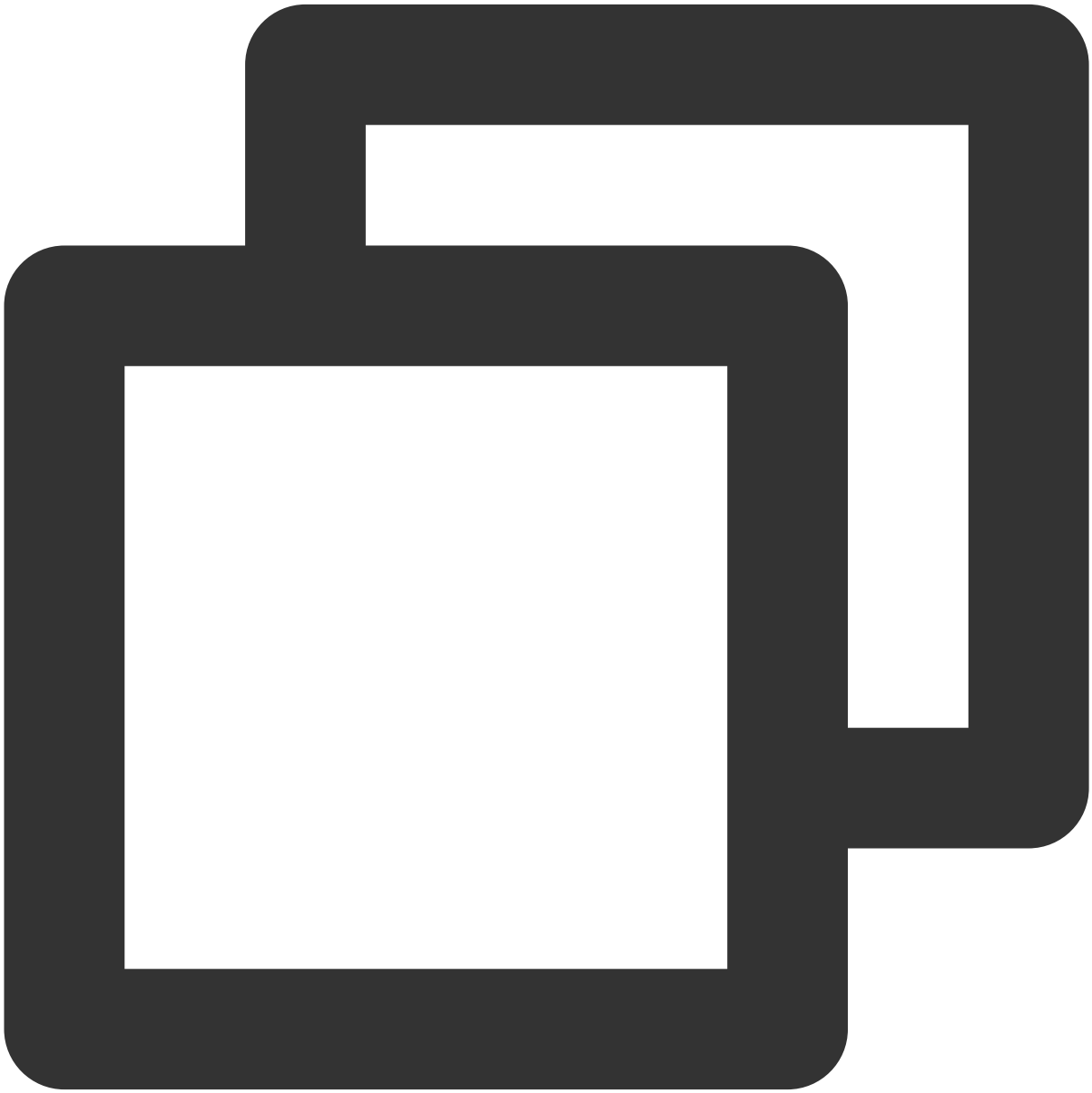
Feature Description

This API is used to update a professional transcoding template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

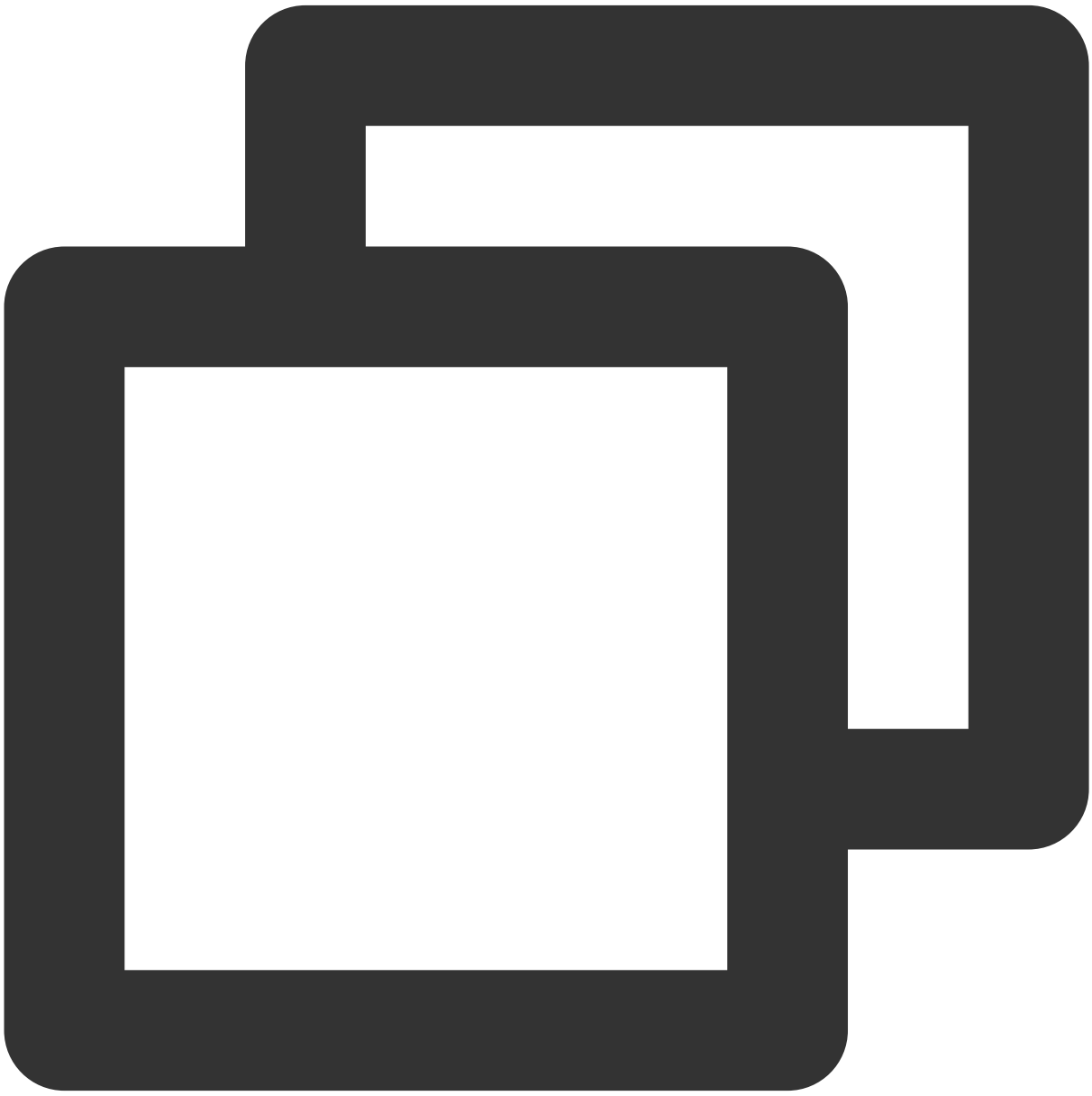
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>TranscodePro</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mxf</Format>
    </Container>
    <Video>
        <Codec>xavc</Codec>
        <Profile>XAVC-HD_422_10bit</Profile>
        <Width>1920</Width>
        <Height>1080</Height>
        <Interlaced>true</Interlaced>
        <Fps>30000/1001</Fps>
        <Bitrate>50000</Bitrate>
    </Video>
    <Audio>
        <Codec>pcm_s24le</Codec>
    </Audio>
    <TransConfig>
        <AdjDarMethod>scale</AdjDarMethod>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the professional transcoding template creation API.	Container	Yes

Response

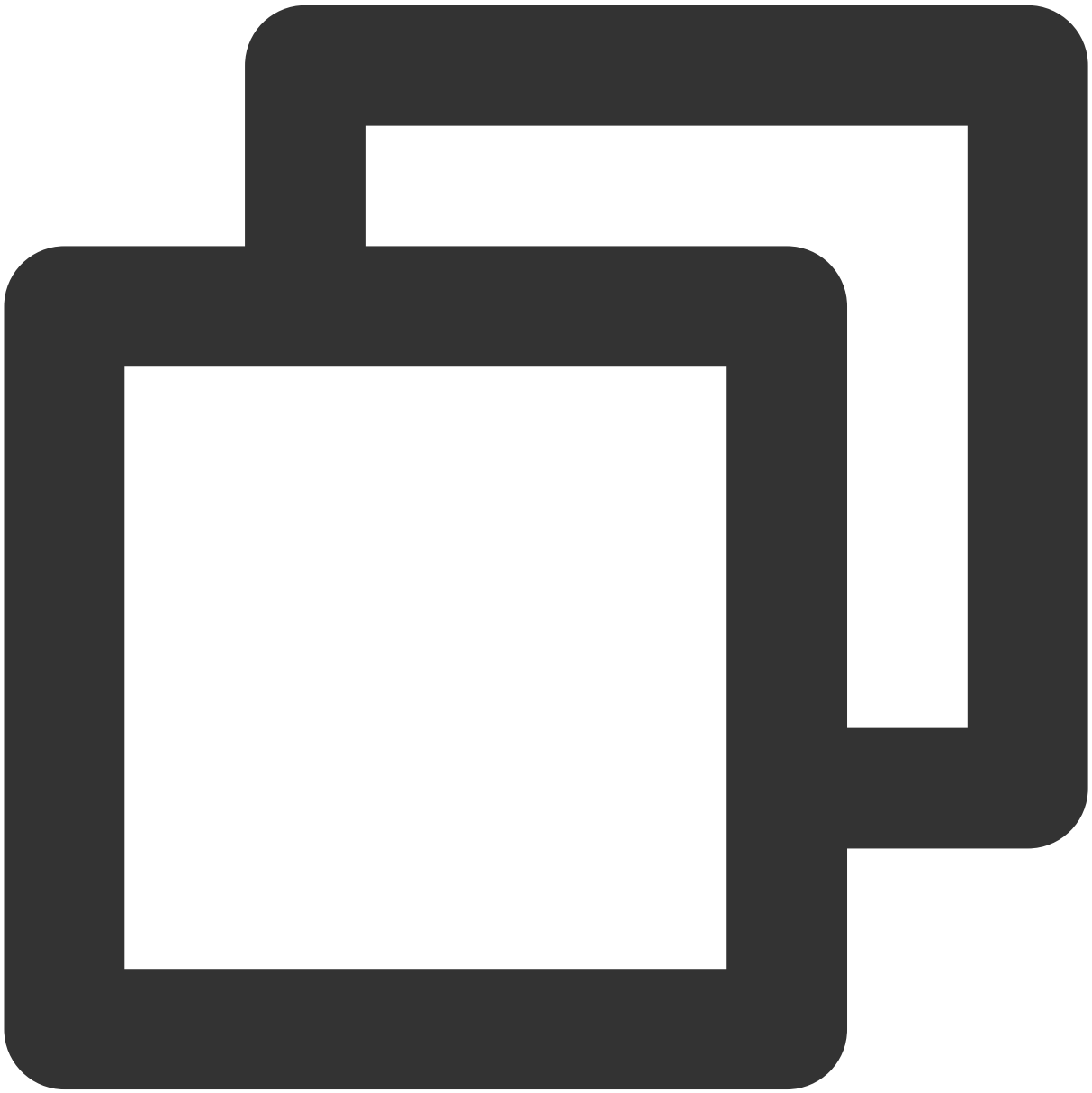
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

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The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <Template>
        <Tag>TranscodePro</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <Container>
            <Format>mxf</Format>
        </Container>
        <Video>
```

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```
            <Codec>xavc</Codec>
            <Profile>XAVC-HD_422_10bit</Profile>
            <Width>1920</Width>
            <Height>1080</Height>
            <Interlaced>true</Interlaced>
            <Fps>30000/1001</Fps>
            <Bitrate>50000</Bitrate>
        </Video>
        <Audio>
            <Codec>pcm_s24le</Codec>
        </Audio>
        <TransConfig>
            <AdjDarMethod>scale</AdjDarMethod>
            <IsCheckReso>false</IsCheckReso>
            <ResoAdjMethod>1</ResoAdjMethod>
        </TransConfig>
        <TimeInterval>
            <Start>0</Start>
            <Duration>60</Duration>
        </TimeInterval>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the professional transcoding template creation API.	Container

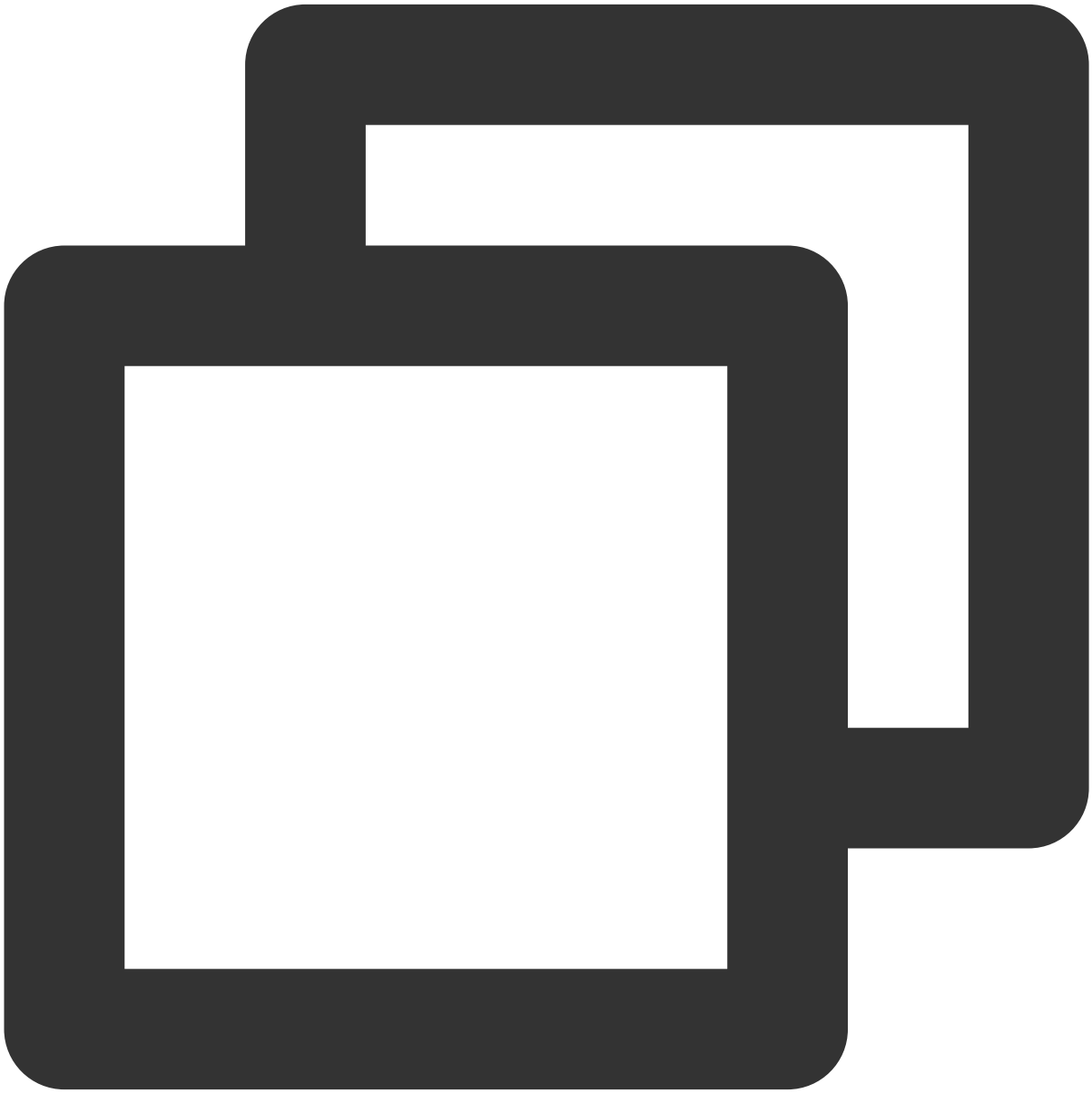
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

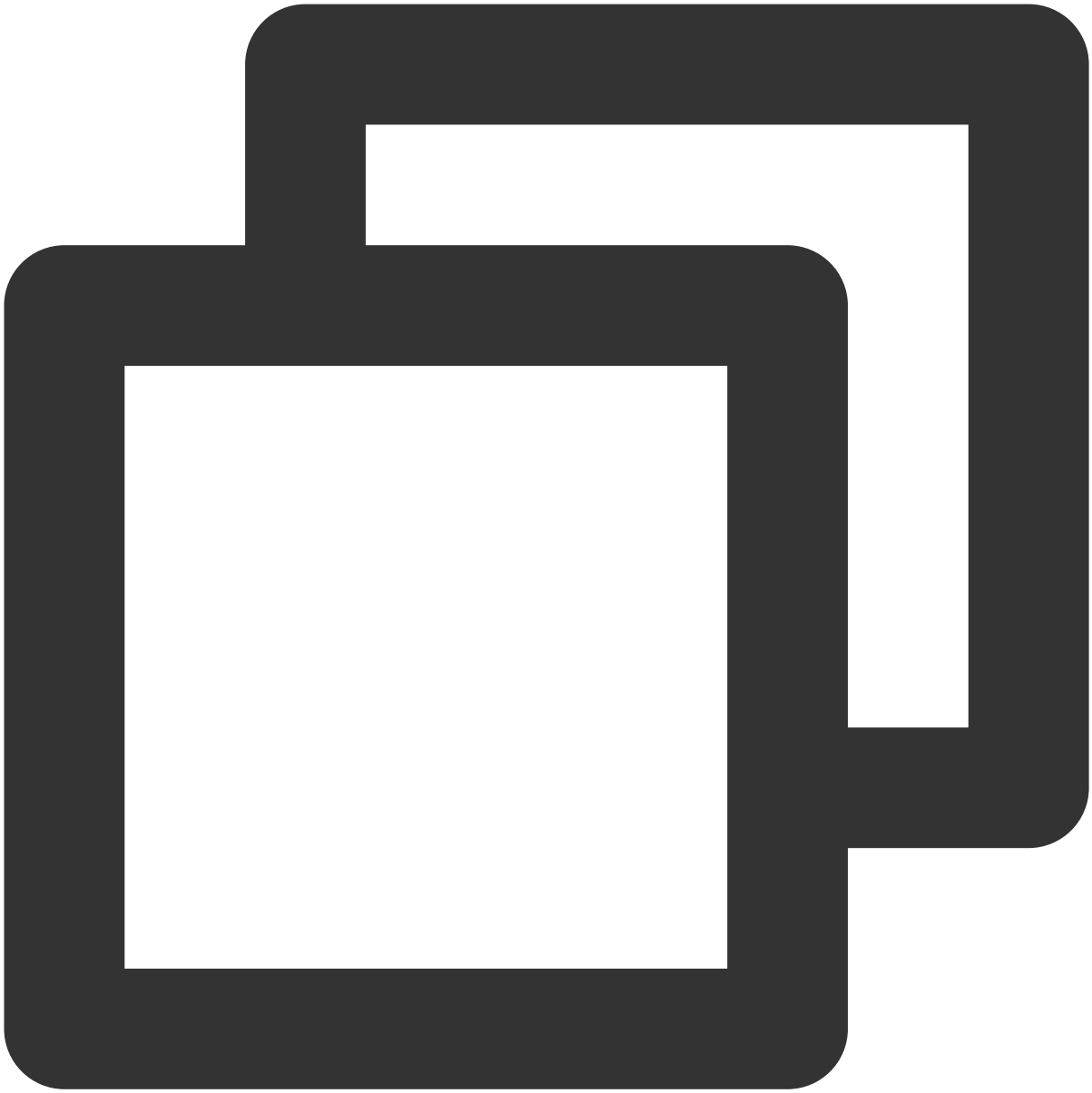
<Request>
    <Tag>TranscodePro</Tag>
    <Name>TemplateName</Name>
    <Container>
        <Format>mxf</Format>
```

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```
    </Container>
    <Video>
        <Codec>xavc</Codec>
        <Profile>XAVC-HD_422_10bit</Profile>
        <Width>1920</Width>
        <Height>1080</Height>
        <Interlaced>true</Interlaced>
        <Fps>30000/1001</Fps>
        <Bitrate>50000</Bitrate>
    </Video>
    <Audio>
        <Codec>pcm_s24le</Codec>
    </Audio>
    <TransConfig>
        <AdjDarMethod>scale</AdjDarMethod>
        <IsCheckReso>false</IsCheckReso>
        <ResoAdjMethod>1</ResoAdjMethod>
    </TransConfig>
    <TimeInterval>
        <Start>0</Start>
        <Duration>60</Duration>
    </TimeInterval>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>TranscodePro</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <Container>
            <Format>mxf</Format>
        </Container>
        <Video>
            <Codec>xavc</Codec>
            <Profile>XAVC-HD_422_10bit</Profile>
            <Width>1920</Width>
            <Height>1080</Height>
            <Interlaced>true</Interlaced>
            <Fps>30000/1001</Fps>
            <Bitrate>50000</Bitrate>
        </Video>
        <Audio>
            <Codec>pcm_s24le</Codec>
        </Audio>
        <TransConfig>
            <AdjDarMethod>scale</AdjDarMethod>
            <IsCheckReso>false</IsCheckReso>
            <ResoAdjMethod>1</ResoAdjMethod>
        </TransConfig>
        <TimeInterval>
            <Start>0</Start>
            <Duration>60</Duration>
        </TimeInterval>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Text-to-Speech Template

Last updated：2024-02-27 15:58:00

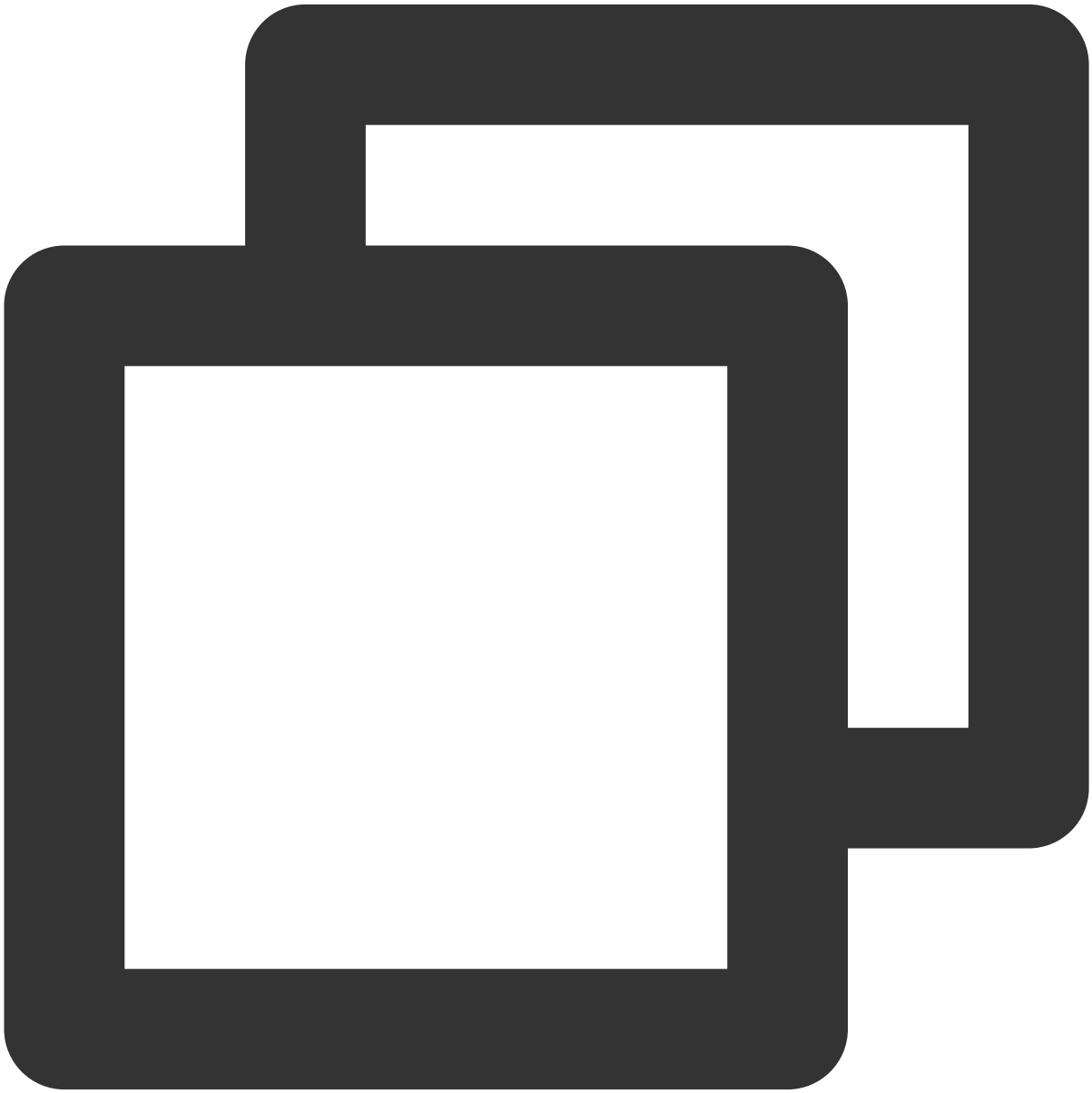
Feature Description

This API is used to update a text-to-speech template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

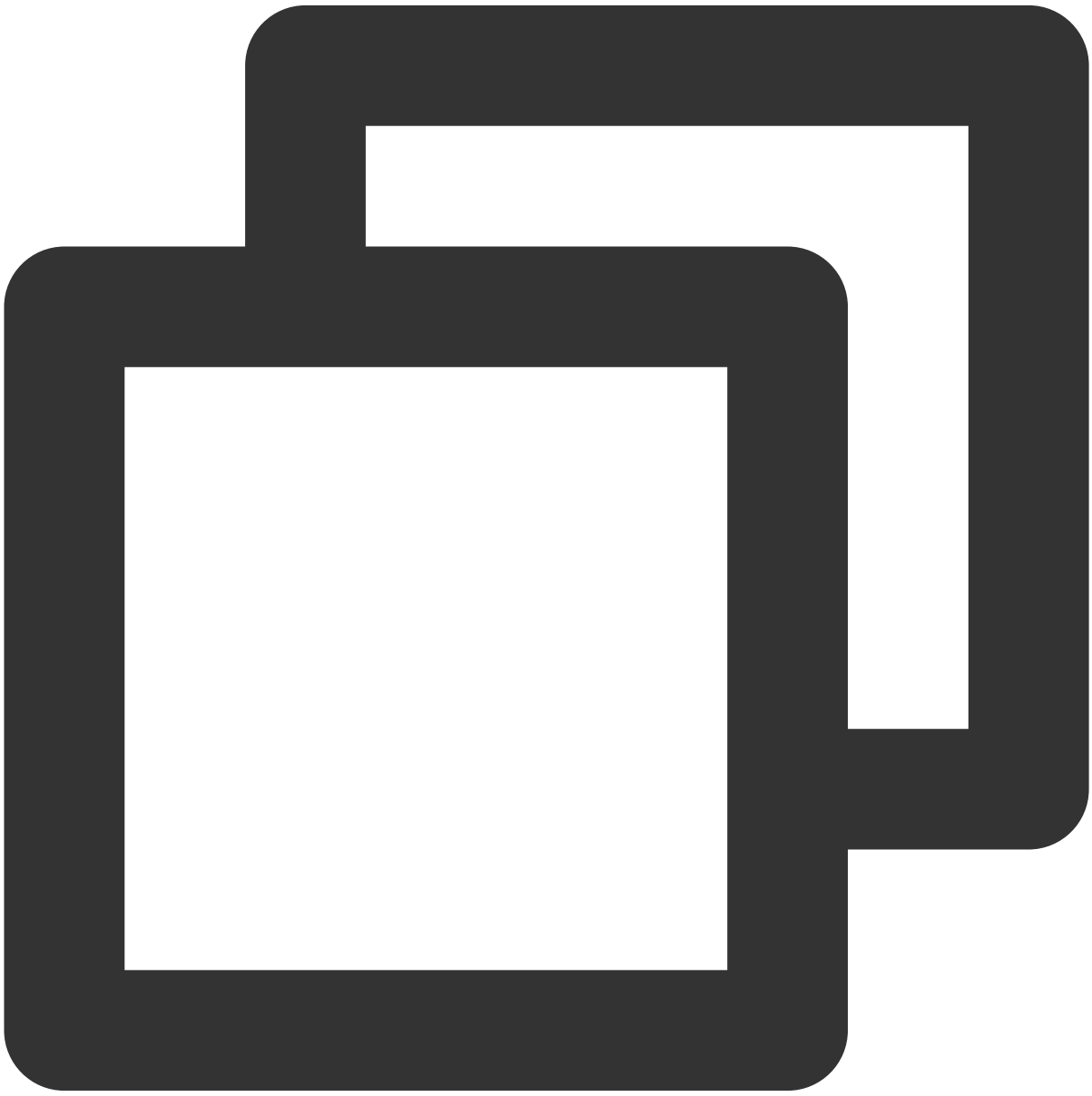
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Tts</Tag>
    <Name>TemplateName</Name>
    <Mode>Sync</Mode>
    <Codec>pcm</Codec>
    <VoiceType>ruxue</VoiceType>
    <Volume>2</Volume>
    <Speed>200</Speed>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the text-to-speech template creation API.	Container	Yes

Response

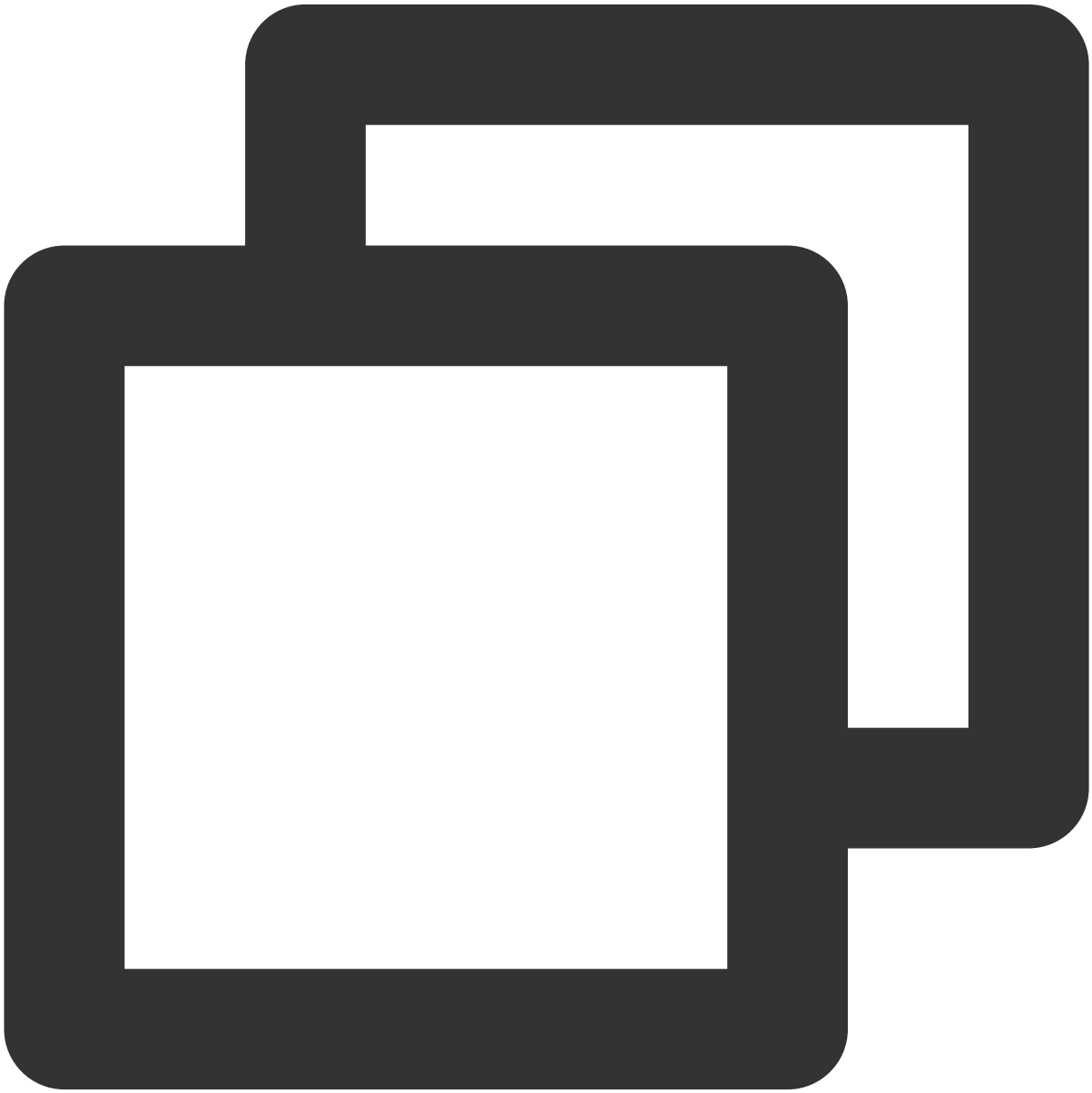
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>Tts</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <TtsTpl>
            <Mode>Sync</Mode>
            <Codec>pcm</Codec>
            <VoiceType>ruxue</VoiceType>
            <Volume>2</Volume>
            <Speed>200</Speed>
```

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```
        </TtsTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the text-to-speech template creation API.	Container

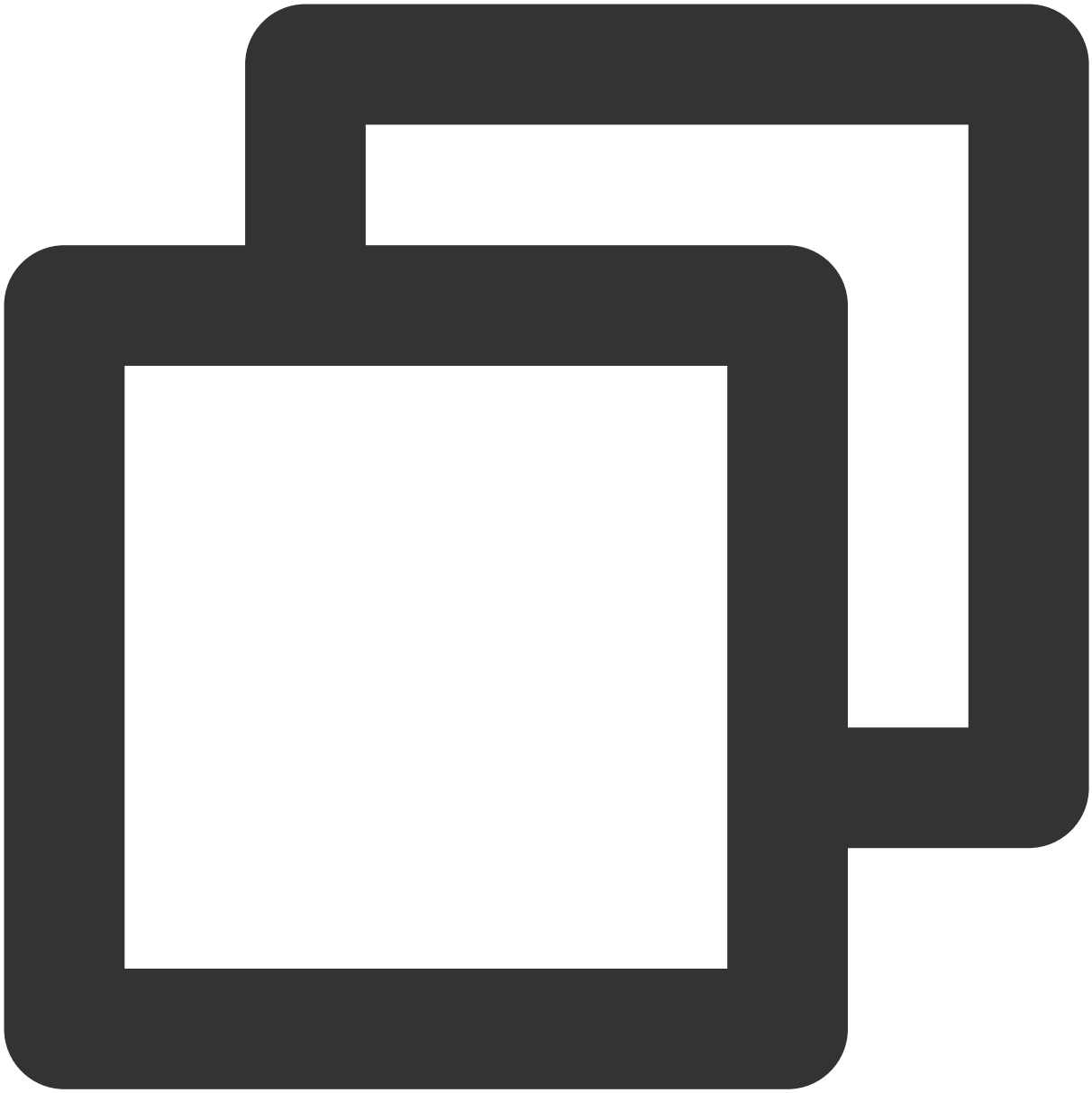
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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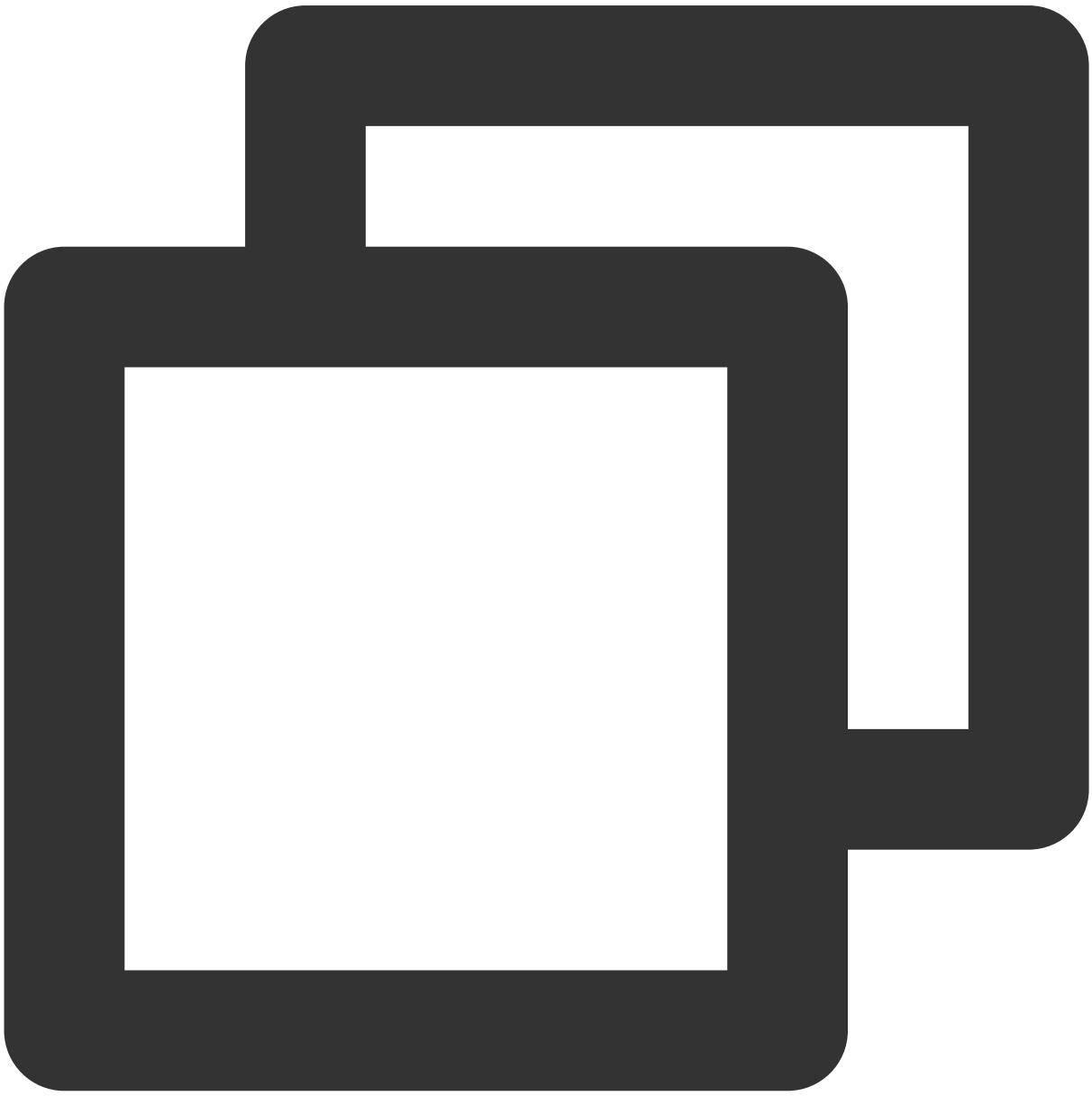
```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>Tts</Tag>
    <Name>TemplateName</Name>
    <Mode>Sync</Mode>
    <Codec>pcm</Codec>
```

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```
    <VoiceType>ruxue</VoiceType>
    <Volume>2</Volume>
    <Speed>200</Speed>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
```

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```
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>Tts</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <TtsTpl>
            <Mode>Sync</Mode>
            <Codec>pcm</Codec>
            <VoiceType>ruxue</VoiceType>
            <Volume>2</Volume>
            <Speed>200</Speed>
        </TtsTpl>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Video Montage Template

Last updated：2024-02-27 15:58:00

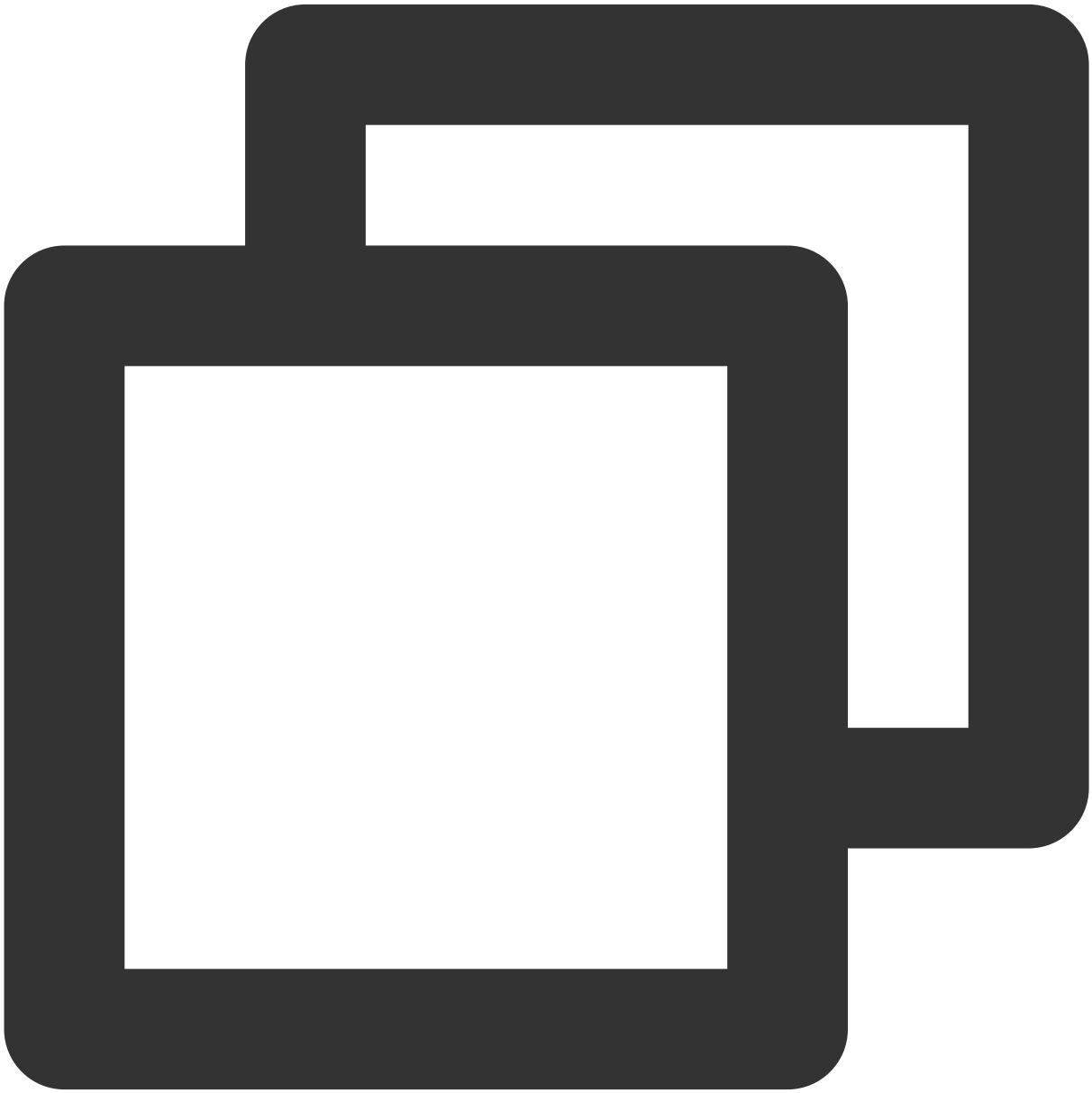
Feature Description

This API is used to update a video montage template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

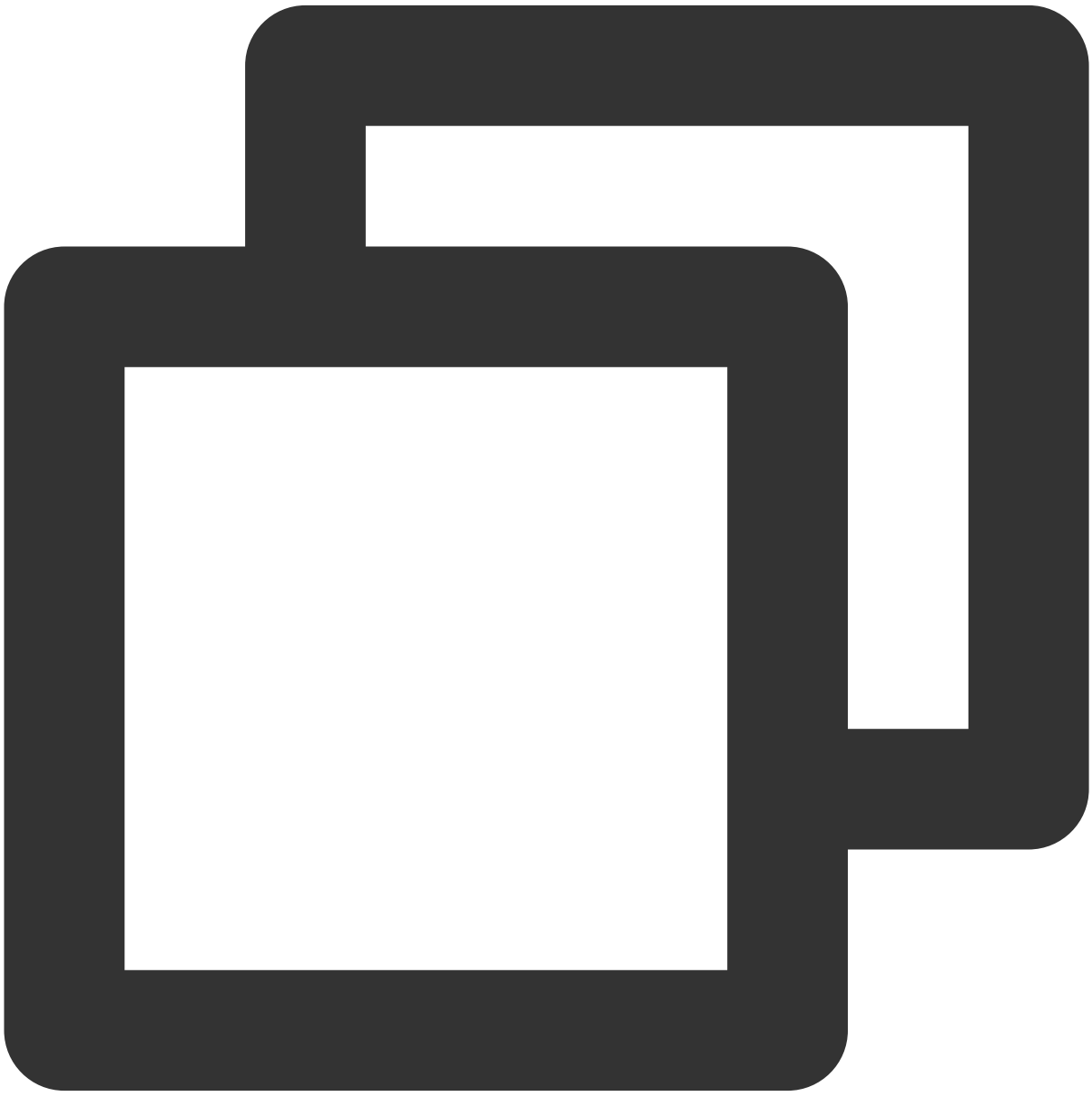
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VideoMontage</Tag>
    <Name>TemplateName</Name>
    <Duration>10.5</Duration>
    <Container>
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
        <Remove>false</Remove>
    </Audio>
    <AudioMix>
        <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3</AudioS
        <MixMode>Once</MixMode>
        <Replace>true</Replace>
    </AudioMix>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the video montage template creation API.	Container	Yes

Response

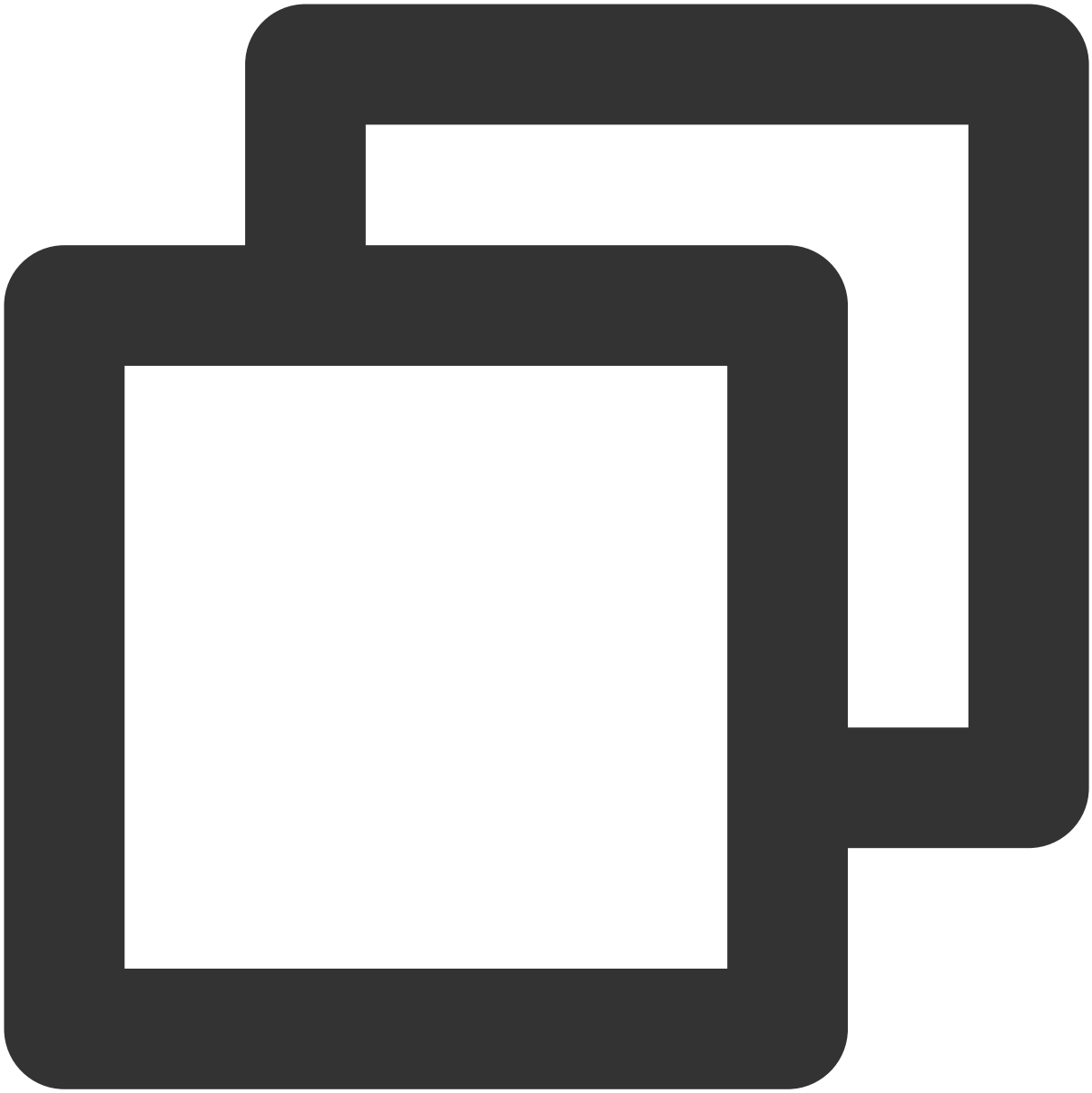
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>VideoMontage</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <VideoMontage>
            <Duration>10.5</Duration>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
```

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```
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
                <Remove>false</Remove>
            </Audio>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
            </AudioMix>
        </VideoMontage>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the video montage template creation API.	Container

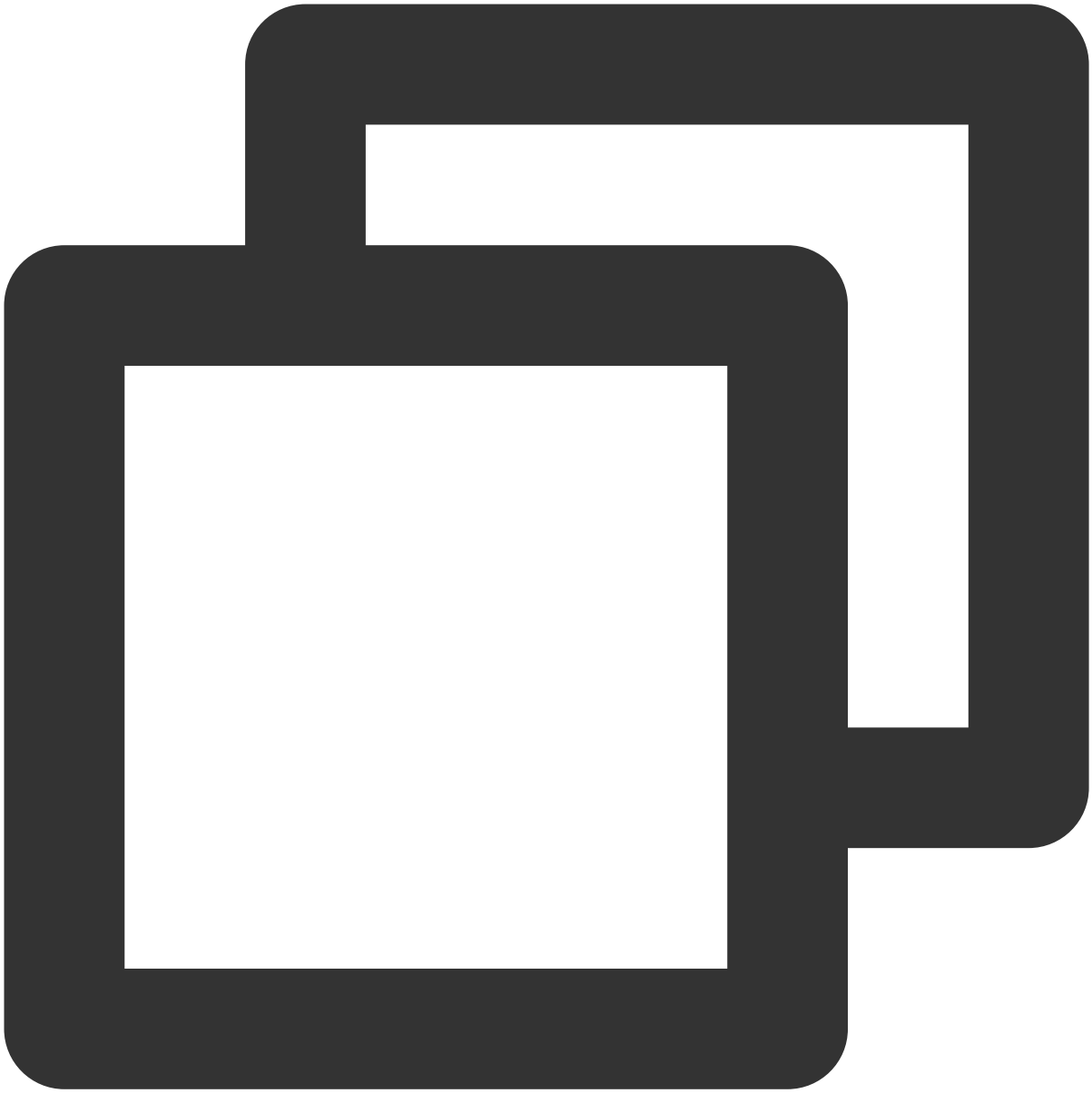
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

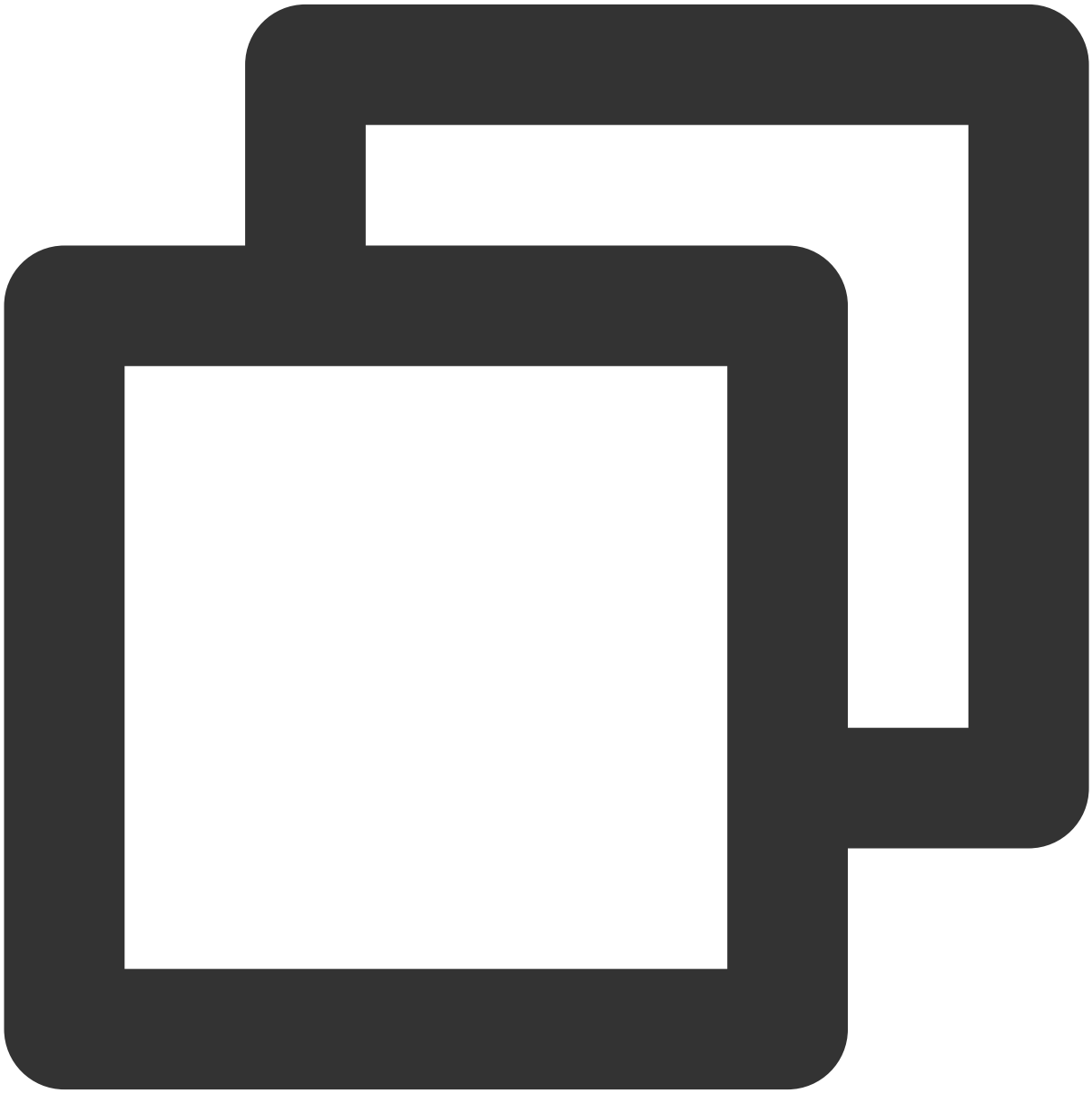
<Request>
    <Tag>VideoMontage</Tag>
    <Name>TemplateName</Name>
    <Duration>10.5</Duration>
    <Container>
```

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```
        <Format>mp4</Format>
    </Container>
    <Video>
        <Codec>H.264</Codec>
        <Bitrate>1000</Bitrate>
        <Width>1280</Width>
        <Fps>30</Fps>
    </Video>
    <Audio>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
        <Remove>false</Remove>
    </Audio>
    <AudioMix>
        <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3</AudioS
        <MixMode>Once</MixMode>
        <Replace>true</Replace>
    </AudioMix>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>VideoMontage</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <VideoMontage>
            <Duration>10.5</Duration>
            <Container>
                <Format>mp4</Format>
            </Container>
            <Video>
                <Codec>H.264</Codec>
                <Bitrate>1000</Bitrate>
                <Width>1280</Width>
                <Fps>30</Fps>
            </Video>
            <Audio>
                <Codec>aac</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>128</Bitrate>
                <Channels>4</Channels>
                <Remove>false</Remove>
            </Audio>
            <AudioMix>
                <AudioSource>https://test-xxx.cos.ap-chongqing.myqcloud.com/mix.mp3
                <MixMode>Once</MixMode>
                <Replace>true</Replace>
            </AudioMix>
        </VideoMontage>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Video Enhancement Template

Last updated：2024-02-27 15:58:00

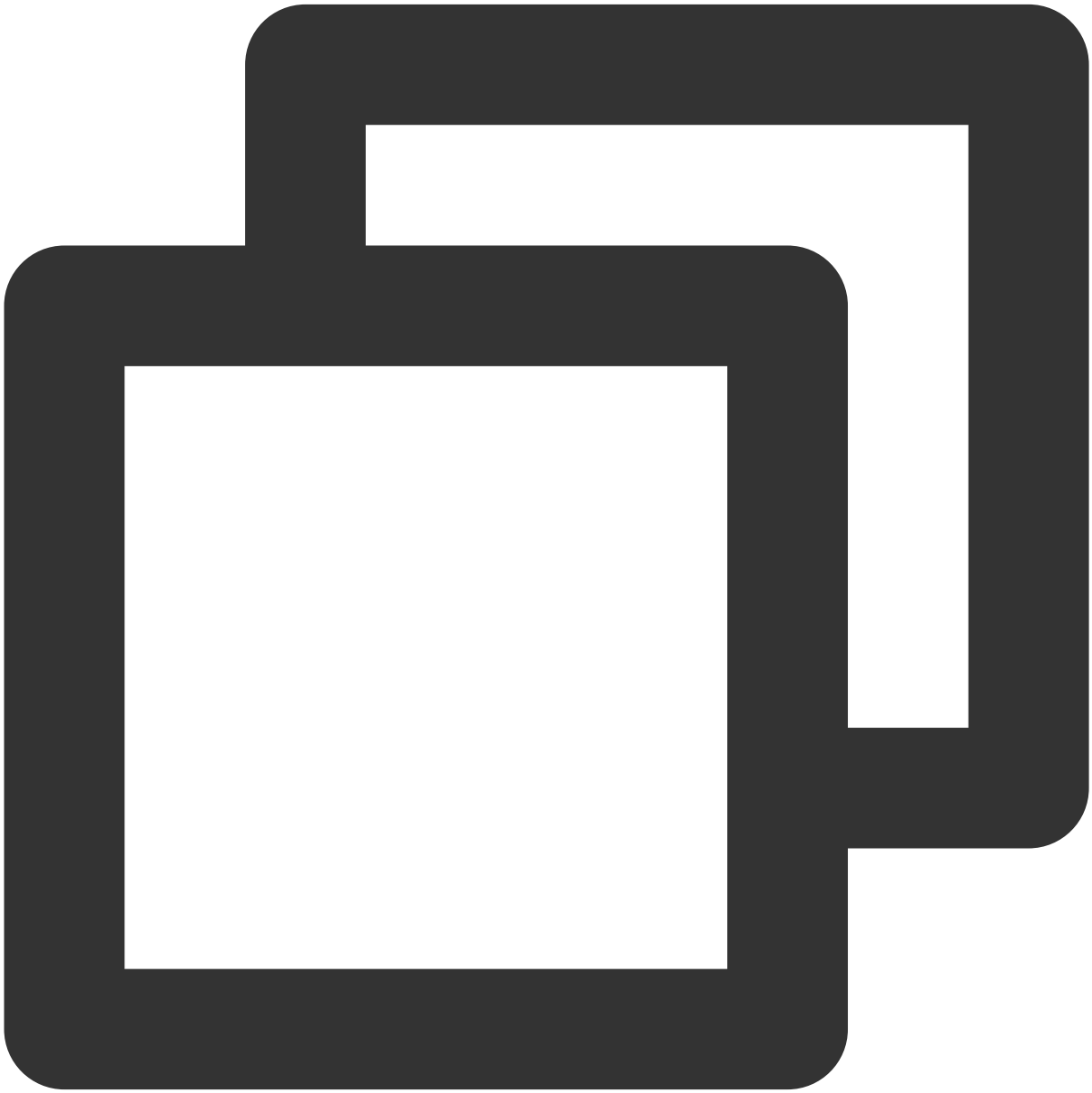
Feature Description

This API is used to update a video enhancement template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

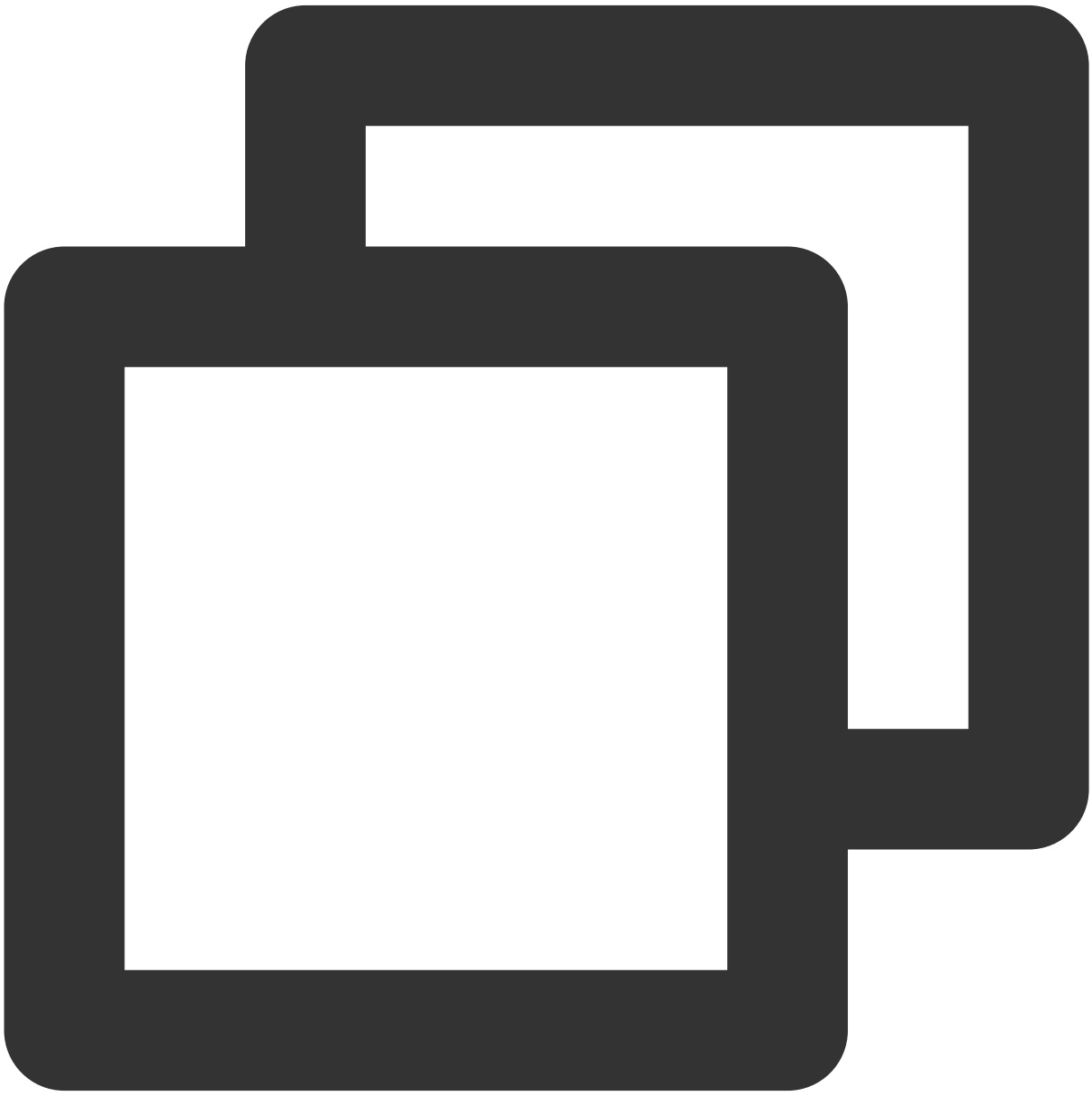
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VideoProcess</Tag>
    <Name>TemplateName</Name>
    <ColorEnhance>
        <Enable>true</Enable>
        <Contrast></Contrast>
        <Correction></Correction>
        <Saturation></Saturation>
    </ColorEnhance>
    <MsSharpen>
        <Enable>true</Enable>
        <SharpenLevel></SharpenLevel>
    </MsSharpen>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the video enhancement template creation API.	Container	Yes

Response

Response headers

Note:

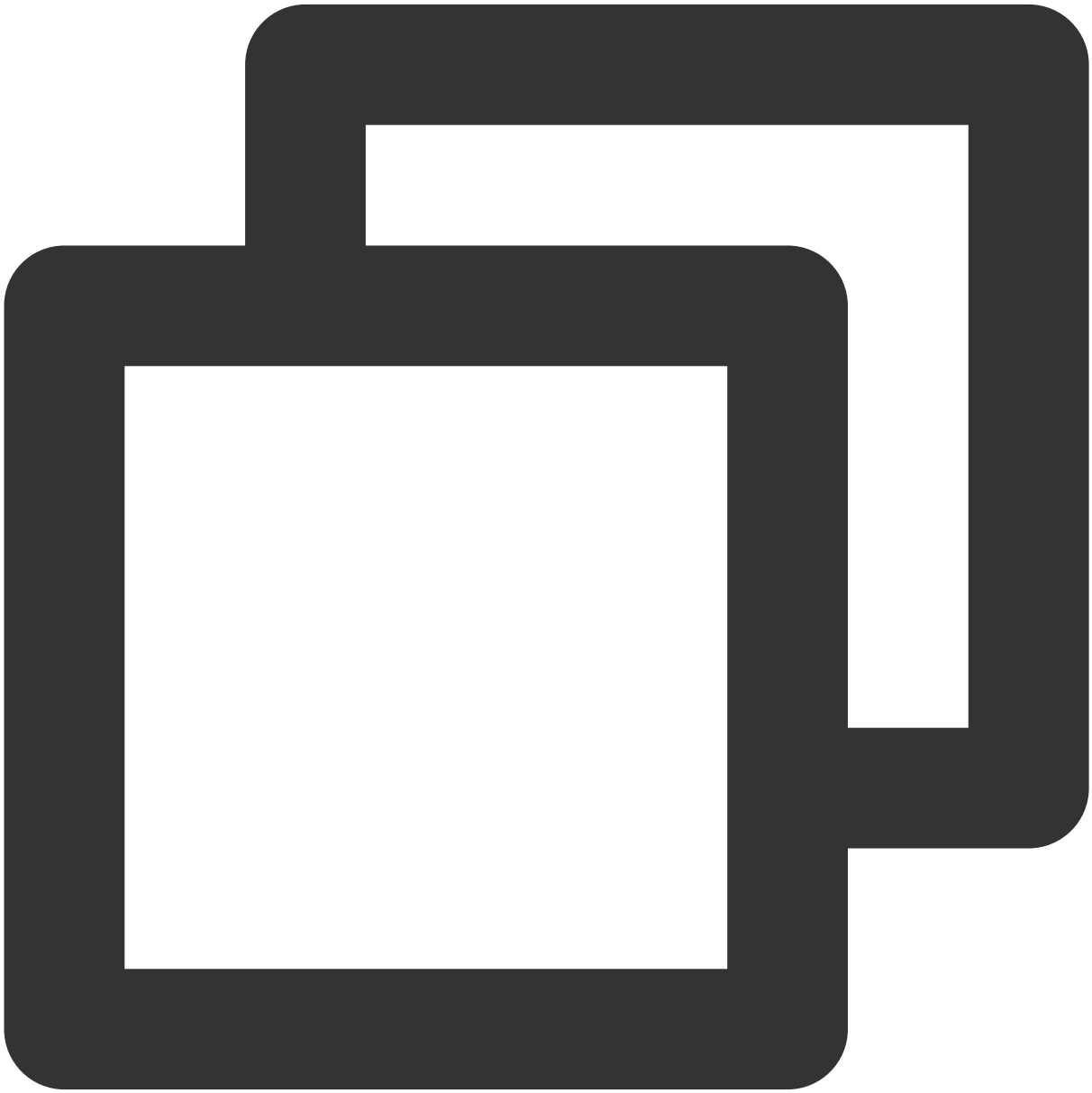
Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>VideoProcess</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <VideoProcess>
            <ColorEnhance>
                <Enable>true</Enable>
                <Contrast></Contrast>
                <Correction></Correction>
                <Saturation></Saturation>
```

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```
            </ColorEnhance>
            <MsSharpen>
                <Enable>true</Enable>
                <SharpenLevel></SharpenLevel>
            </MsSharpen>
        </VideoProcess>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the video enhancement template creation API.	Container

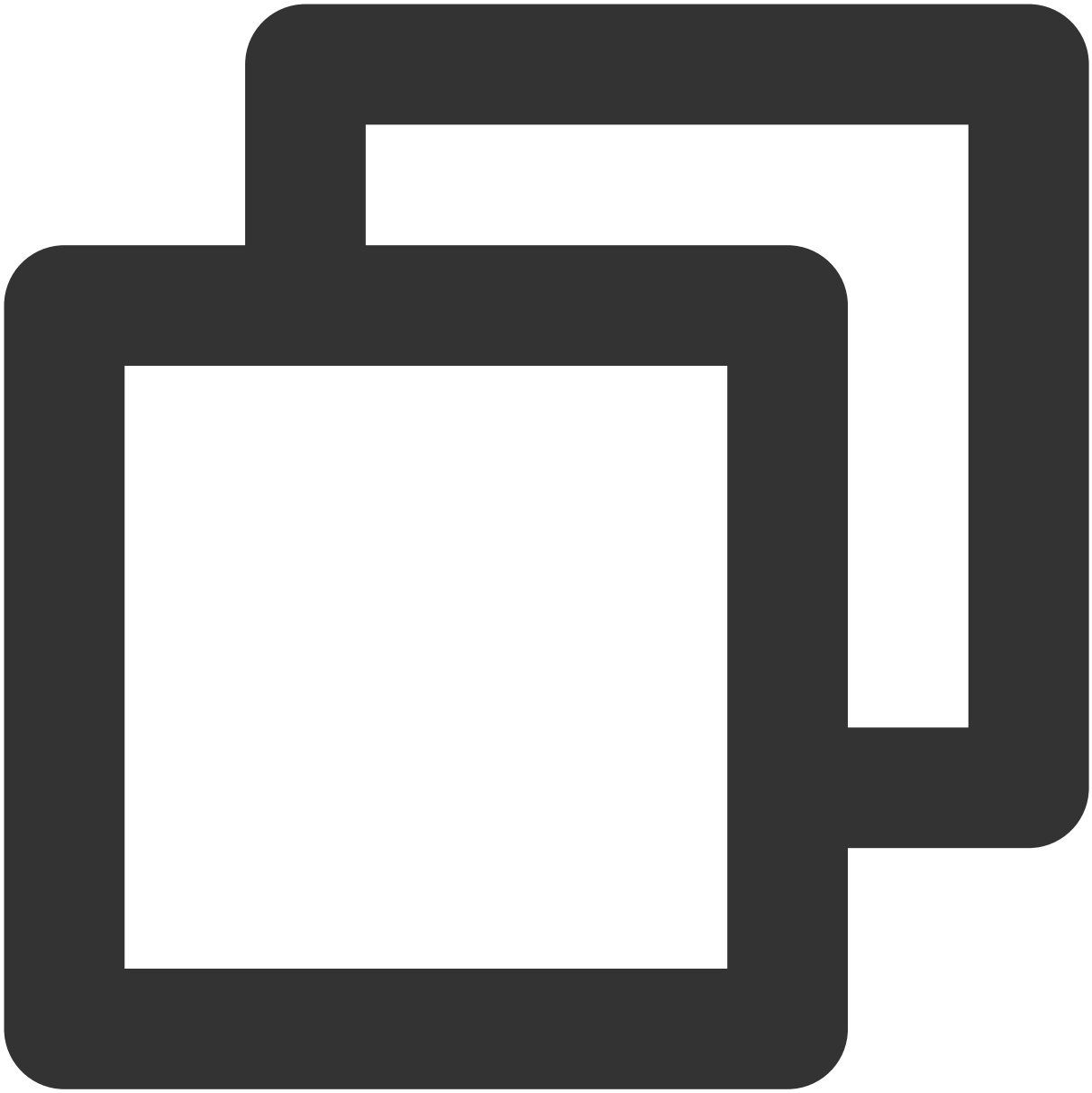
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

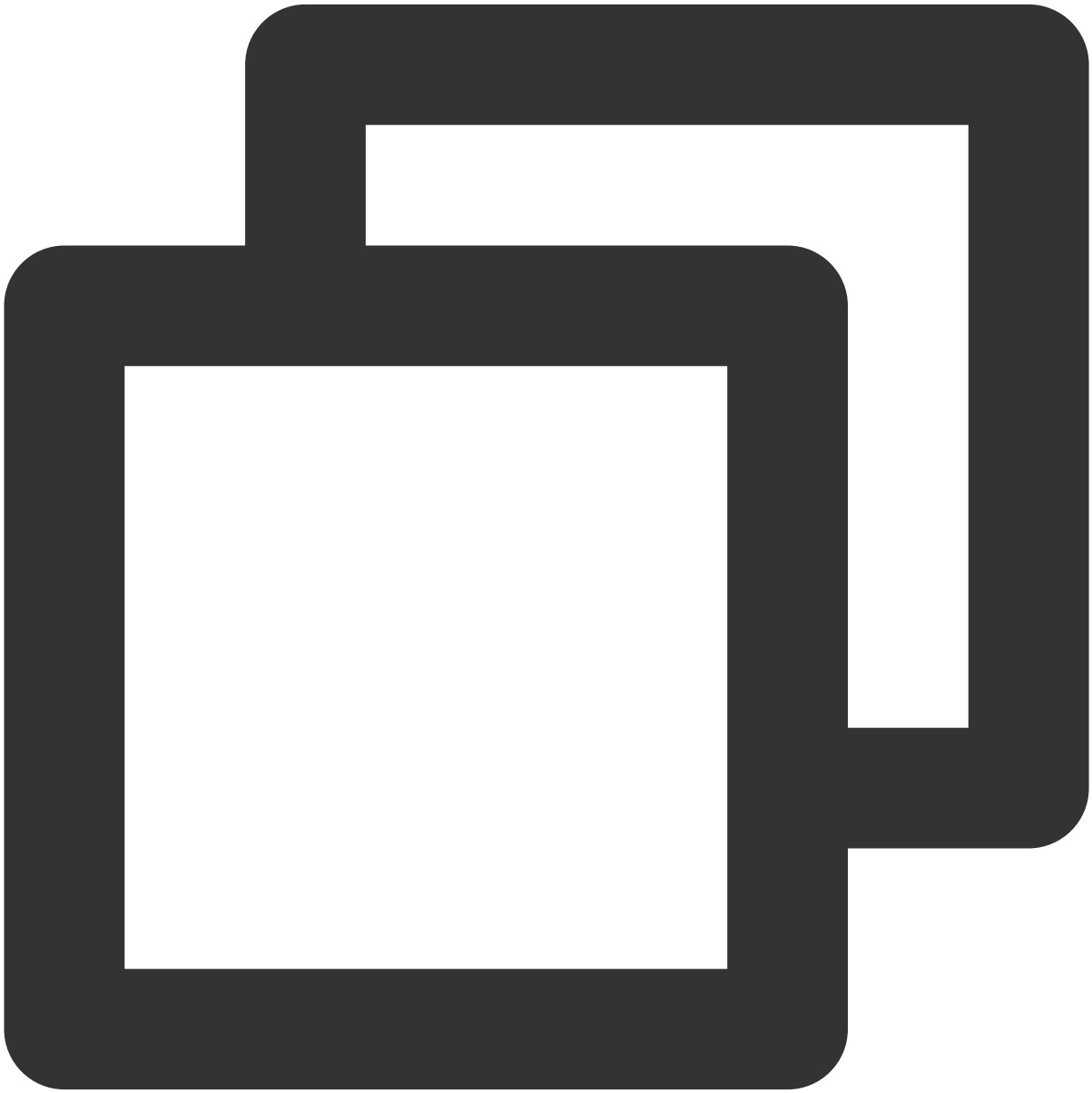
<Request>
    <Tag>VideoProcess</Tag>
    <Name>TemplateName</Name>
    <ColorEnhance>
        <Enable>true</Enable>
```

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```
        <Contrast></Contrast>
        <Correction></Correction>
        <Saturation></Saturation>
    </ColorEnhance>
    <MsSharpen>
        <Enable>true</Enable>
        <SharpenLevel></SharpenLevel>
    </MsSharpen>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>VideoProcess</Tag>
```

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```
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <VideoProcess>
            <ColorEnhance>
                <Enable>true</Enable>
                <Contrast></Contrast>
                <Correction></Correction>
                <Saturation></Saturation>
            </ColorEnhance>
            <MsSharpen>
                <Enable>true</Enable>
                <SharpenLevel></SharpenLevel>
            </MsSharpen>
        </VideoProcess>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Voice/Sound Separation Template

Last updated：2024-02-27 15:58:00

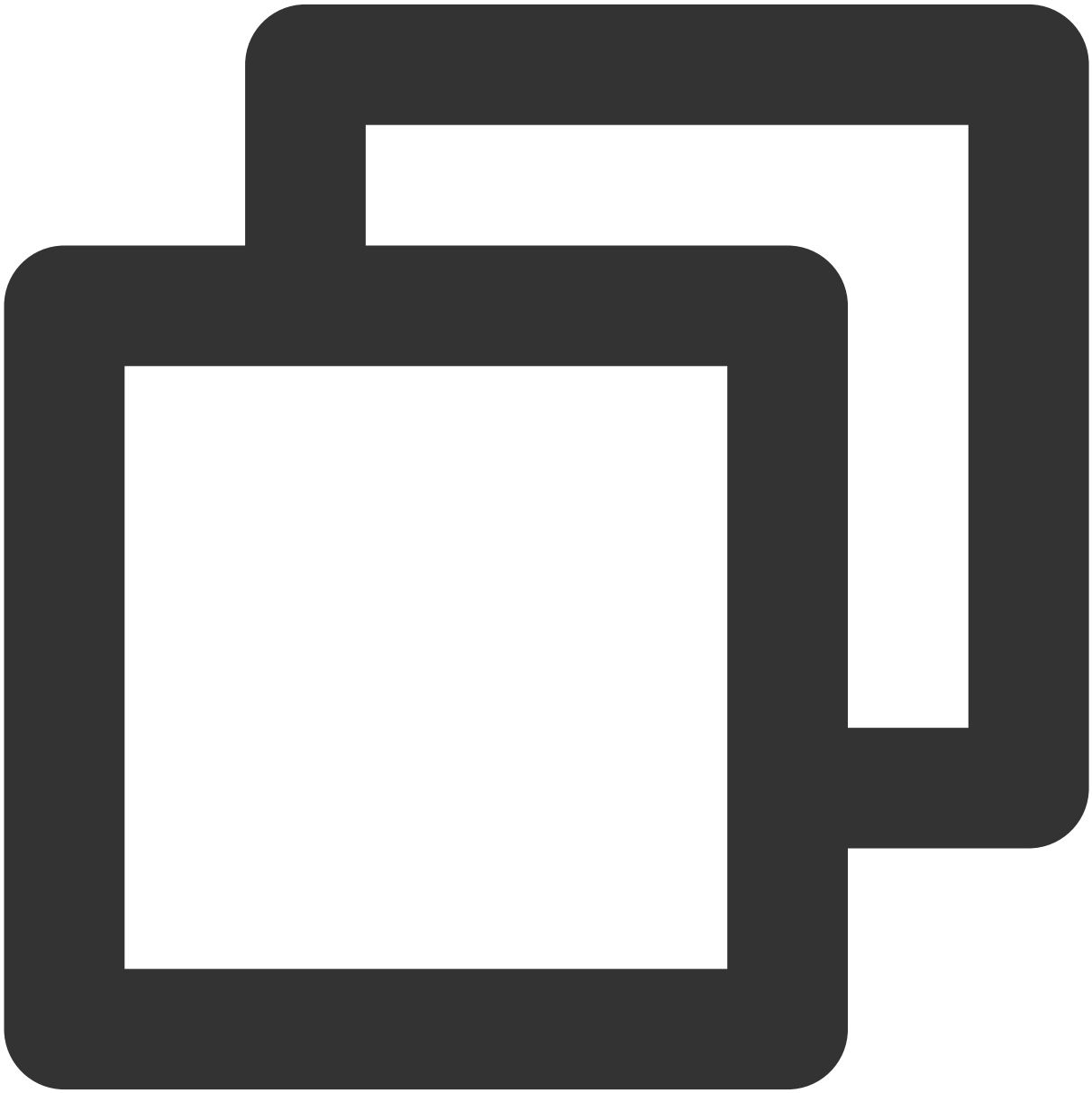
Feature Description

This API is used to update a voice/sound separation template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

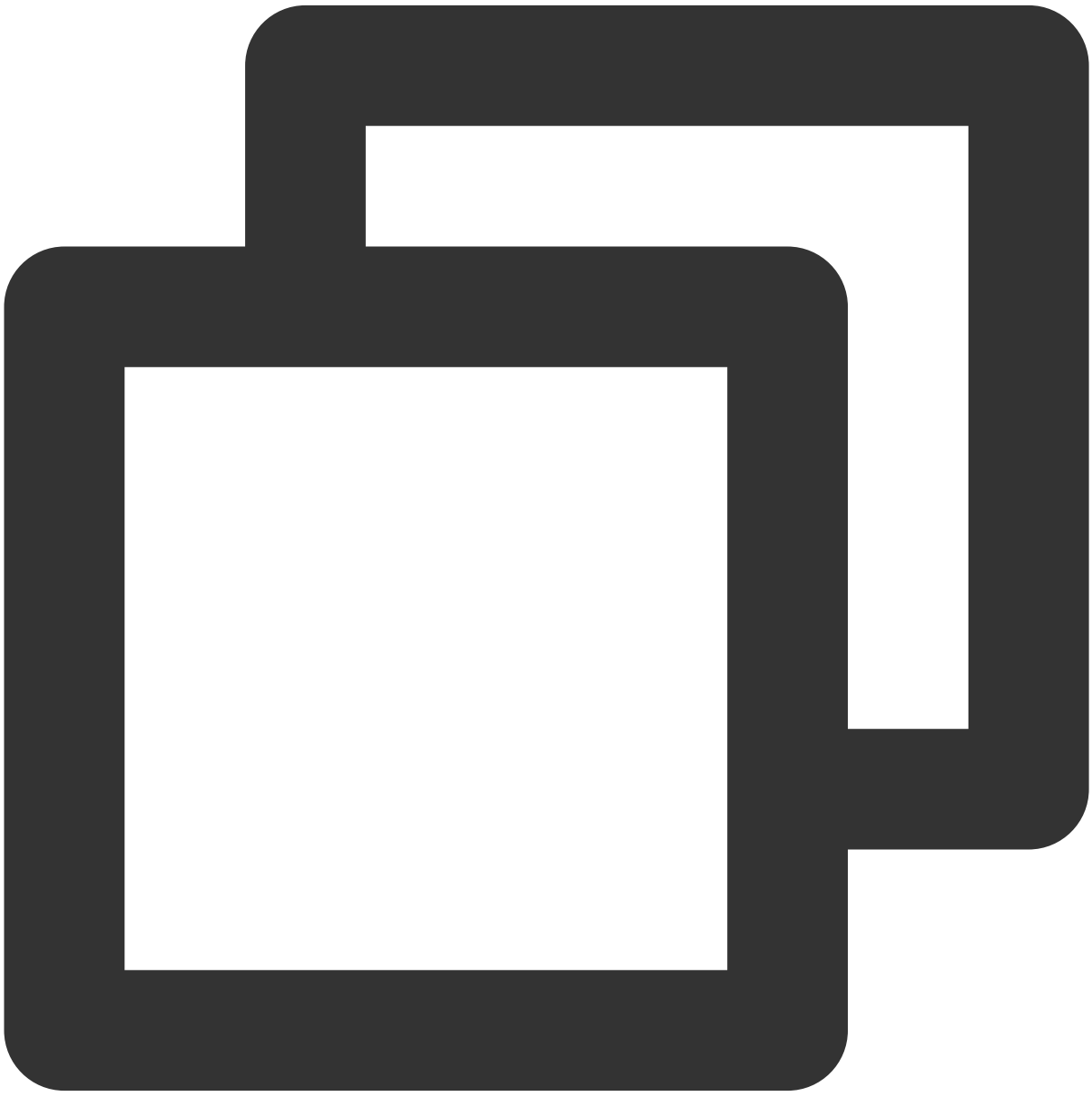
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>VoiceSeparate</Tag>
    <Name>TemplateName</Name>
    <AudioMode>IsAudio</AudioMode>
    <AudioConfig>
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>2</Channels>
    </AudioConfig>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the voice/sound separation template creation API.	Container	Yes

Response

Response headers

Note:

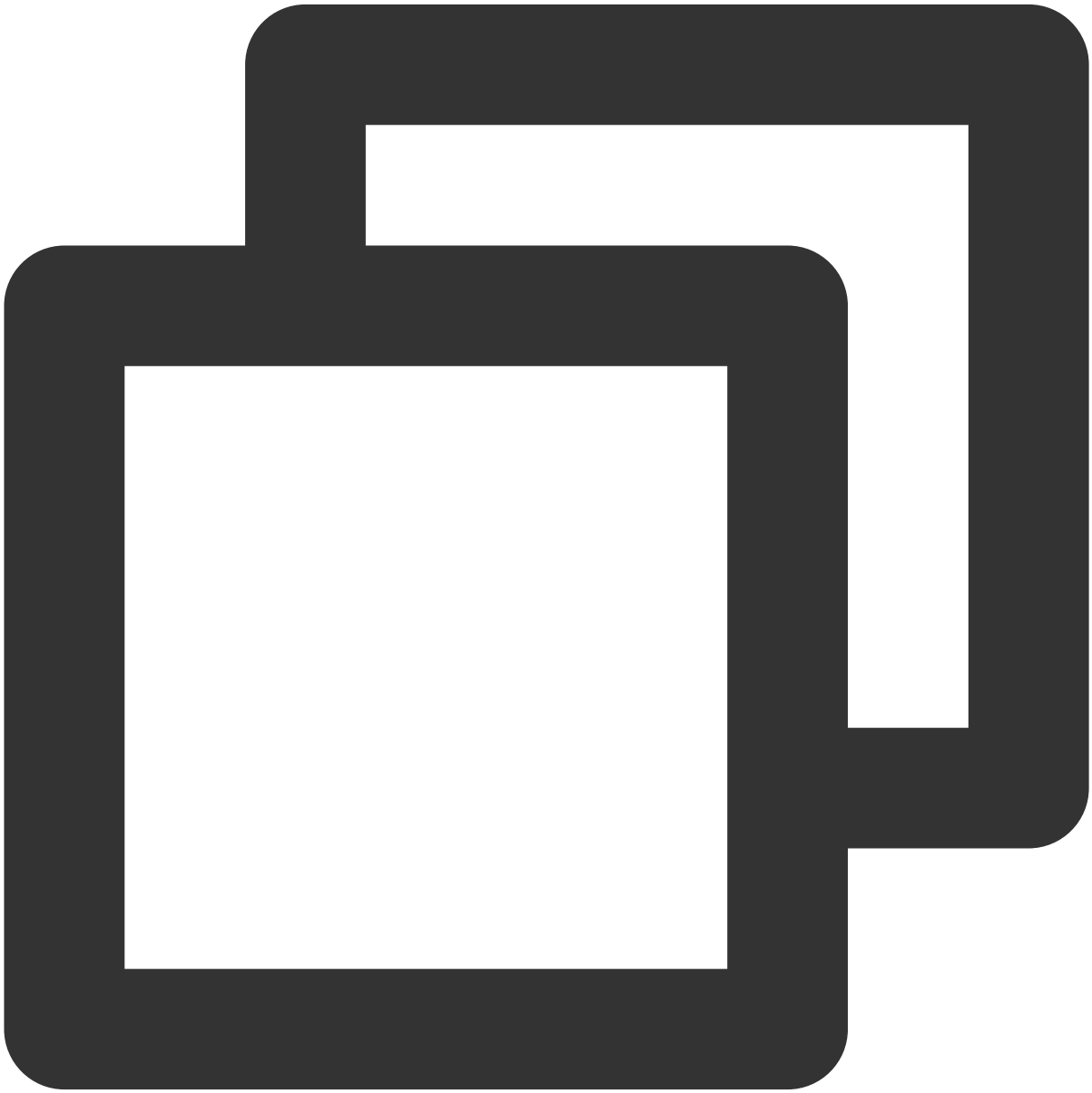
Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>VoiceSeparate</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <VoiceSeparate>
            <AudioMode>IsAudio</AudioMode>
            <AudioConfig>
                <Codec>mp3</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>12</Bitrate>
```

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```
                <Channels>2</Channels>
            </AudioConfig>
        </VoiceSeparate>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the voice/sound separation template creation API.	Container

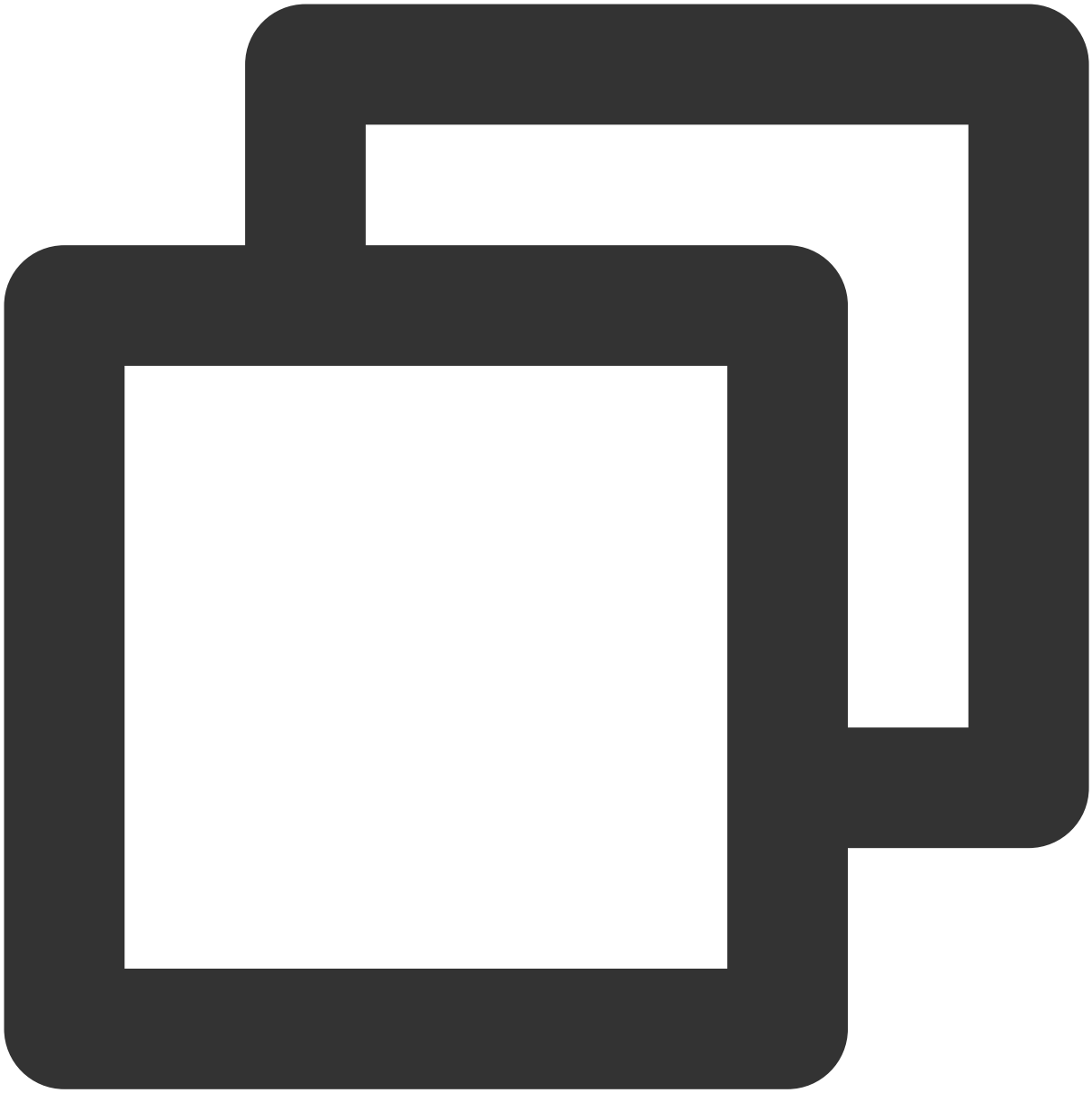
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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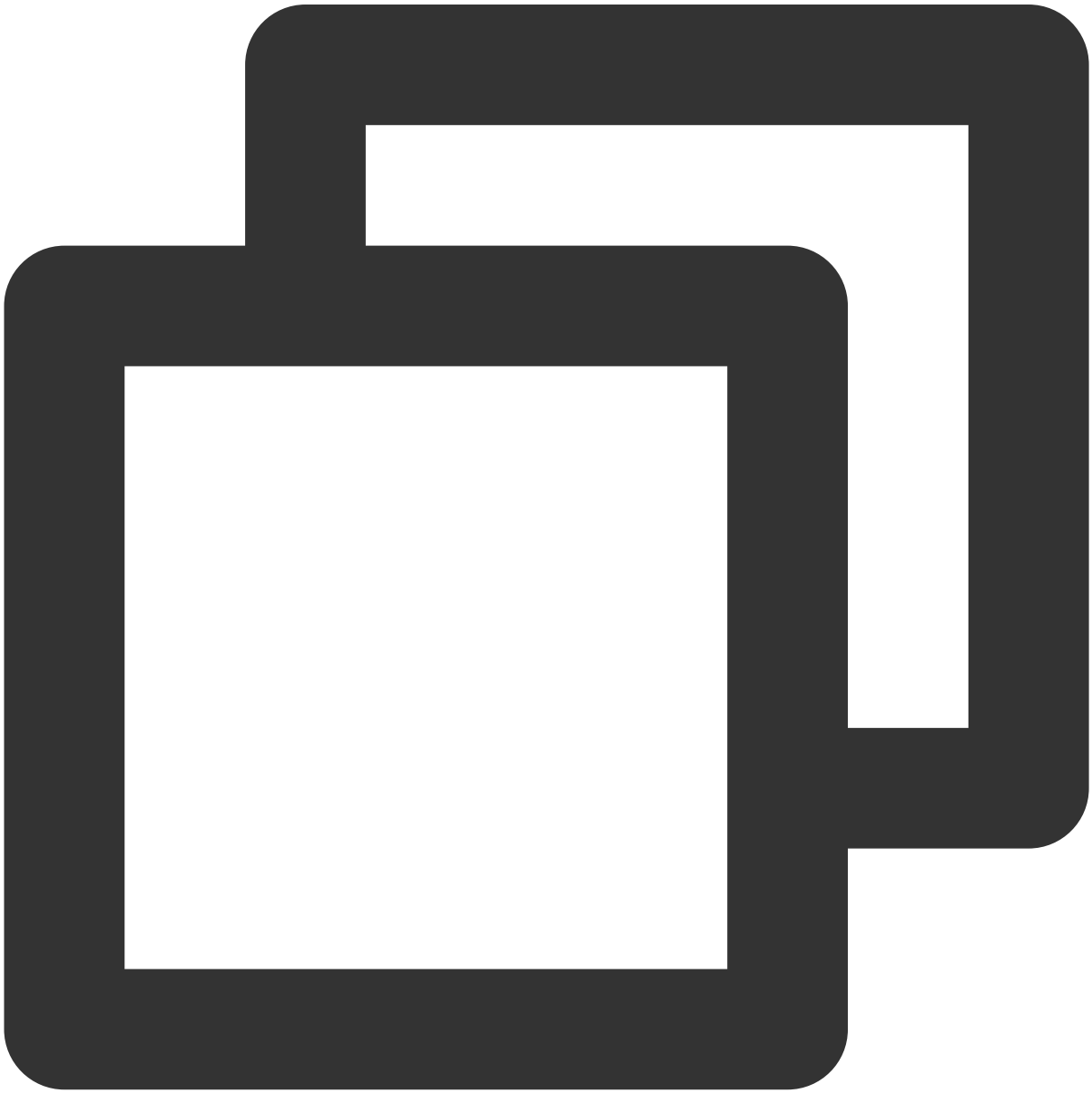
```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>VoiceSeparate</Tag>
    <Name>TemplateName</Name>
    <AudioMode>IsAudio</AudioMode>
    <AudioConfig>
```

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```
        <Codec>aac</Codec>
        <Samplerate>44100</Samplerate>
        <Bitrate>128</Bitrate>
        <Channels>4</Channels>
    </AudioConfig>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
```

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```
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <Tag>VoiceSeparate</Tag>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <VoiceSeparate>
            <AudioMode>IsAudio</AudioMode>
            <AudioConfig>
                <Codec>mp3</Codec>
                <Samplerate>44100</Samplerate>
                <Bitrate>12</Bitrate>
                <Channels>2</Channels>
            </AudioConfig>
        </VoiceSeparate>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Watermark Template

Last updated：2024-02-27 15:58:00

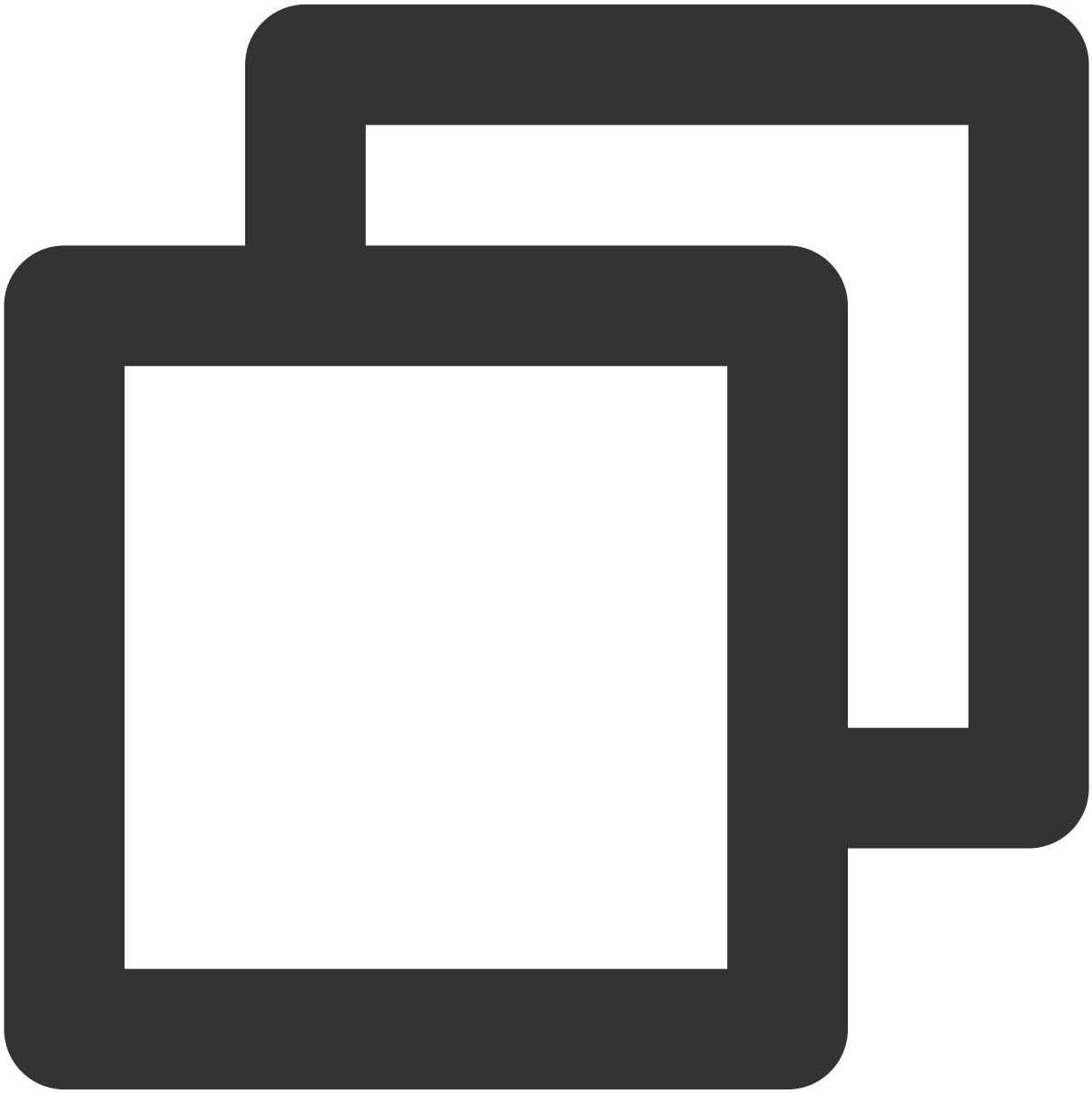
Feature Description

This API is used to update a watermark template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

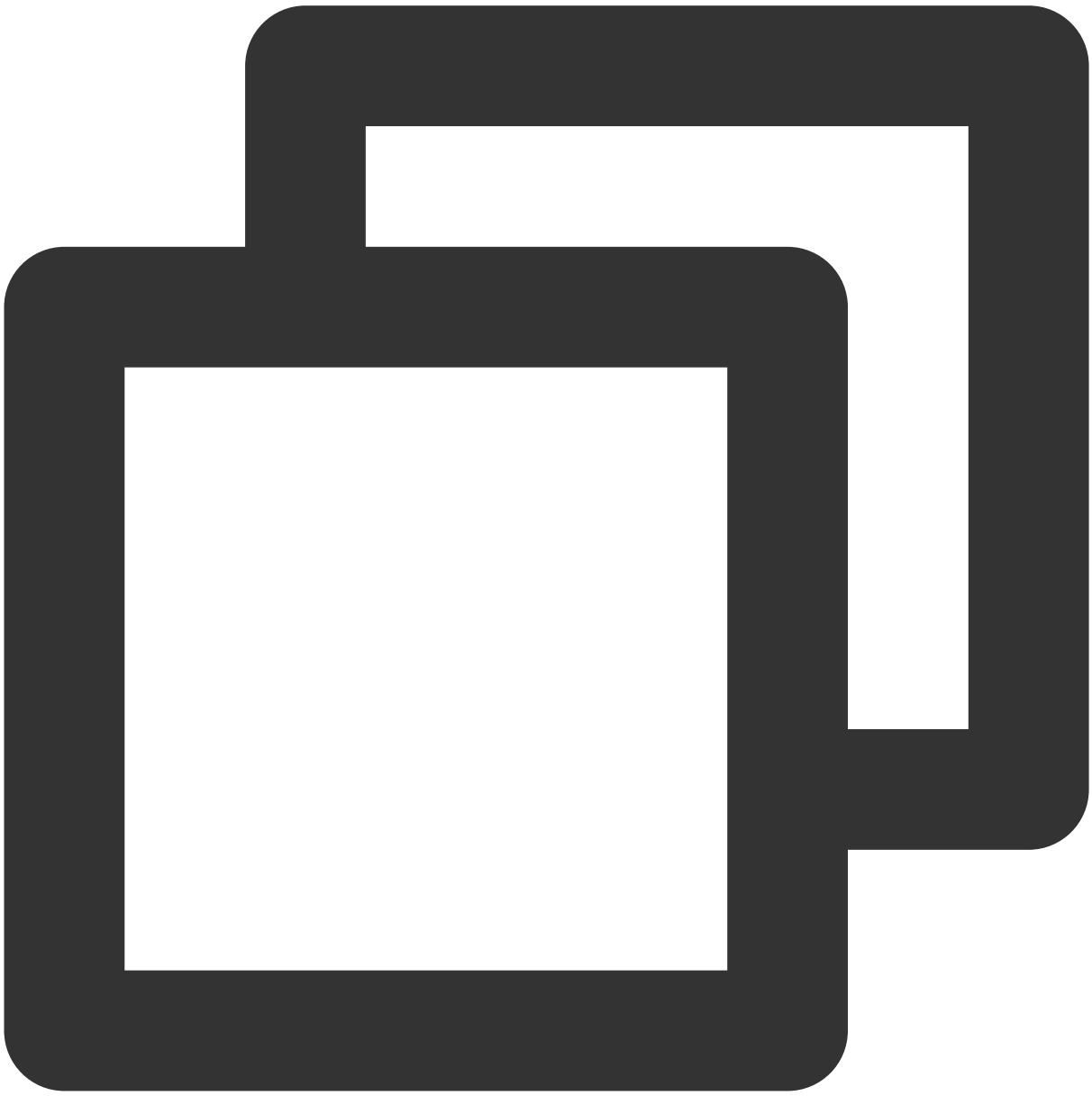
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>Watermark</Tag>
    <Name>TemplateName</Name>
    <Watermark>
        <Type>Text</Type>
        <LocMode>Absolute</LocMode>
        <Dx>128</Dx>
        <Dy>128</Dy>
        <Pos>TopRight</Pos>
        <StartTime>0</StartTime>
        <EndTime>100.5</EndTime>
        <Text>
            <Text>Watermark content</Text>
            <FontSize>30</FontSize>
            <FontType></FontType>
            <FontColor>0xRRGGBB</FontColor>
            <Transparency>30</Transparency>
        </Text>
    </Watermark>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the watermark template creation API.	Container	Yes

Response

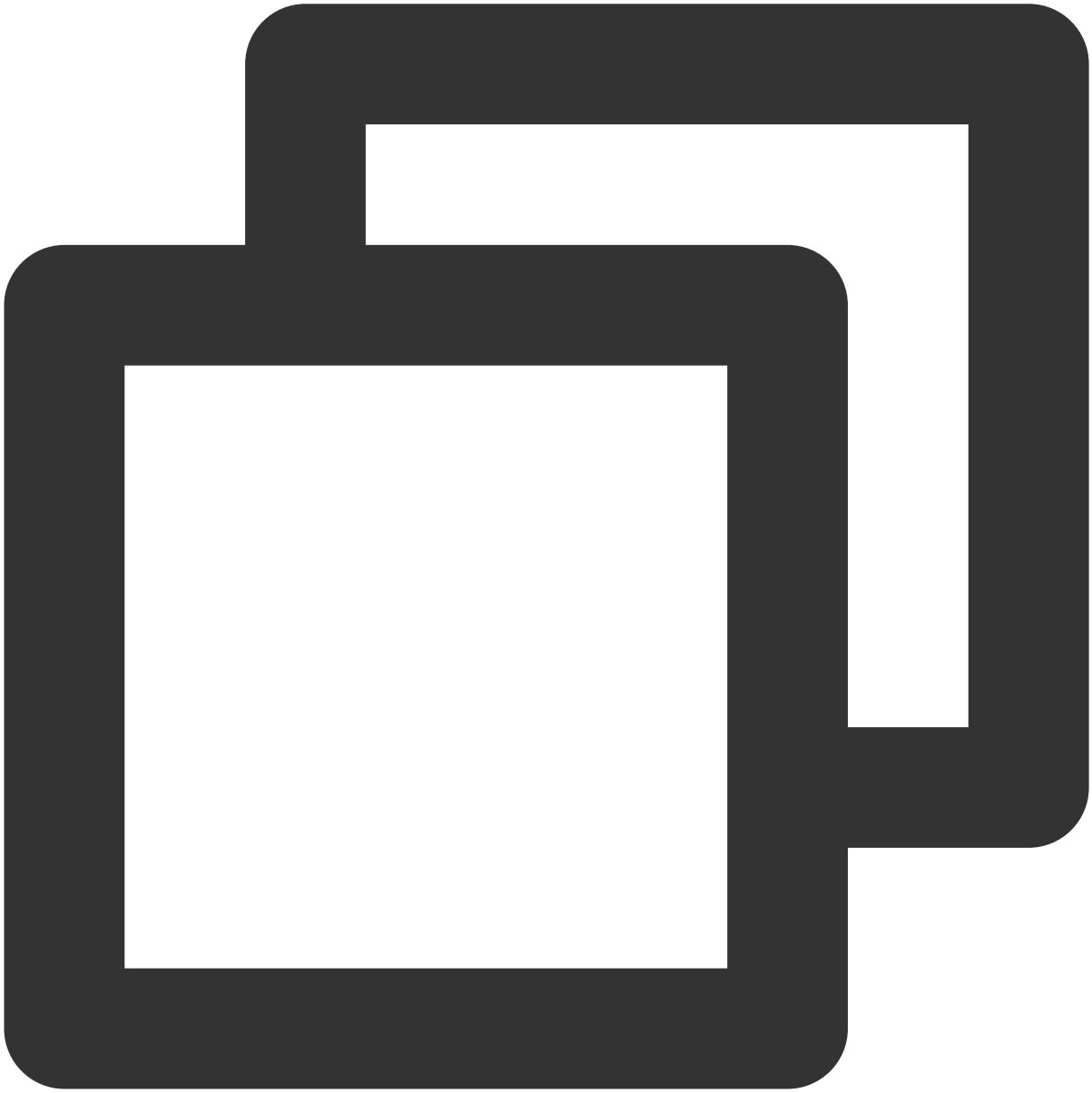
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Tag>Watermark</Tag>
        <Name>TemplateName</Name>
        <Watermark>
            <Type>Text</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
            <Pos>TopRight</Pos>
```

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```
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Text>
                <Text>Watermark content</Text>
                <FontSize>30</FontSize>
                <FontType></FontType>
                <FontColor>0xRRGGBB</FontColor>
                <Transparency>30</Transparency>
            </Text>
        </Watermark>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the watermark template creation API.	Container

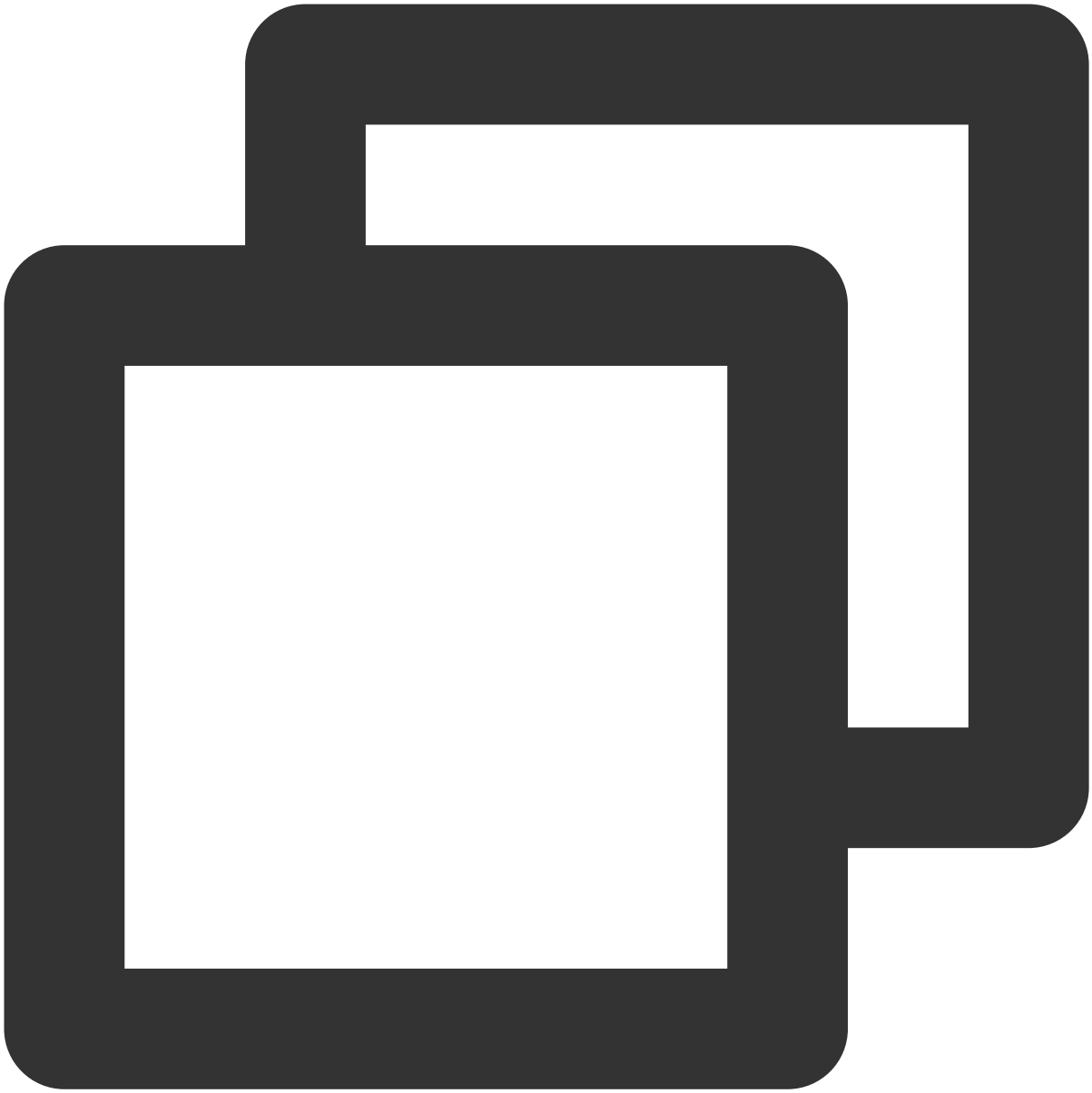
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

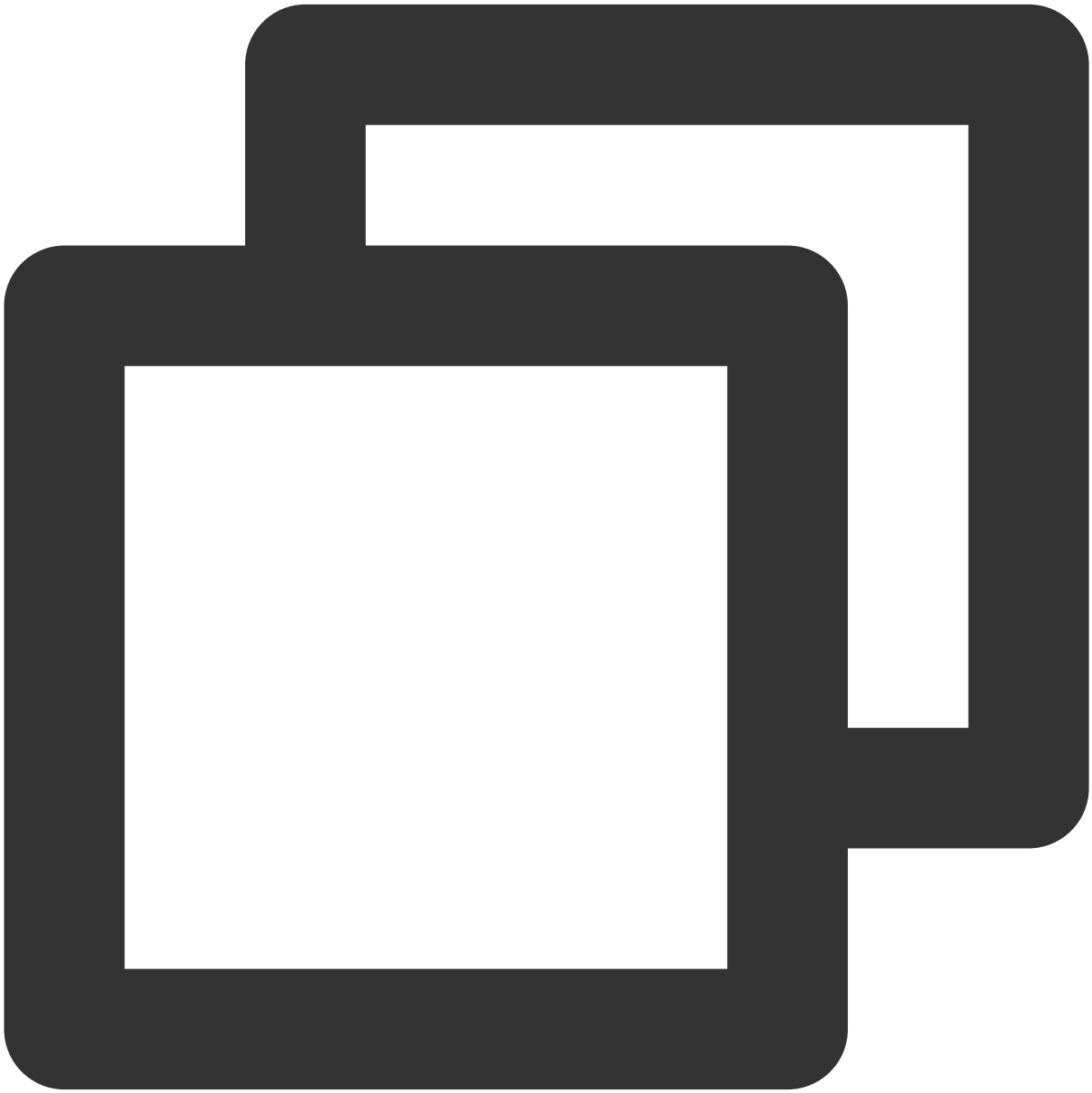
<Request>
    <Tag>Watermark</Tag>
    <Name>TemplateName</Name>
    <Watermark>
        <Type>Text</Type>
```

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```
        <LocMode>Absolute</LocMode>
        <Dx>128</Dx>
        <Dy>128</Dy>
        <Pos>TopRight</Pos>
        <StartTime>0</StartTime>
        <EndTime>100.5</EndTime>
        <Text>
            <Text>Watermark content</Text>
            <FontSize>30</FontSize>
            <FontType></FontType>
            <FontColor>0xRRGGBB</FontColor>
            <Transparency>30</Transparency>
        </Text>
    </Watermark>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
        <Tag>Watermark</Tag>
        <Name>TemplateName</Name>
        <Watermark>
            <Type>Text</Type>
            <LocMode>Absolute</LocMode>
            <Dx>128</Dx>
            <Dy>128</Dy>
            <Pos>TopRight</Pos>
            <StartTime>0</StartTime>
            <EndTime>100.5</EndTime>
            <Text>
                <Text>Watermark content</Text>
                <FontSize>30</FontSize>
                <FontType></FontType>
                <FontColor>0xRRGGBB</FontColor>
                <Transparency>30</Transparency>
            </Text>
        </Watermark>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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Updating Intelligent Thumbnail Template

Last updated：2024-02-27 15:58:00

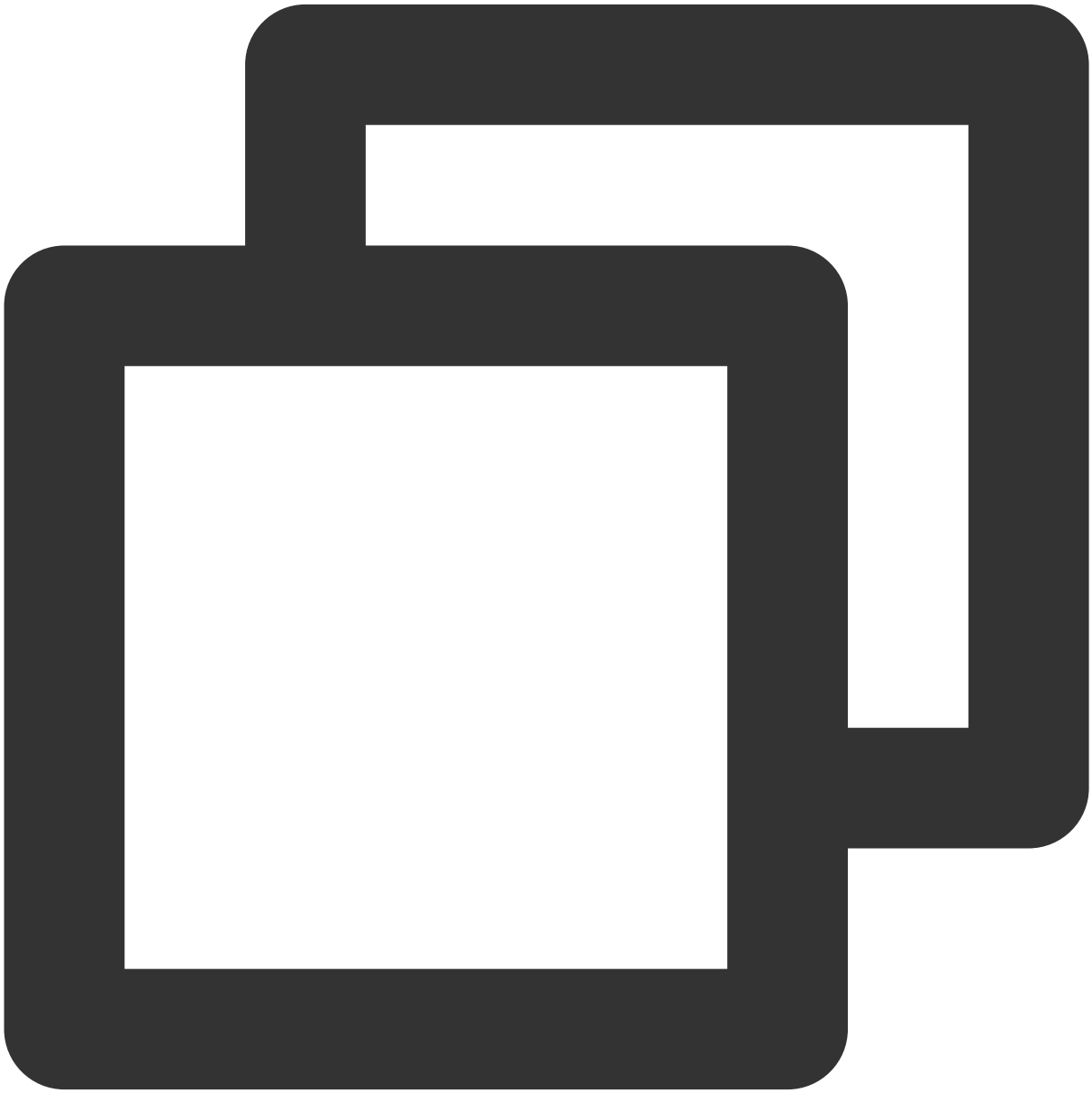
Feature Description

This API is used to update an intelligent thumbnail template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

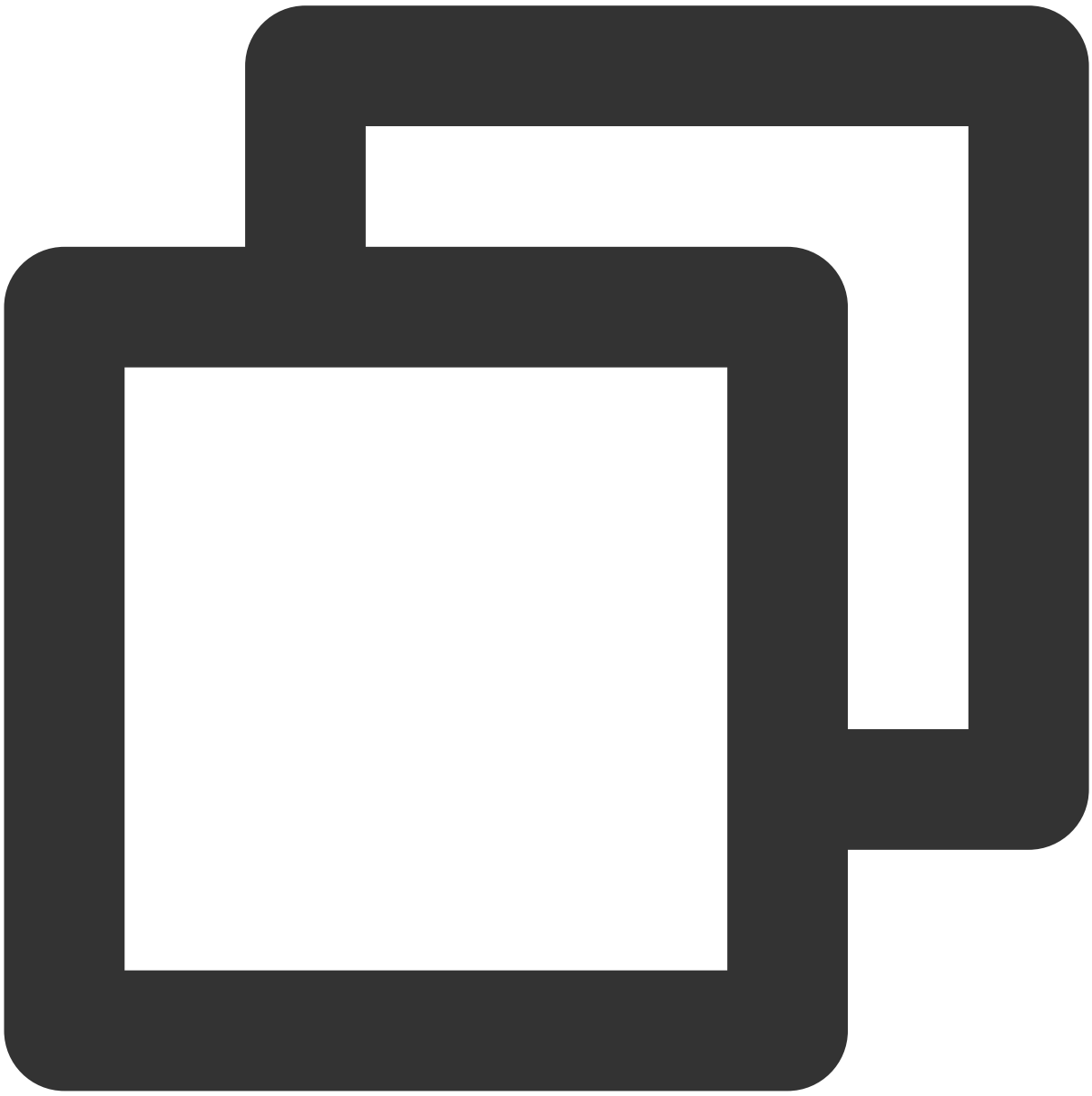
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SmartCover</Tag>
    <Name>TemplateName</Name>
    <SmartCover>
        <Format>jpg</Format>
        <Width>1280</Width>
        <Height>960</Height>
        <Count>10</Count>
        <DeleteDuplicates>true</DeleteDuplicates>
    </SmartCover>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the intelligent thumbnail template creation API.	Container	Yes

Response

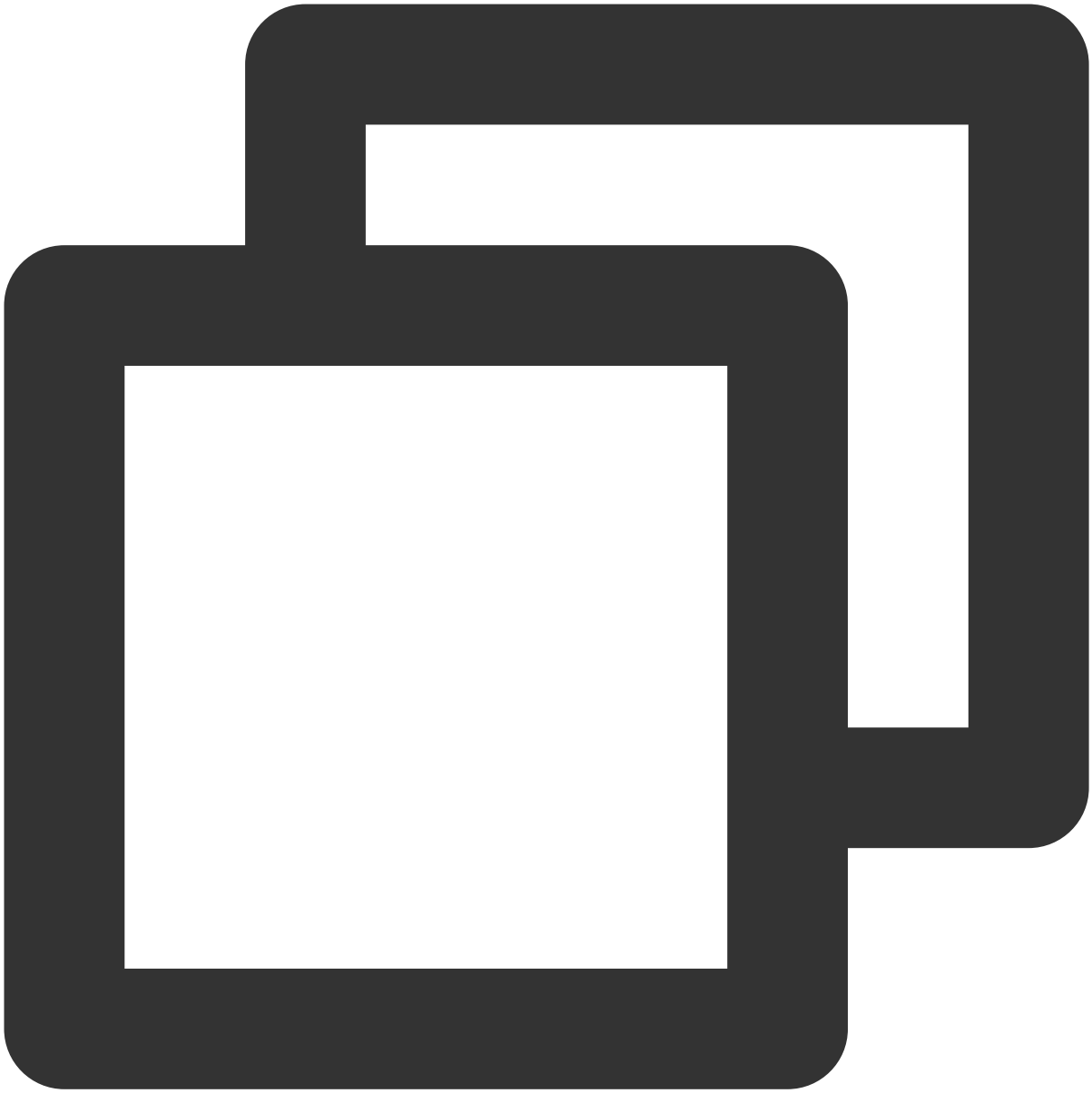
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <Tag>SmartCover</Tag>
        <Name>TemplateName</Name>
        <TemplateId>t1f43110a08702470b8fa75894629501fa</TemplateId>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SmartCover>
            <Width>1280</Width>
            <Height>960</Height>
            <Format>jpg</Format>
```

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```
            <Count>5</Count>
            <DeleteDuplicates>false</DeleteDuplicates>
        </SmartCover>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the intelligent thumbnail template creation API.	Container

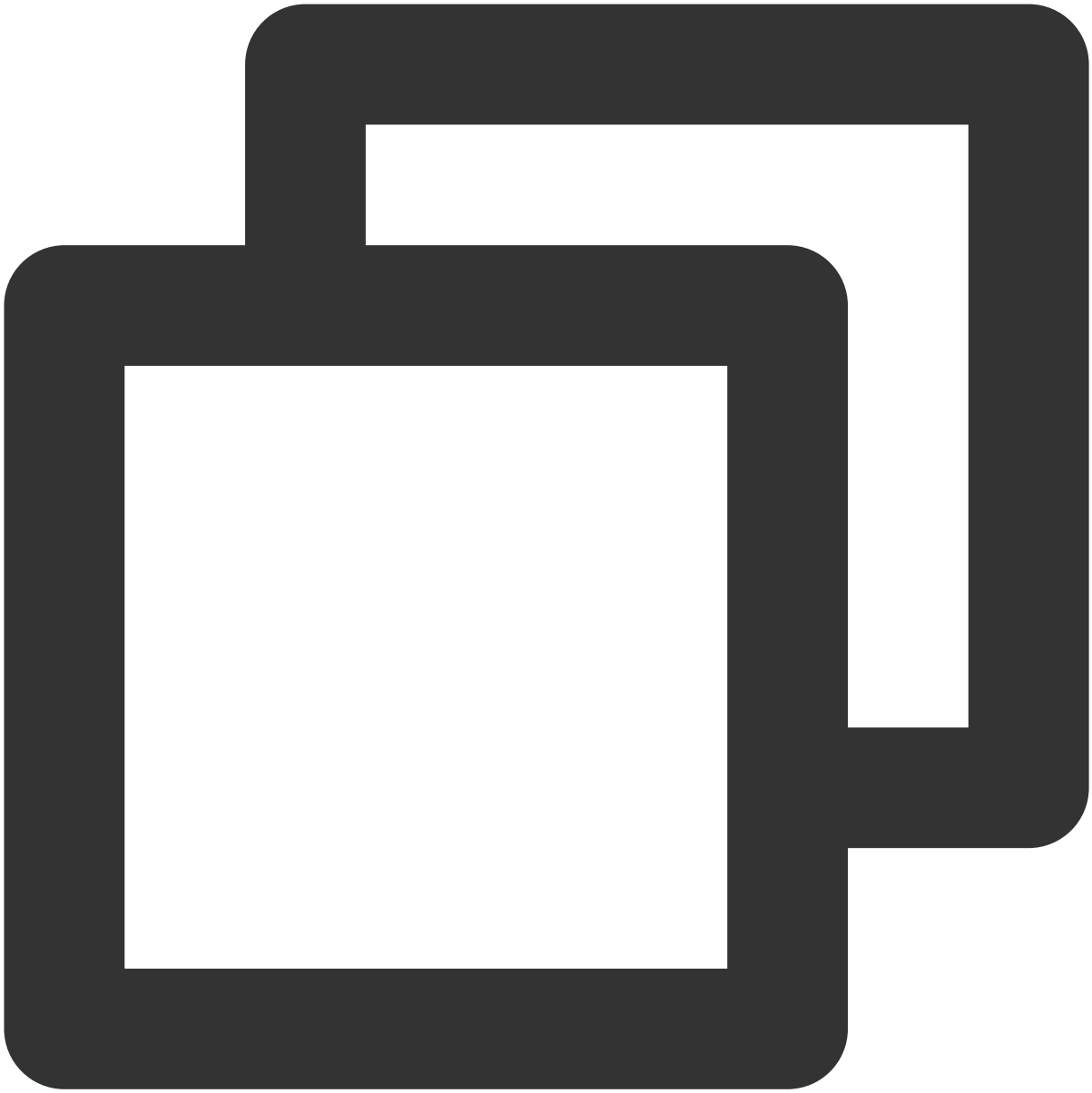
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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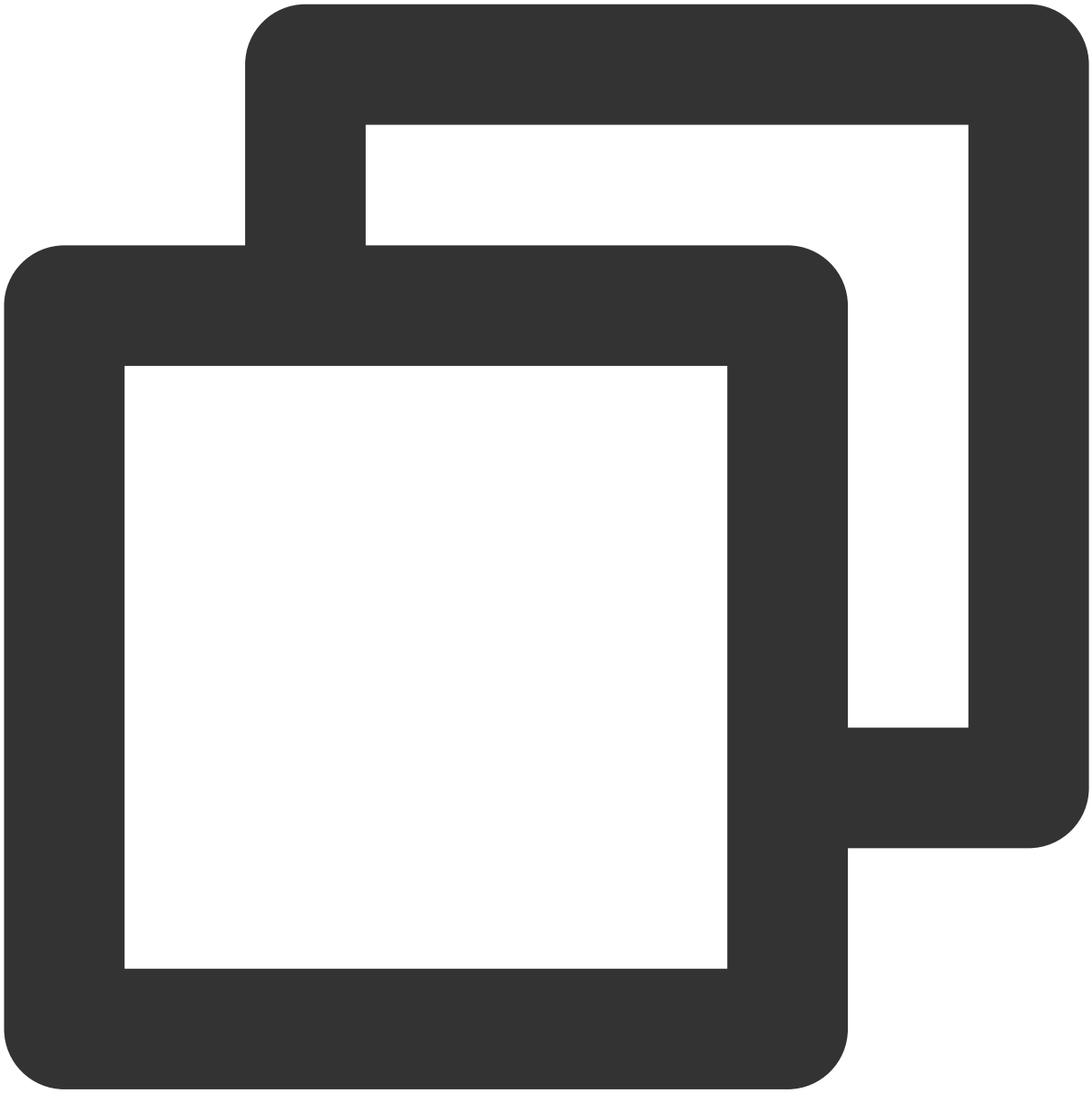
```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>SmartCover</Tag>
    <Name>TemplateName</Name>
    <SmartCover>
        <Format>jpg</Format>
```

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```
        <Width>1280</Width>
        <Height>960</Height>
        <Count>10</Count>
        <DeleteDuplicates>true</DeleteDuplicates>
    </SmartCover>
</Request>
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
```

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```
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****



<Response>
    <Template>
        <Tag>SmartCover</Tag>
        <Name>TemplateName</Name>
        <TemplateId>t1f43110a08702470b8fa75894629501fa</TemplateId>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SmartCover>
            <Width>1280</Width>
            <Height>960</Height>
            <Format>jpg</Format>
            <Count>5</Count>
            <DeleteDuplicates>false</DeleteDuplicates>
        </SmartCover>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </Template>
</Response>
```

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AI-Based Content Recognition
Creating AI-Based Content Recognition Template
Creating Speech Recognition Template

Last updated：2024-03-01 17:29:56

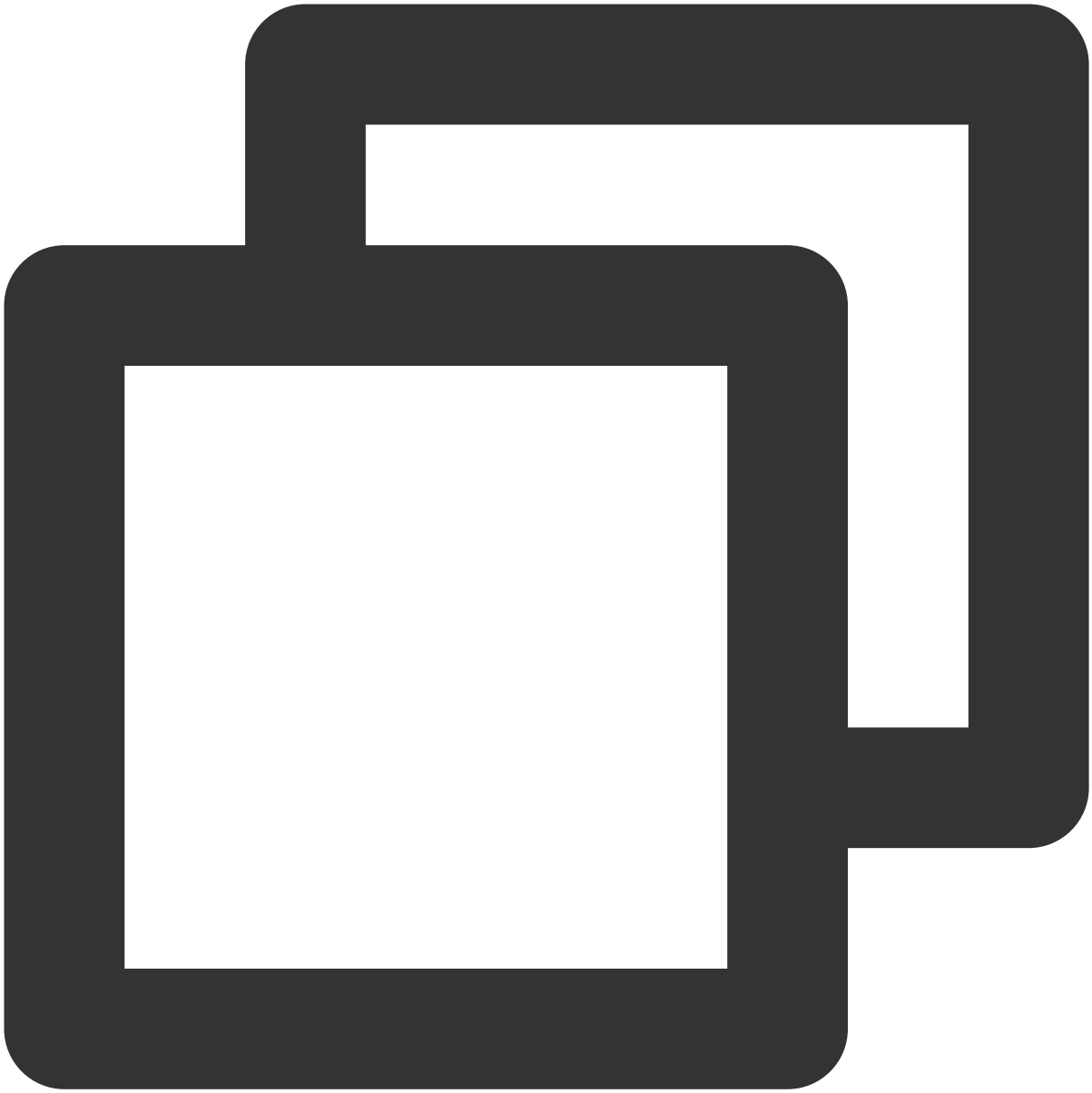
Feature Description

This API is used to create a speech recognition template.

Request

Sample request

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```
POST /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

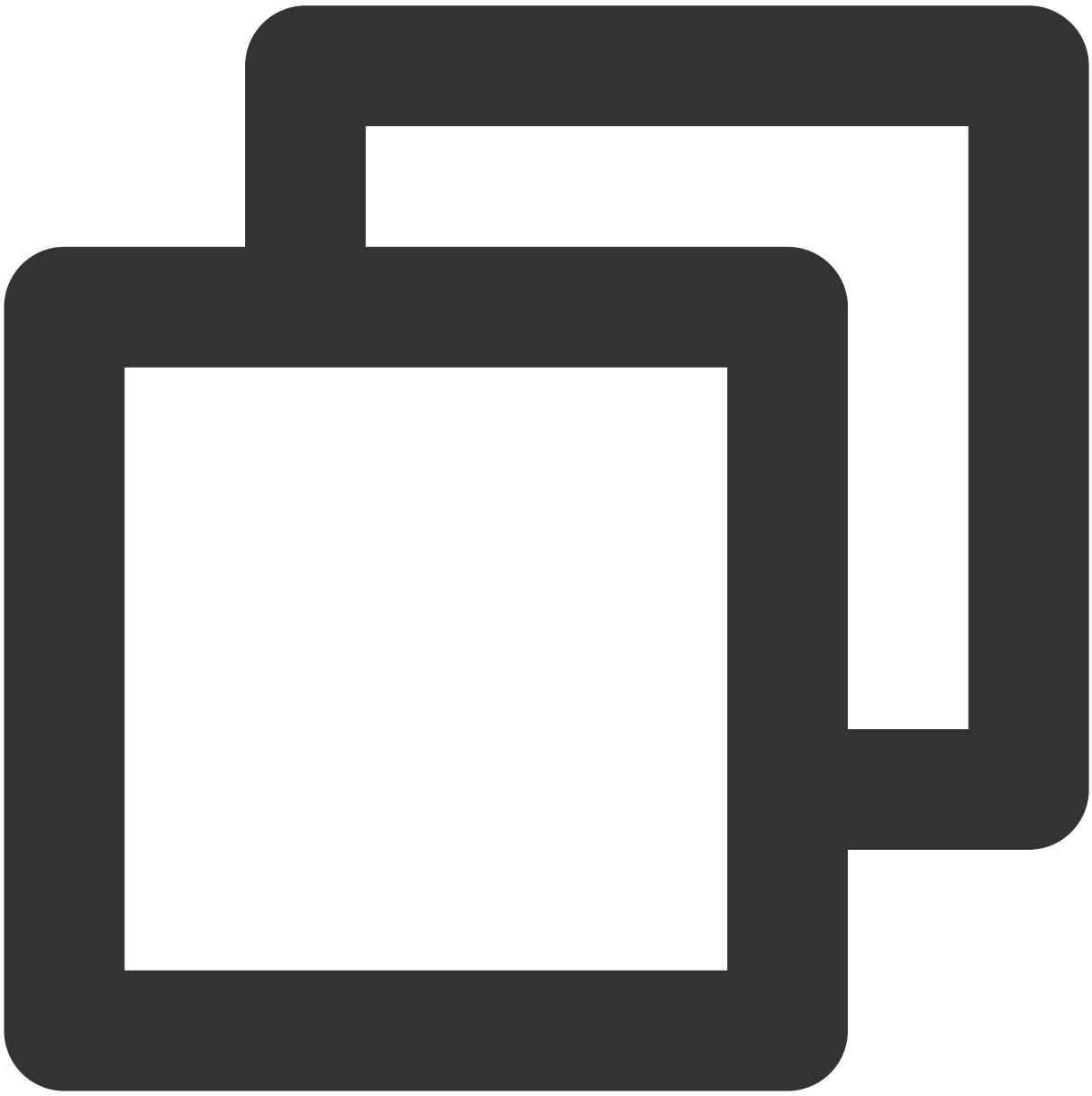
When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SpeechRecognition</Tag>
    <Name>TemplateName</Name>
    <SpeechRecognition>
        <EngineModelType>16k_zh</EngineModelType>
        <ResTextFormat>1</ResTextFormat>
        <FilterDirty>0</FilterDirty>
        <FilterModal>1</FilterModal>
        <ConvertNumMode>0</ConvertNumMode>
        <SpeakerDiarization>1</SpeakerDiarization>
        <SpeakerNumber>0</SpeakerNumber>
        <FilterPunc>0</FilterPunc>
        <OutputFileType>txt</OutputFileType>
    </SpeechRecognition>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Tag	Request	Template tag: SpeechRecognition.	String	Yes	No
Name	Request	Template name, which can contain letters, digits, underscores (_), hyphens (-), and asterisks (*).	String	Yes	None
SpeechRecognition	Request	Speech recognition parameter.	Container	Yes	None

`SpeechRecognition` has the following sub-nodes:

SpeechRecognition has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
EngineModelType	Request.Speech	Engine model type, divided into phone call	String	Yes

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	Recognition	and non-phone call scenarios. Phone call scenarios: 8k_zh: 8 kHz, for Mandarin in general scenarios (available for dual-channel audio). 8k_zh_s: 8 kHz, for Mandarin with speaker separation (available for mono-channel audio only). 8k_en: 8 kHz, for English. Non-phone call scenarios: 16k_zh: 16 kHz, for Mandarin in general scenarios. 16k_zh_video: 16 kHz, for audio/video scenarios. 16k_en: 16 kHz, for English. 16k_ca: 16 kHz, for Cantonese. 16k_ja: 16 kHz, for Japanese. 16k_zh_edu: For Mandarin in education scenarios. 16k_en_edu: For English in education scenarios. 16k_zh_medical: For healthcare scenarios. 16k_th: For Thai. 16k_zh_dialect: Multi-dialect, for up to 23 dialects. Fast ASR is only supported for 8k_zh, 16k_zh, 16k_en, and 16k_zh_video.		
ChannelNum	Request.SpeechRecognition	This parameter is supported only for general ASR. Number of sound channels: 1: Mono. If EngineModelType is not the phone call scenario, only mono channel is supported. 2: Dual (for the 8k_zh engine only, where the two channels correspond to the caller and callee respectively).	Integer	Yes
ResTextFormat	Request.SpeechRecognition	This parameter is supported only for general ASR. Format of the returned recognition result. 0: Recognition result text, including the list of segment timestamps. 1: Detailed word-level recognition result, excluding punctuation marks but including	Integer	Yes

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		the speech speed value (the list of word timestamps, generally used to generate subtitles). 2: Detailed word-level recognition result, including punctuation marks and the speech speed value.		
FilterDirty	Request.SpeechRecognition	Whether to filter restricted words (for the Mandarin engine only). 0: Does not filter. 1: Filters. 2: Replaces restricted words with *. Default value: 0.	Integer	No
FilterModal	Request.SpeechRecognition	Whether to filter modal particles (for the Mandarin engine only). 0: Does not filter. 1: Filters partially. 2: Filters strictly. Default value: 0.	Integer	No
ConvertNumMode	Request.SpeechRecognition	Whether to intelligently convert Chinese numbers to Arabic numerals (for the Mandarin engine only): 0: Directly outputs Chinese numbers. 1: Intelligently converts based on the scenario. 3: Enables mathematic number conversion. This parameter is supported only for general ASR. Default value: 0.	Integer	No
SpeakerDiarization	Request.SpeechRecognition	Whether to enable speaker separation: 0: No. 1: Yes (for mono-channel audios with the 8k_zh, 16k_zh, or 16k_zh_video engine only). Default value: 0. Note: In the 8 kHz phone call scenario, we recommend you use dual channels to distinguish between the caller and callee by setting ChannelNum=2, so you don't need to enable speaker separation.	Integer	No
SpeakerNumber	Request.SpeechRecognition	This parameter is supported only for general ASR.	Integer	No

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		Number of speakers to be separated (with speaker separation enabled). Value range: 0–10. 0: Automatic separation (currently only for six or fewer people only). 1–10: Specified number of speakers to be separated. Default value: 0.		
FilterPunc	Request.SpeechRecognition	Whether to filter punctuation marks (currently for the Mandarin engine only): 0: Does not filter. 1: Filters the punctuation mark at the end of the sentence. 2: Filters all punctuation marks. Default value: 0.	Integer	No
OutputFileType	Request.SpeechRecognition	Output file type. Valid values: txt (default), srt txt is supported only for fast ASR.	String	No
FlashAsr	Request.SpeechRecognition	Whether to enable fast ASR. Valid values: true, false (default).	String	No
Format	Request.SpeechRecognition	Audio format for fast ASR. Supported formats include WAV, PCM, OGG-OPUS, SPEEX, SILK, MP3, M4A, and AAC.	String	Yes if FlashAsr is true
FirstChannelOnly	Request.SpeechRecognition	Whether to recognize only the first sound channel (in fast ASR mode). Valid values: 0 (recognizes all sound channels); 1 (recognizes the first sound channel). Default value: 1.	Integer	No
WordInfo	Request.SpeechRecognition	Whether to display word-level timestamps (in fast ASR mode). Valid values: 0 (no); 1 (yes, excluding punctuation timestamps), 2 (yes, including punctuation timestamps). Default value: 0.	Integer	No

Response

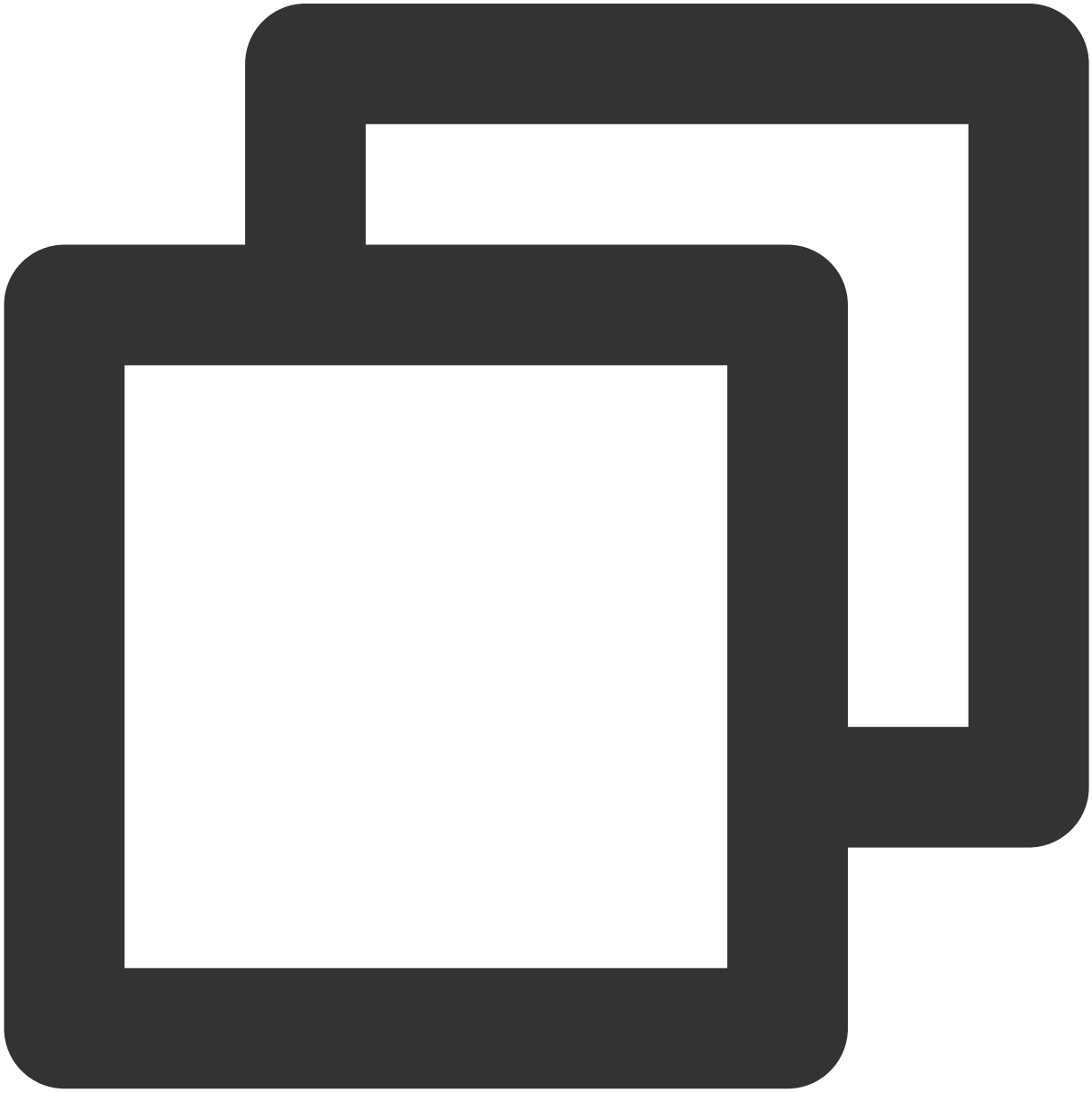
Response headers

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This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <Template>
        <Tag>SpeechRecognition</Tag>
        <Name>TemplateName</Name>
        <State>Normal</State>
        <Tag>SpeechRecognition</Tag>
```

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```
        <CreateTime></CreateTime>
        <UpdateTime></UpdateTime>
        <BucketId></BucketId>
        <Category>Custom</Category>
        <SpeechRecognition>
            <EngineModelType>16k_zh</EngineModelType>
            <ResTextFormat>1</ResTextFormat>
            <FilterDirty>0</FilterDirty>
            <FilterModal>1</FilterModal>
            <ConvertNumMode>0</ConvertNumMode>
            <SpeakerDiarization>1</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
            <OutputFileType>txt</OutputFileType>
        </SpeechRecognition>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Response.Template	Template ID	String
Name	Response.Template	Template name	String
BucketId	Response.Template	Template bucket	String
Category	Response.Template	Template category: Custom or Official	String
Tag	Response.Template	Template tag: SpeechRecognition.	String
UpdateTime	Response.Template	Update time	String
CreateTime	Response.Template	Creation time	String
SpeechRecognition	Response.Template	Same as `Request.SpeechRecognition` in the request body.	Container

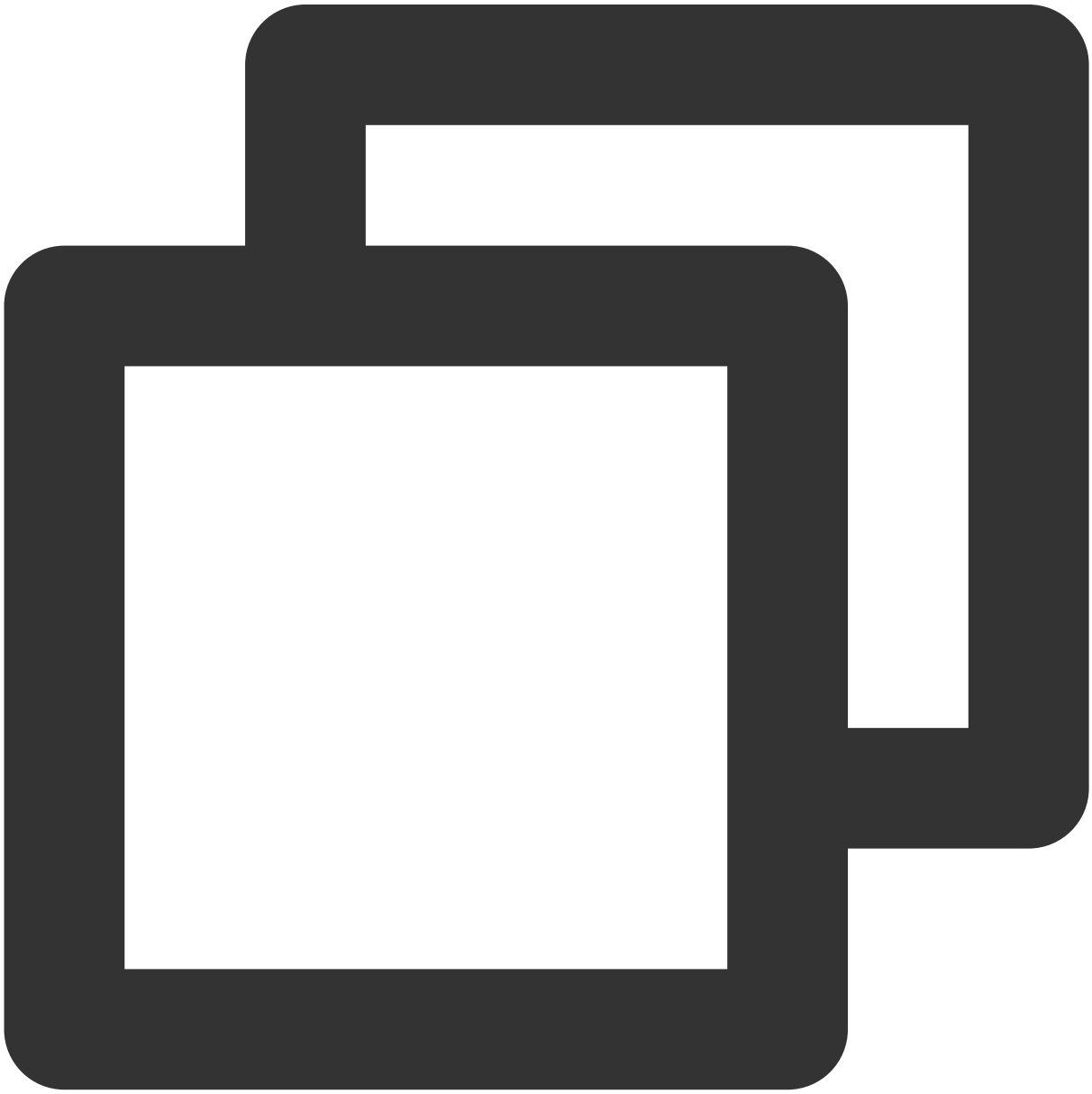
Error codes

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There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request



```
POST /template HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-chongqing.myqcloud.com
```

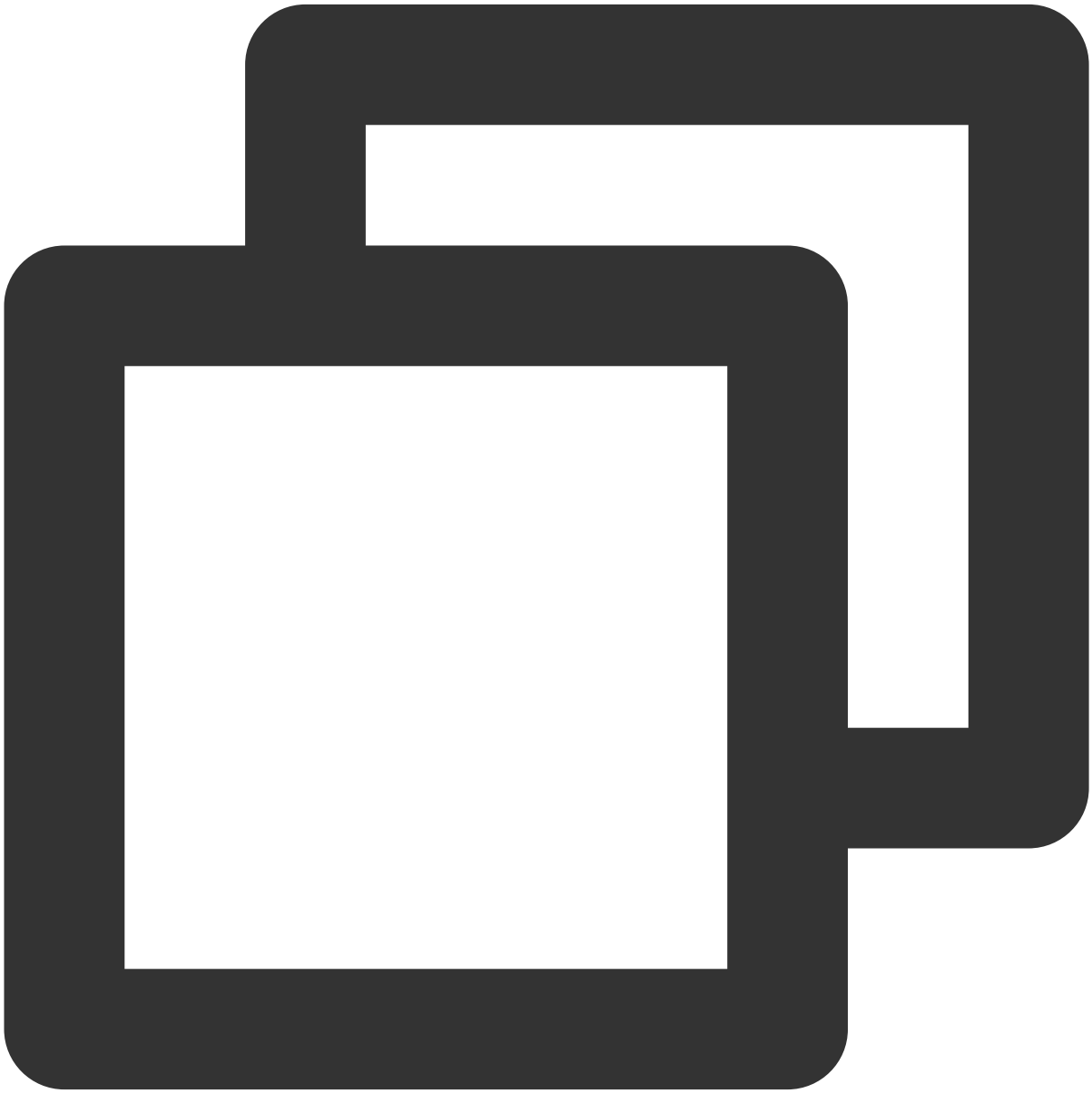
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```
Content-Length: 1666
Content-Type: application/xml

<Request>
    <Tag>SpeechRecognition</Tag>
    <Name>TemplateName</Name>
    <SpeechRecognition>
        <EngineModelType>16k_zh</EngineModelType>
        <ResTextFormat>1</ResTextFormat>
        <FilterDirty>0</FilterDirty>
        <FilterModal>1</FilterModal>
        <ConvertNumMode>0</ConvertNumMode>
        <SpeakerDiarization>1</SpeakerDiarization>
        <SpeakerNumber>0</SpeakerNumber>
        <FilterPunc>0</FilterPunc>
        <OutputFileType>txt</OutputFileType>
    </SpeechRecognition>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
        <Name>TemplateName</Name>
        <State>Normal</State>
        <Tag>SpeechRecognition</Tag>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SpeechRecognition>
            <EngineModelType>16k_zh</EngineModelType>
            <ChannelNum>1</ChannelNum>
            <ResTextFormat>0</ResTextFormat>
            <FilterDirty>1</FilterDirty>
            <FilterModal>0</FilterModal>
            <ConvertNumMode>1</ConvertNumMode>
            <SpeakerDiarization>0</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
        </SpeechRecognition>
    </Template>
</Response>
```

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Querying AI-Based Content Recognition Template DescribeTemplates

Last updated：2024-02-27 15:58:00

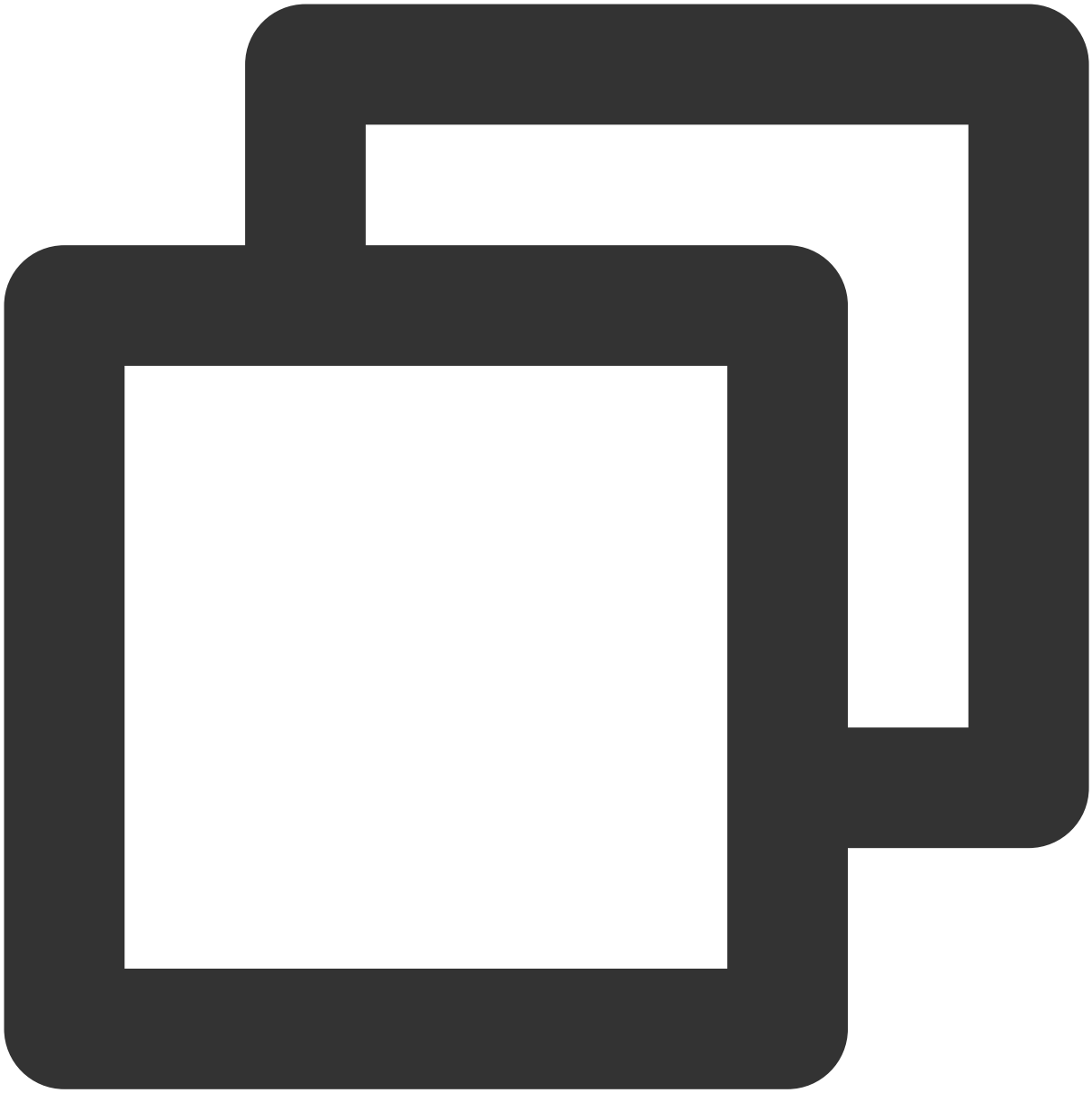
Feature Description

This API is used to query a template.

Request

Sample request

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```
GET /template HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (See Request Signature for details.)

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When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

The request body of this request is empty.

Request parameters

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
tag	None	Template tag. Default value: `All`.	String	No
category	None	Valid values: `Official` (system preset template); `Custom` (custom template). Default value: `Custom`.	String	No
ids	None	Template ID. If you enter multiple IDs, separate them with commas (,).	String	No
name	None	Template name prefix	String	No
pageNumber	None	Page number. Default value: `1`.	Integer	No
pageSize	None	Number of records per page. Default value: `10`.	Integer	No

Supported `tag` types are as follows:

Template type	tag
Speech recognition	SpeechRecognition

Response

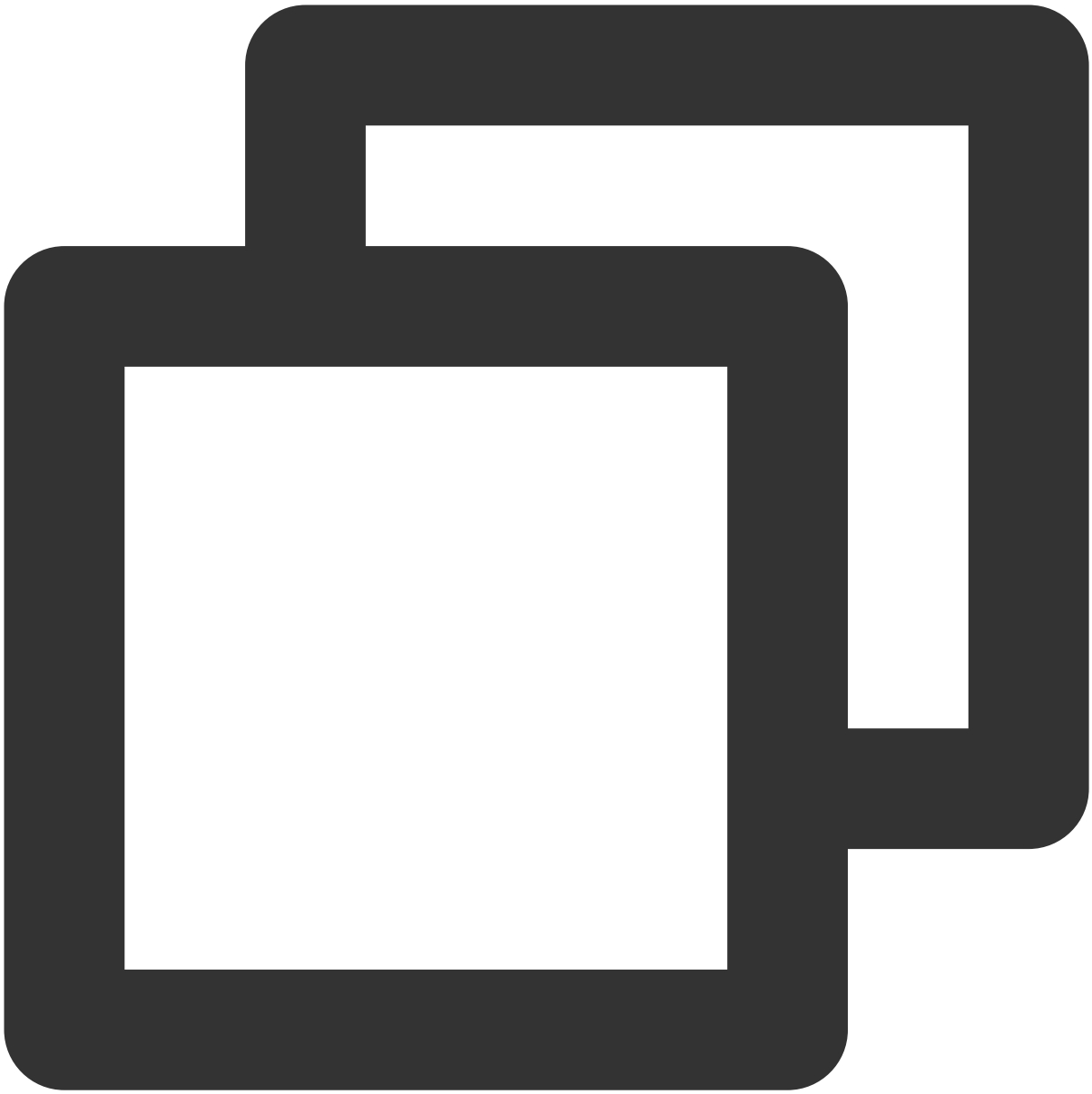
Response headers

This API only returns Common Response Headers.

Response body

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The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhfMjc=</RequestId>
    <TotalCount>1</TotalCount>
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <TemplateList>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <Tag>SpeechRecognition</Tag>
```

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```
        <SpeechRecognition>
            <EngineModelType>16k_zh</EngineModelType>
            <ResTextFormat>1</ResTextFormat>
            <FilterDirty>0</FilterDirty>
            <FilterModal>1</FilterModal>
            <ConvertNumMode>0</ConvertNumMode>
            <SpeakerDiarization>1</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
            <OutputFileType>txt</OutputFileType>
        </SpeechRecognition>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </TemplateList>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
TotalCount	Response	Total number of templates	Int
PageNumber	Response	Current page number. Same as `pageNumber` in the request.	Int
PageSize	Response	Number of records per page. Same as `pageSize` in the request.	Int
TemplateList	Response	Template array	Container array

For different types of templates, the `TemplateList` content is the same as the `Response` of the corresponding template creation API. For more information, see:Speech Recognition

Error codes

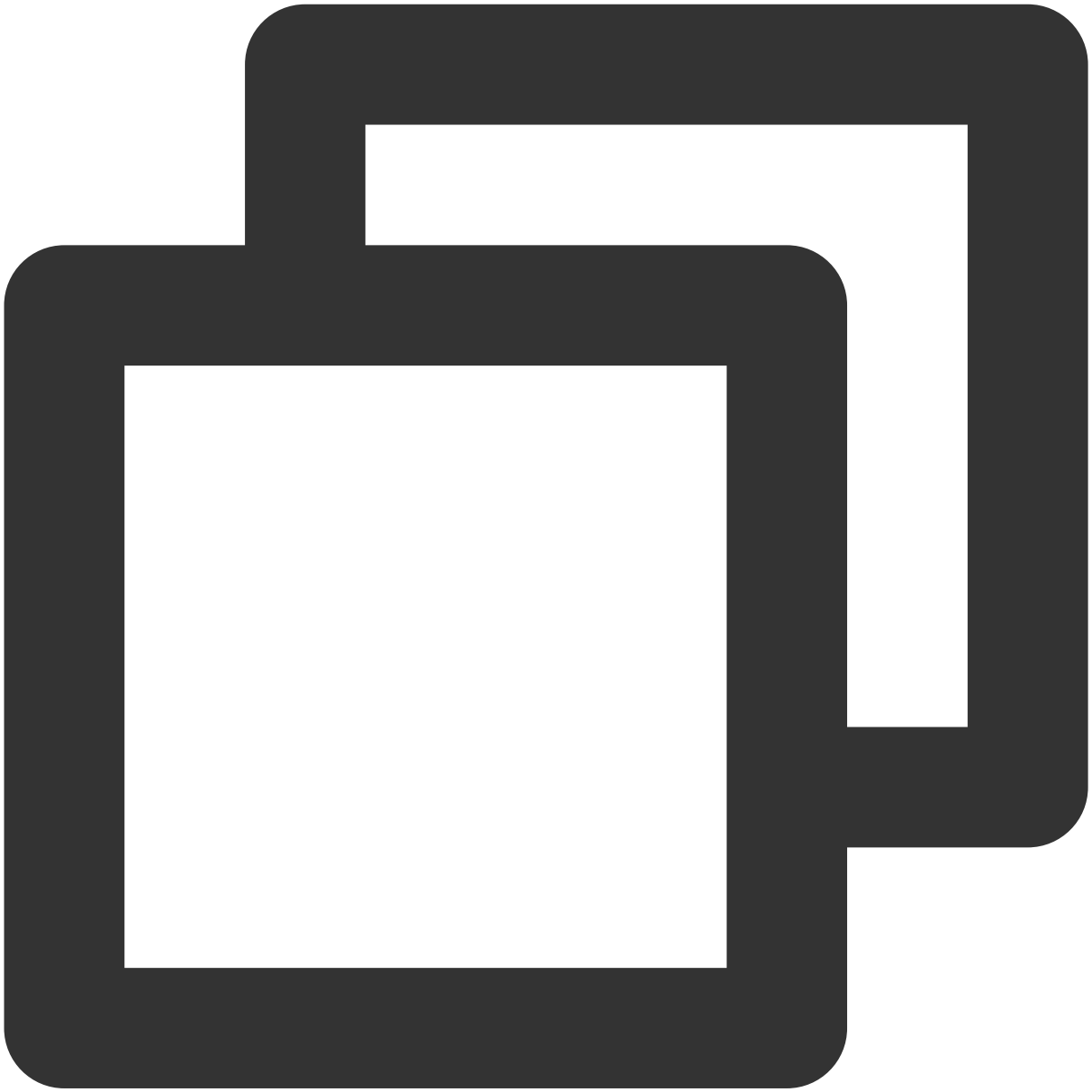
No special error message will be returned for this request. For the common error messages, please see Error Codes.

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Examples

Example 1: query by template ID

Request

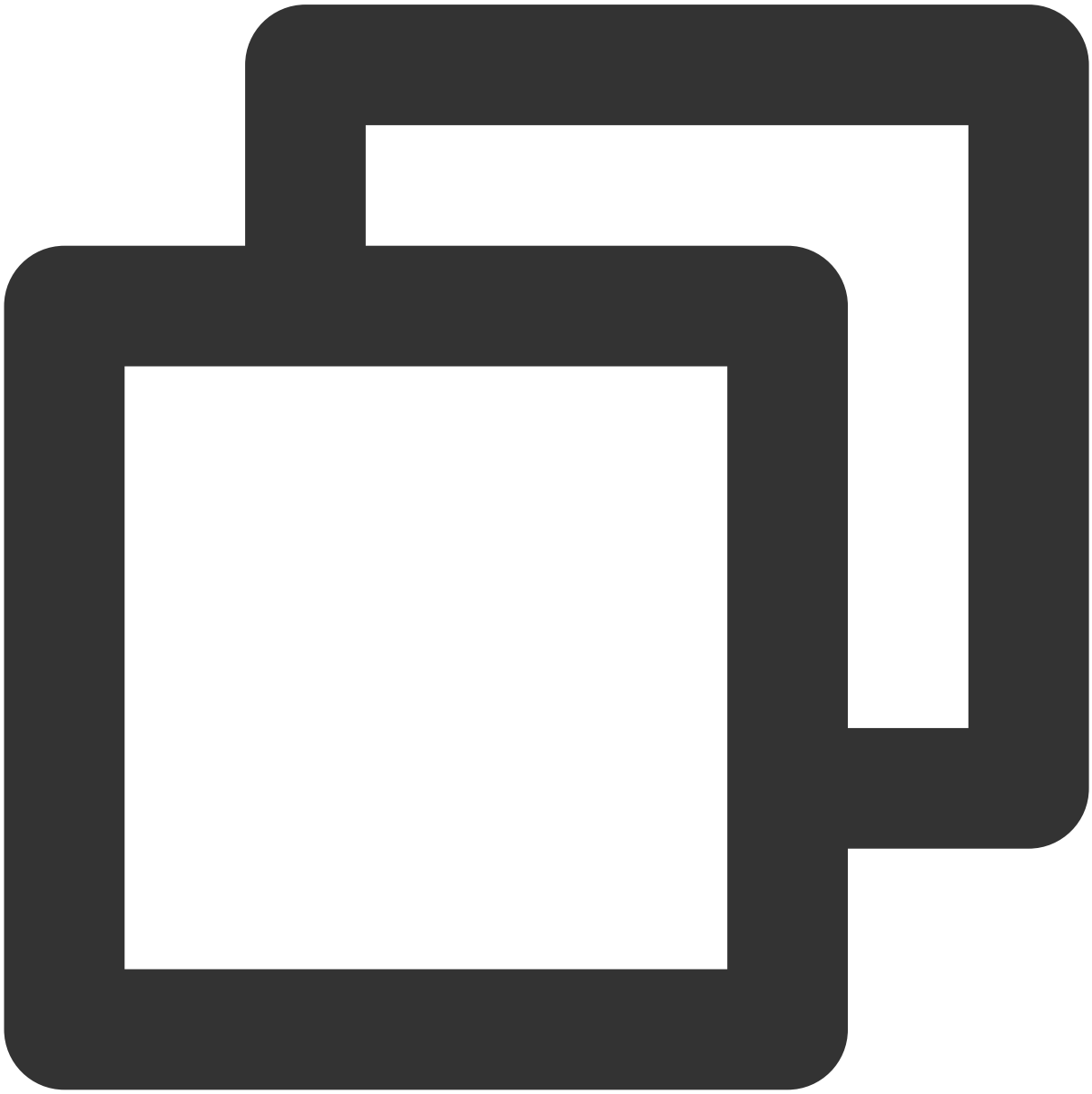


```
GET /template?ids=t1847cd4ca57f543e89f551dbe68169eb9,t1a30a323f55434a29b25bf2a16bdf
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 0
```

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```
Content-Type: application/xml
```

Response



```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****
```

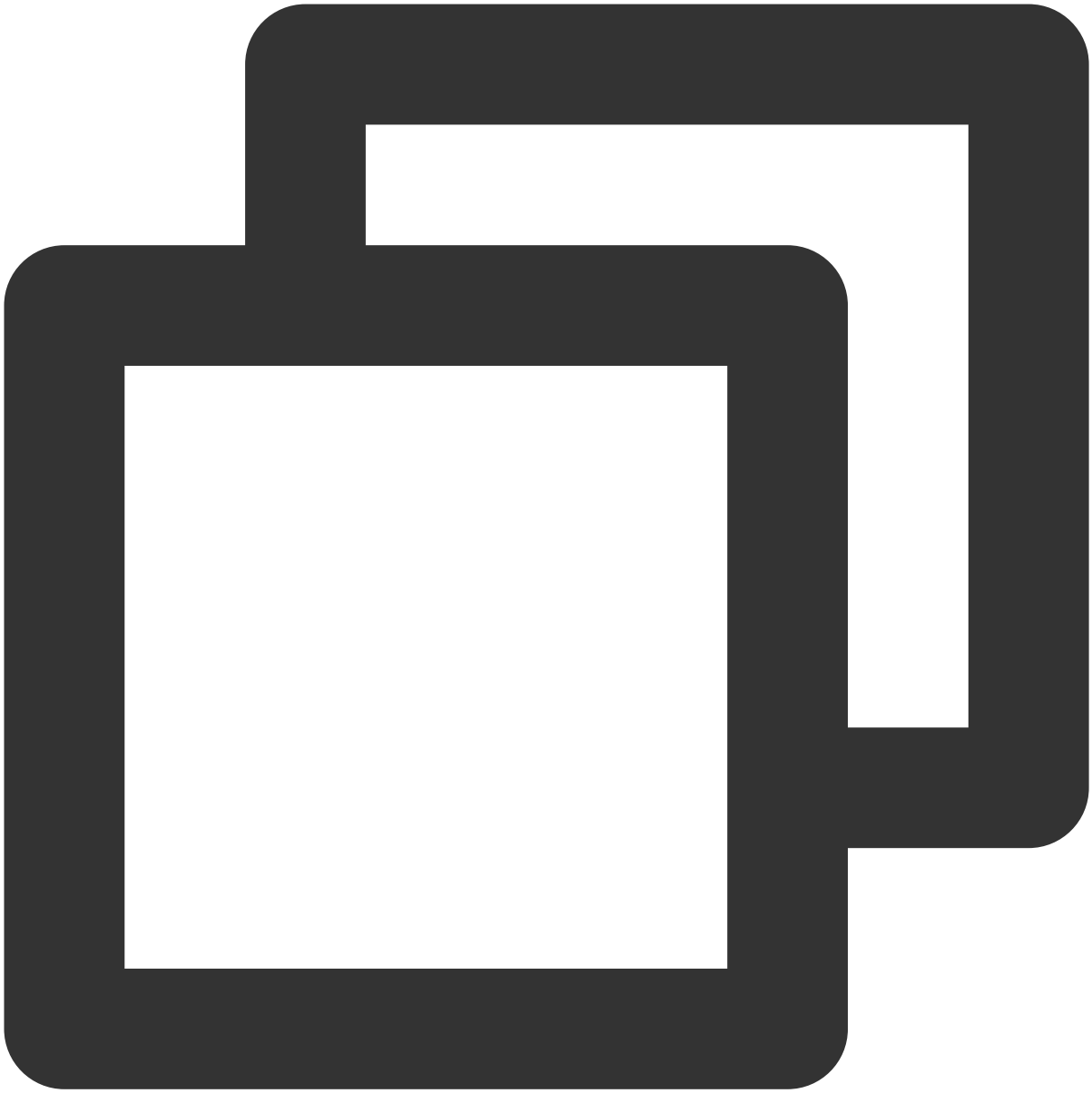
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```
<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TemplateList>
        <TemplateId>t1847cd4ca57f543e89f551dbe68169eb9</TemplateId>
        <Name>TemplateName</Name>
        <Tag>SpeechRecognition</Tag>
        <SpeechRecognition>
            <EngineModelType>16k_zh</EngineModelType>
            <ResTextFormat>1</ResTextFormat>
            <FilterDirty>0</FilterDirty>
            <FilterModal>1</FilterModal>
            <ConvertNumMode>0</ConvertNumMode>
            <SpeakerDiarization>1</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
            <OutputFileType>txt</OutputFileType>
        </SpeechRecognition>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </TemplateList>
    <TemplateList>
        <TemplateId>t1a30a323f55434a29b25bf2a16bdf5f59</TemplateId>
        <Name>TemplateName</Name>
        <Tag>SpeechRecognition</Tag>
        <SpeechRecognition>
            <EngineModelType>8k_zh_s</EngineModelType>
            <ResTextFormat>1</ResTextFormat>
            <FilterDirty>0</FilterDirty>
            <FilterModal>1</FilterModal>
            <ConvertNumMode>0</ConvertNumMode>
            <SpeakerDiarization>1</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
            <OutputFileType>txt</OutputFileType>
        </SpeechRecognition>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </TemplateList>
    <NonExistTIDs>
        <TemplateId>C</TemplateId>
    </NonExistTIDs>
</Response>
```

Example 2: query by paginated list

Request

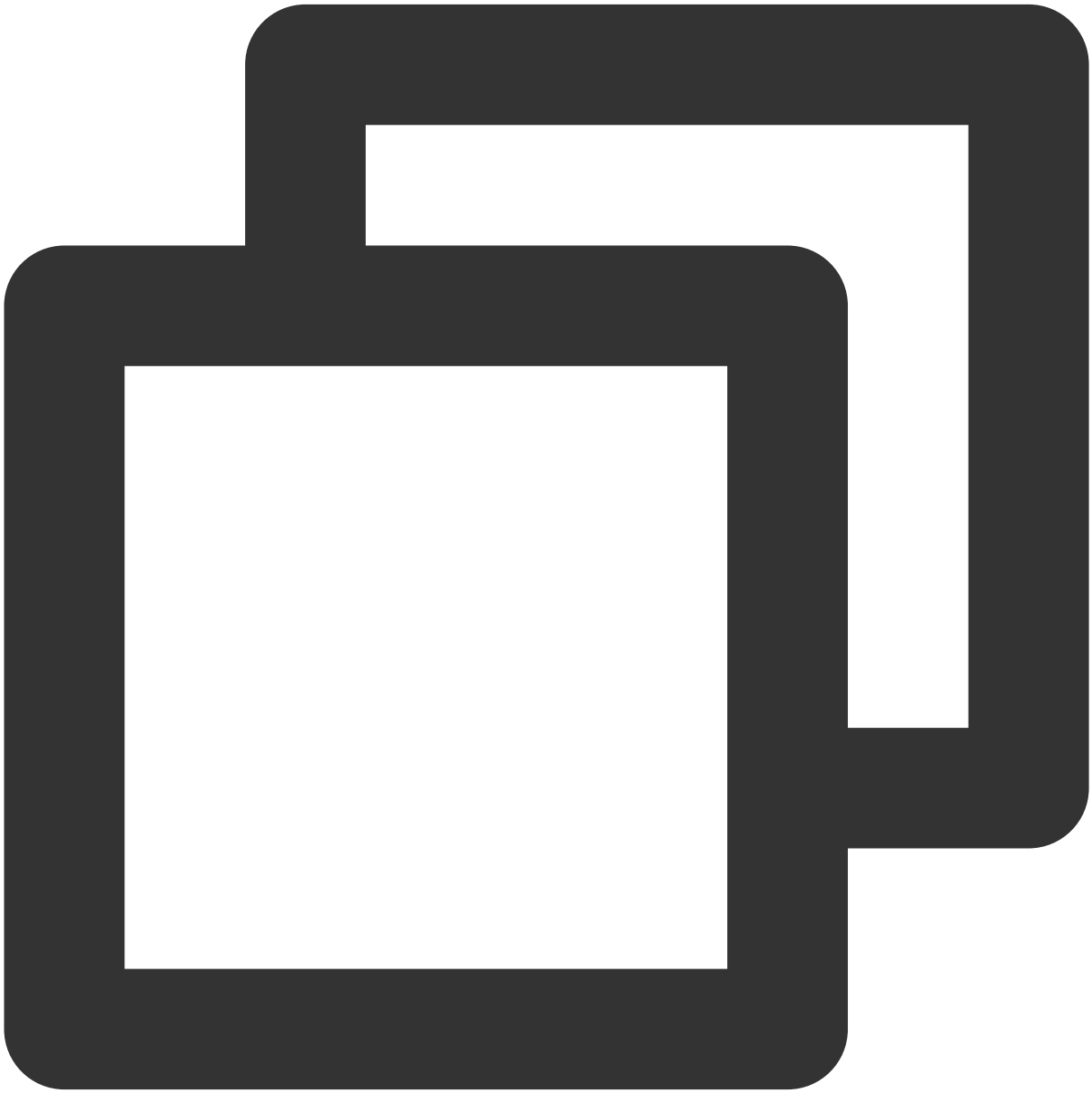
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```
GET /template?pageSize=10&pageNumber=1 HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 0
Content-Type: application/xml
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <RequestId>NTk0MjdmODlfMjQ4OGY3XzYzYzhf****</RequestId>
    <TotalCount>2</TotalCount>
```

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```
    <PageNumber>1</PageNumber>
    <PageSize>10</PageSize>
    <TemplateList>
        <TemplateId>t1847cd4ca57f543e89f551dbe68169eb9</TemplateId>
        <Name>TemplateName</Name>
        <Tag>SpeechRecognition</Tag>
        <SpeechRecognition>
            <EngineModelType>16k_zh</EngineModelType>
            <ResTextFormat>1</ResTextFormat>
            <FilterDirty>0</FilterDirty>
            <FilterModal>1</FilterModal>
            <ConvertNumMode>0</ConvertNumMode>
            <SpeakerDiarization>1</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
            <OutputFileType>txt</OutputFileType>
        </SpeechRecognition>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </TemplateList>
    <TemplateList>
        <TemplateId>t1a30a323f55434a29b25bf2a16bdf5f59</TemplateId>
        <Name>TemplateName</Name>
        <Tag>SpeechRecognition</Tag>
        <SpeechRecognition>
            <EngineModelType>8k_zh_s</EngineModelType>
            <ResTextFormat>1</ResTextFormat>
            <FilterDirty>0</FilterDirty>
            <FilterModal>1</FilterModal>
            <ConvertNumMode>0</ConvertNumMode>
            <SpeakerDiarization>1</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
            <OutputFileType>txt</OutputFileType>
        </SpeechRecognition>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
    </TemplateList>
</Response>
```

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Updating AI-Based Content Recognition Template
Updating Speech Recognition Template

Last updated：2024-02-27 15:58:00

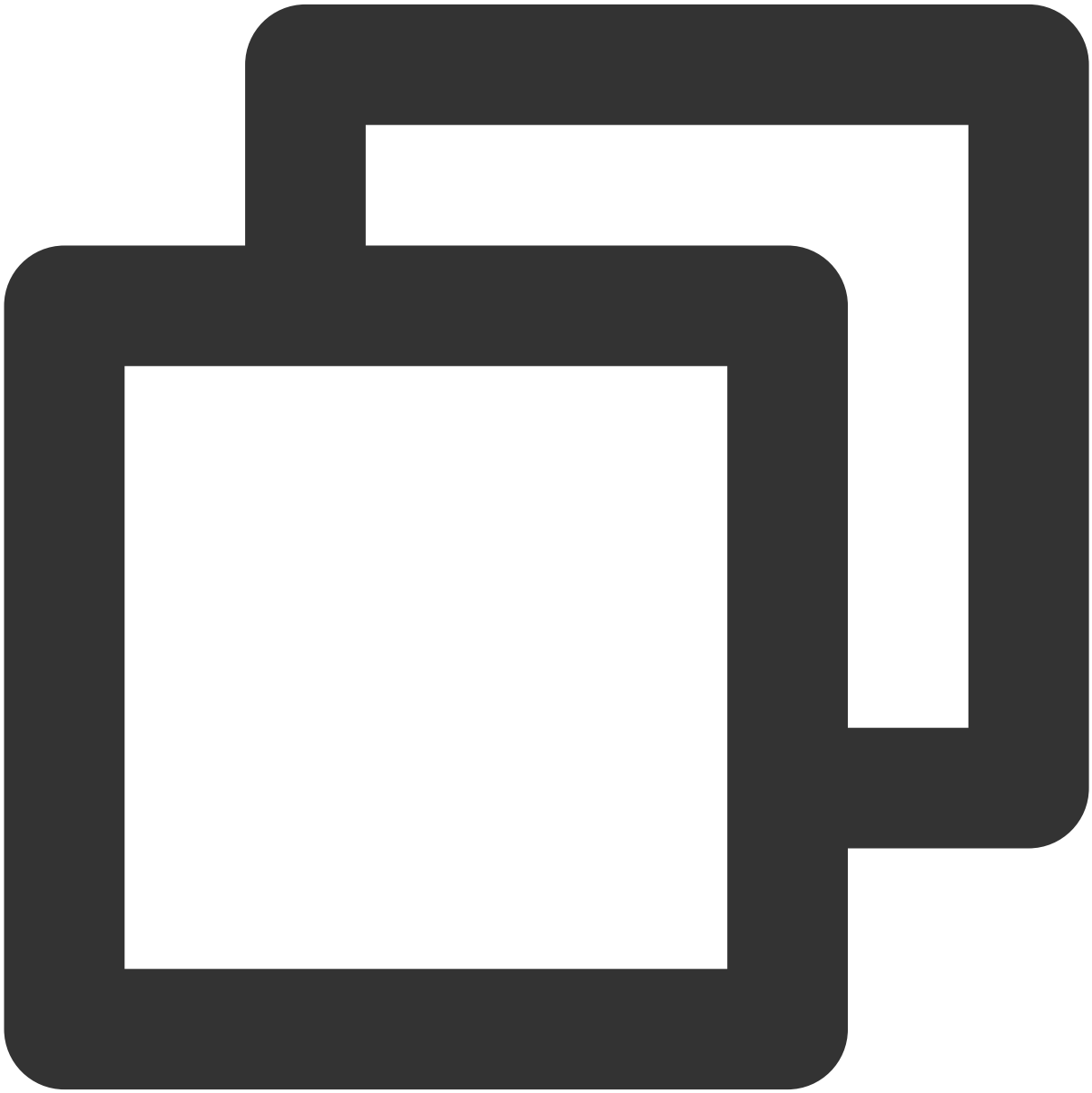
Feature Description

This API is used to update a speech recognition template.

Request

Sample request

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```
PUT /template/<TemplateId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

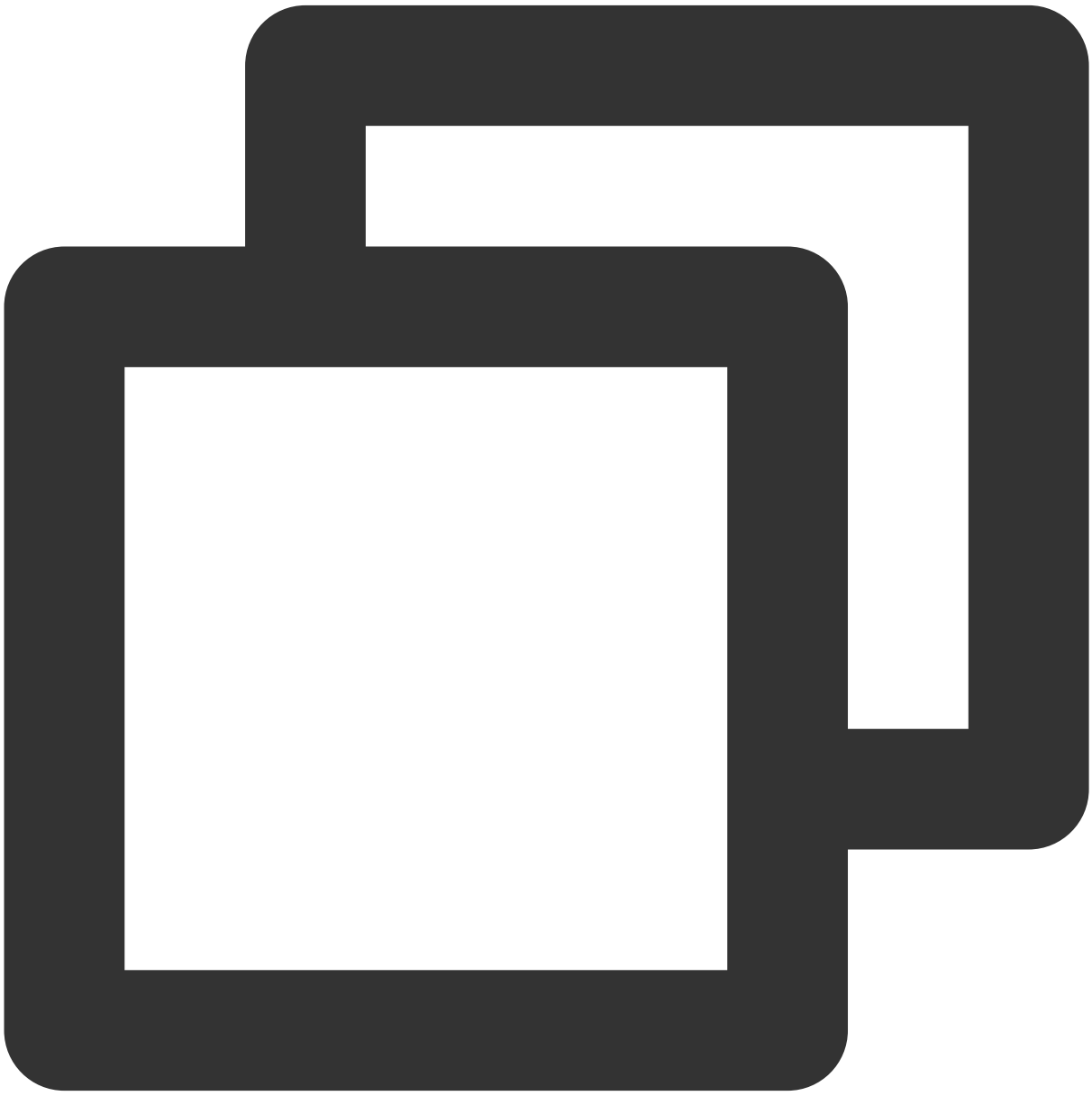
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Tag>SpeechRecognition</Tag>
    <Name>TemplateName</Name>
    <SpeechRecognition>
        <EngineModelType>16k_zh</EngineModelType>
        <ResTextFormat>1</ResTextFormat>
        <FilterDirty>0</FilterDirty>
        <FilterModal>1</FilterModal>
        <ConvertNumMode>0</ConvertNumMode>
        <SpeakerDiarization>1</SpeakerDiarization>
        <SpeakerNumber>0</SpeakerNumber>
        <FilterPunc>0</FilterPunc>
        <OutputFileType>txt</OutputFileType>
    </SpeechRecognition>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Same as Request in the speech recognition template creation API.	Container	Yes

Response

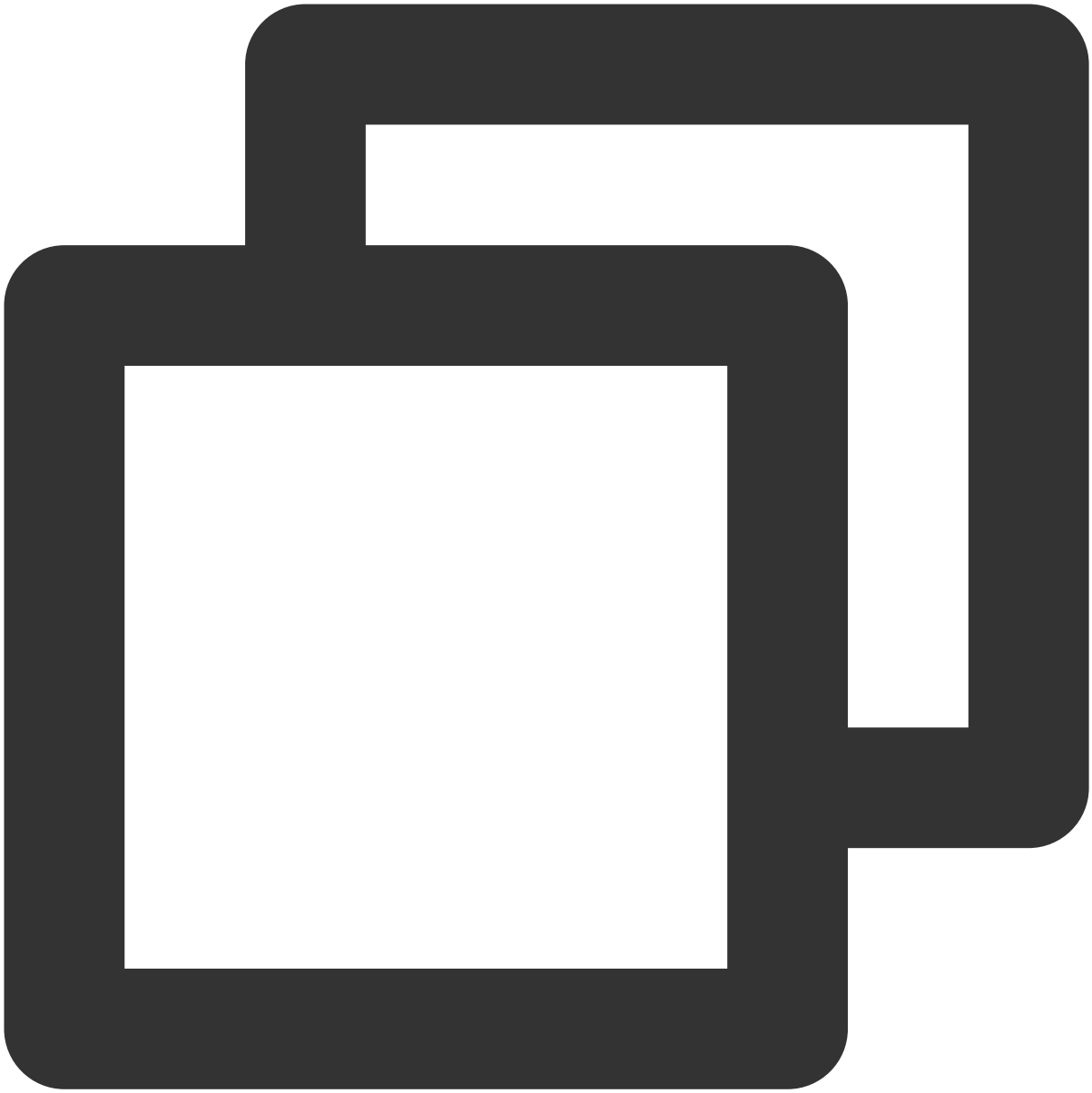
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        <Name>TemplateName</Name>
        <State>Normal</State>
        <Tag>SpeechRecognition</Tag>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SpeechRecognition>
```

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```
            <EngineModelType>16k_zh</EngineModelType>
            <ChannelNum>1</ChannelNum>
            <ResTextFormat>0</ResTextFormat>
            <FilterDirty>1</FilterDirty>
            <FilterModal>0</FilterModal>
            <ConvertNumMode>1</ConvertNumMode>
            <SpeakerDiarization>0</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
        </SpeechRecognition>
    </Template>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Same as Response in the text-to-speech template creation API.	Container

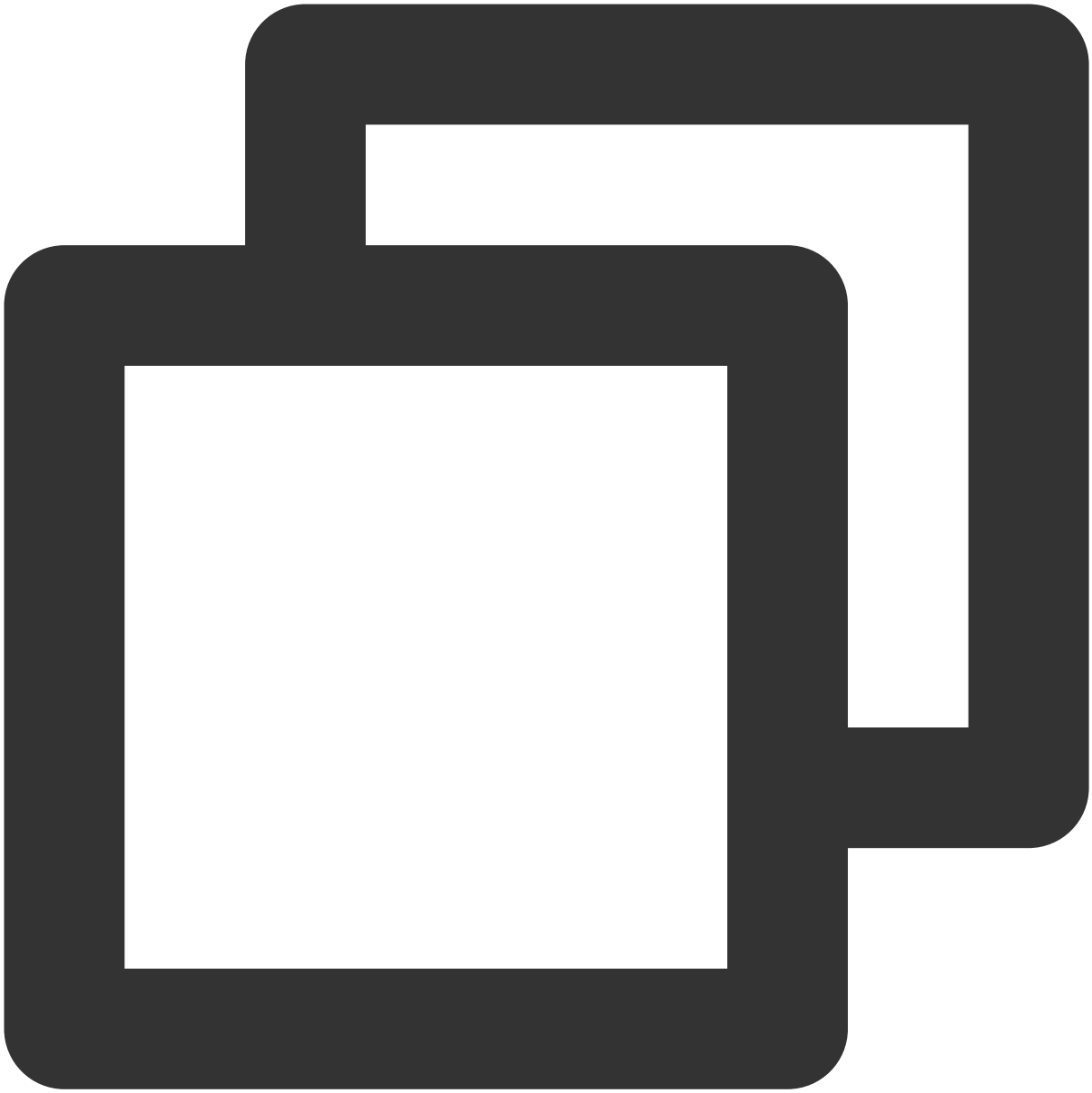
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
PUT /template/t1460606b9752148c4ab182f55163ba7cd HTTP/1.1
Authorization: q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-si
Host: test-1234567890.ci.ap-beijing.myqcloud.com
Content-Length: 1666
Content-Type: application/xml

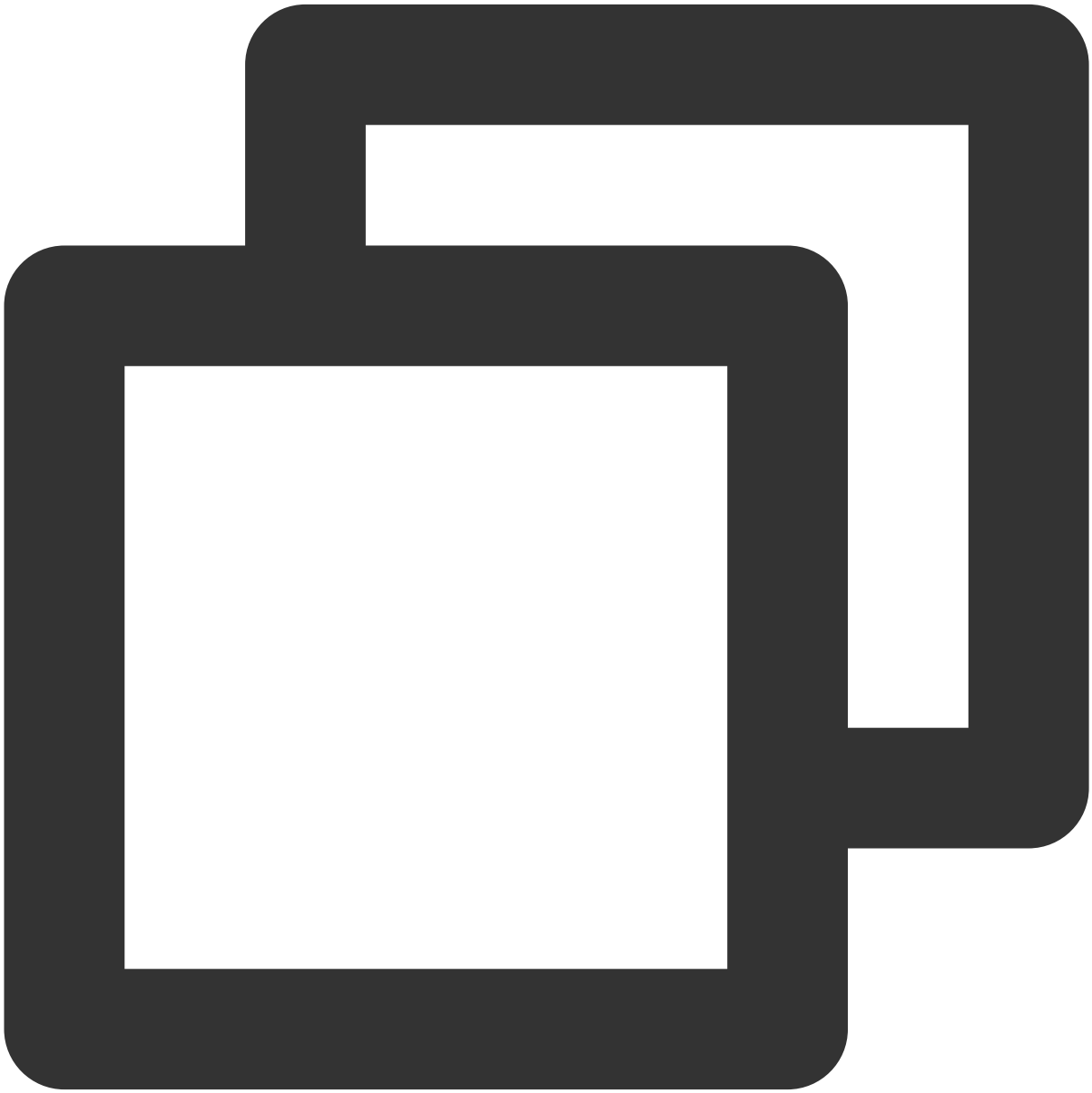
<Request>
    <Tag>SpeechRecognition</Tag>
    <Name>TemplateName</Name>
    <SpeechRecognition>
        <EngineModelType>16k_zh</EngineModelType>
```

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```
        <ResTextFormat>1</ResTextFormat>
        <FilterDirty>0</FilterDirty>
        <FilterModal>1</FilterModal>
        <ConvertNumMode>0</ConvertNumMode>
        <SpeakerDiarization>1</SpeakerDiarization>
        <SpeakerNumber>0</SpeakerNumber>
        <FilterPunc>0</FilterPunc>
        <OutputFileType>txt</OutputFileType>
    </SpeechRecognition>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 100
Connection: keep-alive
Date: Thu, 14 Jul 2022 12:37:29 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzhf****

<Response>
    <Template>
        <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
```

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```
        <Name>TemplateName</Name>
        <State>Normal</State>
        <Tag>SpeechRecognition</Tag>
        <CreateTime>2020-08-05T11:35:24+0800</CreateTime>
        <UpdateTime>2020-08-31T16:15:20+0800</UpdateTime>
        <BucketId>test-1234567890</BucketId>
        <Category>Custom</Category>
        <SpeechRecognition>
            <EngineModelType>16k_zh</EngineModelType>
            <ChannelNum>1</ChannelNum>
            <ResTextFormat>0</ResTextFormat>
            <FilterDirty>1</FilterDirty>
            <FilterModal>0</FilterModal>
            <ConvertNumMode>1</ConvertNumMode>
            <SpeakerDiarization>0</SpeakerDiarization>
            <SpeakerNumber>0</SpeakerNumber>
            <FilterPunc>0</FilterPunc>
        </SpeechRecognition>
    </Template>
</Response>
```

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Batch Job APIs
Triggering Job (Independent Node)

Last updated：2024-02-27 15:58:00

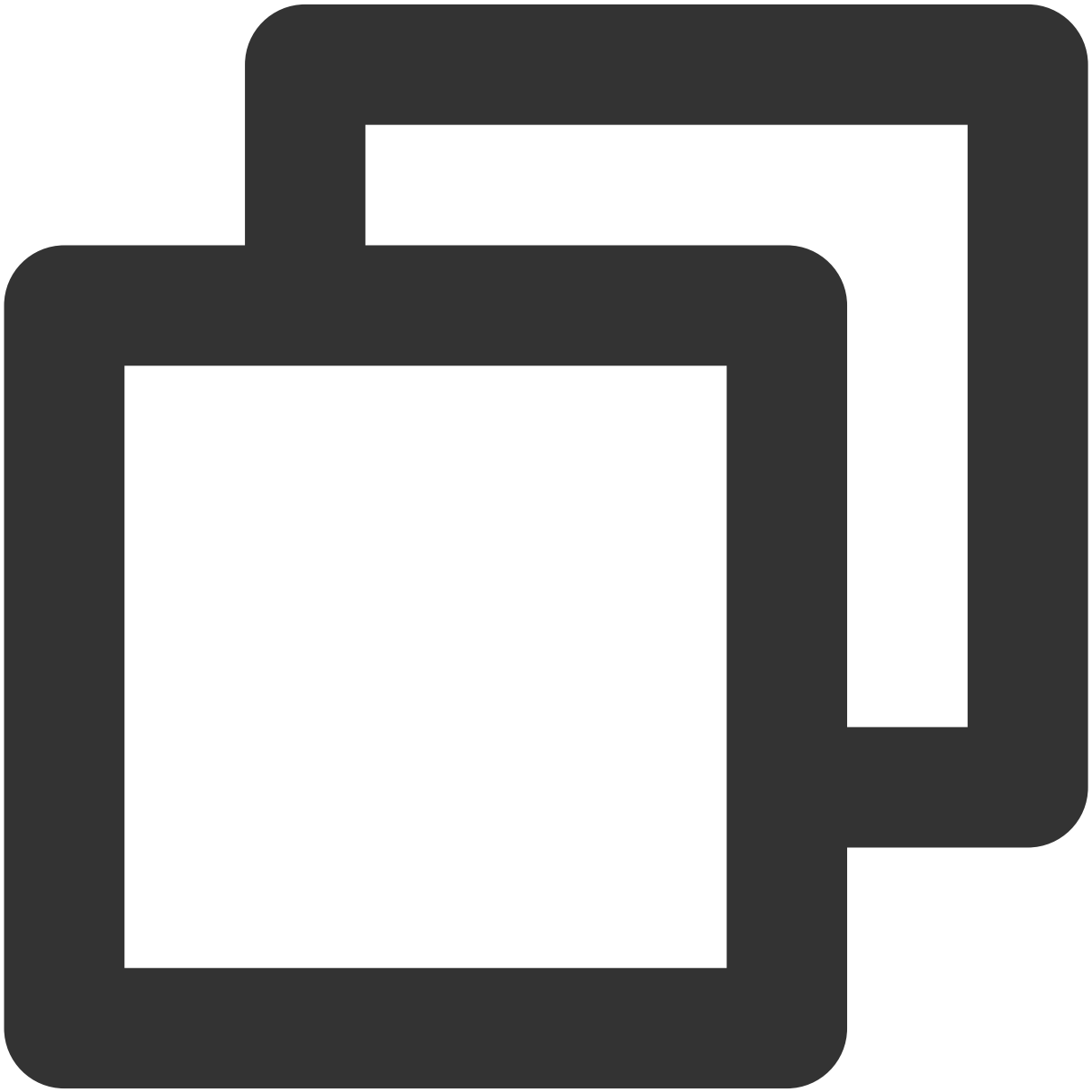
Overview

This API is used to trigger a batch data processing job through independent job parameters.

Request

Sample request

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```
POST /inventorytriggerjob HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml
```

Note:

Authorization: Auth String (See Request Signature for details.)

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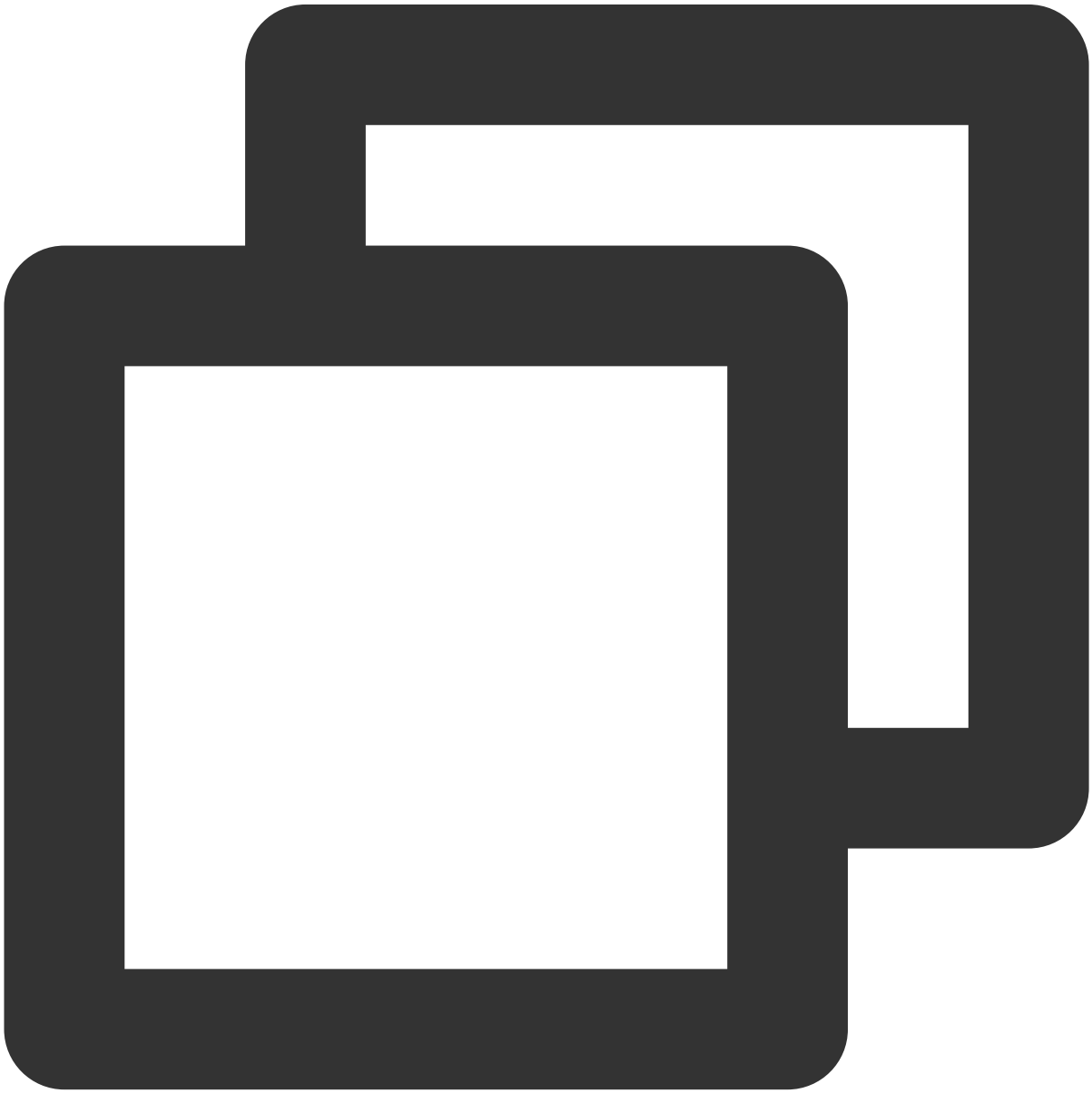
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses Common Request Headers.

Request body

This request requires the following request body:



```
<Request>
```

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```
    <Name>demo</Name>
    <Type>Job</Type>
    <Input>
        <Prefix>input</Prefix>
    </Input>
    <Operation>
        <TimeInterval>
            <Start>2022-02-01T12:00:00+0800</Start>
            <End>2022-05-01T12:00:00+0800</End>
        </TimeInterval>
        <QueueId>p893bcda225bf4945a378da6662e81a89</QueueId>
        <UserData>this is my inventorytriggerjob</UserData>
        <CallBack>https://www.callback.com</CallBack>
        <Tag>Transcode</Tag>
        <JobParam>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        </JobParam>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-1234567890</Bucket>
            <Object>output/${InventoryTriggerJobId}/out.mp4</Object>
        </Output>
        <JobLevel>0</JobLevel>
    </Operation>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Name	Request	Batch data processing job name, which can contain up to 128 letters, digits, hyphens, and underscores.	String	Yes
Type	Request	Batch operation job type: Job	String	Yes
Input	Request	Information about the media to be operated	Container	Yes
Operation	Request	Operation rule	Container	Yes

`Input` has the following sub-nodes:

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Node Name (Keyword)	Parent Node	Description	Type	Required
Manifest	Request.Input	Name of the COS inventory file, i.e., the `manifest.json` file generated by the COS inventory feature.	String	No
UrlFile	Request.Input	Name of the URL file, where each URL is a COS object access address.	String	No
Prefix	Request.Input	Object prefix	String	No
Object	Request.Input	Media filename	String	No

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
TimeInterval	Request.Operation	Trigger range filtered by time	Container	No
Tag	Request.Operation	Tag of the created media job	String	Yes
Output	Request.Operation	Output address **If the media job type is not `VideoTag`, `ExtractDigitalWatermark`, `MediaInfo`, or `QualityEstimate`, this parameter will be required.**	Container	No
JobParam	Request.Operation	Job parameter	Container	Yes
QueueId	Request.Operation	Queue ID	String	Yes
UserData	Request.Operation	User information	String	No
JobLevel	Request.Operation	Job priority. The greater the value, the higher the priority. Valid values: `0`, `1`, `2`. Default value: `0`.	String	No
CallBackFormat	Request.Operation	Job callback format, which can be `JSON` or `XML` (default). It has a higher priority than that of the queue.	String	No
CallBackType	Request.Operation	Job callback type, which can be `Url` (default) or `TDMQ`. It has a	String	No

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		higher priority than that of the queue.		
CallBack	Request.Operation	Job callback address, which has a higher priority than that of the queue. If it is set to `no`, no callbacks will be generated at the callback address of the queue.	String	No
CallBackMqConfig	Request.Operation	TDMQ configuration for job callback, which will be required if `CallBackType` is `TDMQ`.	Container	No

`CallBackMqConfig` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
MqRegion	Request.Operation.CallBackMqConfig	Message queue region. Valid values: `sh` (Shanghai), `bj` (Beijing), `gz` (Guangzhou), `cd` (Chengdu), `hk` (Hong Kong, China).	String	Yes
MqMode	Request.Operation.CallBackMqConfig	Message queue mode. Default value: `Queue`. Topic: Topic subscription Queue: Queue service	String	Yes
MqName	Request.Operation.CallBackMqConfig	TDMQ topic name	String	Yes

`Operation.Tag` supports the following types:

Job Type	Tag
Video-to-animated image conversion	Animatin
Intelligent thumbnail	SmartCover
Audio/Video transcoding	Transcode
Screenshot	Snapshot
Speech recognition	SpeechRecognition
Audio/Video splicing	Concat

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Voice/Sound separation	VoiceSpearte
Video montage	VideoMontage
SDR to HDR	SDRtoHDR
Voice/Sound separation	VoiceSeparate
Video enhancement	VideoProcess
Super resolution	SuperResolution
Audio/Video remuxing	Segment
Video tagging	VideoTag
Image processing	PicProcess
Digital watermark	DigitalWatermark
Digital watermark extraction	ExtractDigitalWatermark
Async media information query	MediaInfo
Audio/Video stream separation	StreamExtract
Text to speech	Tts
Audio noise cancellation	NoiseReduction
Video quality analysis	QualityEstimate

`TimeInterval` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Start	Request.Operation.TimeInterval	Start time	String	No	0	Upload time scanned ob %Y-%m-%dT%H:%r
End	Request.Operation.TimeInterval	End time	String	No	Current time	Upload time scanned ob %Y-%m-%dT%H:%r

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`Output` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Constraints
Region	Request.Operation.Output	Bucket region	String	Yes	None
Bucket	Request.Operation.Output	Bucket name	String	Yes	None
Object	Request.Operation.Output	Result filename	String	No	**If the medi `VoiceSe` parameter If the medi `Request` is greater included. If the medi `Snapsho` parameter**
AuObject	Request.Operation.Output	Voice/Sound result filename	String	No	**If the medi parameter** `Object`
SpriteObject	Request.Operation.Output	Image sprite name	String	No	**If the medi take effect empty at tl If** `Snapsh` `${Numbe:` Only the `j`
StreamExtract	Request.Operation.Output	Configuration information of the stream separation result file. **If the media job type is** `StreamExtract` **, this parameter will take effect and be required.**	Container	Yes	None

`StreamExtract` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description

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Index	Request.Operation.Output.StreamExtract	Stream number, which corresponds to `Response.MediaInfo.Stream.Video.Index` and `Response.MediaInfo.Stream.Audio.Index` in the media information. For more information, see Getting Media File Information. If the input media format is `mxf` , only video streams can be extracted.
Object	Request.Operation.Output.StreamExtract	Result output filename

`JobParam` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
TemplateId	Request.Operation.JobParam	Template ID	String
TranscodeTemplateId	Request.Operation.JobParam	Transcoding template ID, which will take effect if the media job type is `VideoProcess` , `SuperResolution` , or `SDR2HDR` .	Container
Animation	Request.Operation.JobParam	Animated image job parameter, which will take effect if the media job type is `Animation` .	Container
Transcode	Request.Operation.JobParam	Transcoding job parameter, which will take effect if the media job type is `Transcode` , `VideoProcess` , `SuperResolution` , or `SDR2HDR` .	String
SmartCover	Request.Operation.JobParam	Intelligent thumbnail job parameter, which will take effect if the media job type is `SmartCover` .	Container
DigitalWatermark	Request.Operation.JobParam	Digital watermark parameter, which will take effect if the media job type is `Transcode` , `VideoProcess` , `SuperResolution` , or `DigitalWatermark` .	Container
Watermark	Request.Operation.JobParam	Watermark template parameter,	Container

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		which is the same as `Request.Watermark` in the watermark template creation API `CreateMediaTemplate` and will take effect if the media job type is `Transcode` , `SDR2HDR` , `VideoProcess` , or `SuperResolution` .	
RemoveWatermark	Request.Operation.JobParam	Digital watermark removal parameter, which will take effect if the media job type is `Transcode` .	Container
WatermarkTemplateId	Request.Operation.JobParam	Watermark template parameter, which is the same as `Request.Watermark` in the watermark template creation API `CreateMediaTemplate` and will take effect if the media job type is `Transcode` , `SDR2HDR` , `VideoProcess` , or `SuperResolution` .	Container
RemoveWatermark	Request.Operation.JobParam	Digital watermark removal parameter, which will take effect if the media job type is `Transcode` .	Container
Snapshot	Request.Operation.JobParam	Screenshot job parameter, which will take effect if the media job type is `Snapshot` .	Container
SpeechRecognition	Request.Operation.JobParam	Speech recognition job parameter, which will take effect if the media job type is `SpeechRecognition` .	Container
ConcatTemplate	Request.Operation.JobParam	Splicing job parameter, which will take effect if the media job type is `Concat` .	Container
VoiceSeparate	Request.Operation.JobParam	Voice/Sound separation job parameter, which will take effect if the media job type is `VoiceSeparate` .	Container

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VideoMontage	Request.Operation.JobParam	Video montage job parameter, which will take effect if the media job type is `VideoMontage`.	Container
SDRtoHDR	Request.Operation.JobParam	SDR-to-HDR job parameter, which will take effect if the media job type is `SDRtoHDR`.	Container
VideoProcess	Request.Operation.JobParam	Video enhancement job parameter, which will take effect if the media job type is `VideoProcess`.	Container
SuperResolution	Request.Operation.JobParam	Super resolution job parameter, which will take effect if the media job type is `SuperResolution`.	Container
Segment	Request.Operation.JobParam	Remuxing job parameter, which will take effect if the media job type is `Segment`.	Container
ExtractDigitalWatermark	Request.Operation.JobParam	Digital watermark extraction job parameter, which will take effect if the media job type is `ExtractDigitalWatermark`.	Container
VideoTag	Request.Operation.JobParam	Video tagging job parameter, which will take effect if the media job type is `VideoTag`.	Container
TtsTpl	Request.Operation.JobParam	Text-to-speech template parameter, which will take effect if the media job type is `Tts`.	Container

Note:

`TemplateId` is used first. If `TemplateId` is unavailable, the corresponding job type parameter is used.

`DigitalWatermark` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Message	Request.Operation.JobParam.DigitalWatermark	The string embedded by the digital watermark, which can contain up to 64 letters, digits,	String

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		underscores (_), hyphens (-), and asterisks (*).	
Type	Request.Operation.JobParam.DigitalWatermark	Watermark type, which currently can be set to `Text` only.	String
Version	Request.Operation.JobParam.DigitalWatermark	Watermark version, which currently can be set to `V1` only.	String
IgnoreError	Request.Operation.JobParam.DigitalWatermark	Whether to ignore the watermarking failure and continue the job. Valid values: `true`, `false` (default). If `Request.Operation.Tag` is `DigitalWatermark`, this parameter will not take effect, and the job will fail if watermark adding fails.	String

`Animation` has the following sub-nodes:

Same as `Request.Operation.Animation` as described in Submitting Video-to-Animated Image Conversion Job.

`Transcode` has the following sub-nodes:

Same as `Request.Operation.Transcode` as described in Submitting Audio/Video Transcoding Job.

`Watermark` has the following sub-nodes:

Same as `Request.Operation.Watermark` as described in Submitting Audio/Video Transcoding Job.

`RemoveWatermark` has the following sub-nodes:

Same as `Request.Operation.RemoveWatermark` as described in Submitting Audio/Video Transcoding Job.

`SmartCover` has the following sub-nodes:

Same as `Request.Operation.SmartCover` as described in Submitting Intelligent Thumbnail Job.

`Snapshot` has the following sub-nodes:

Same as `Request.Operation.Snapshot` as described in Submitting Video Frame Capturing Job.

`SpeechRecognition` has the following sub-nodes:

Same as `Request.Operation.SpeechRecognition` as described in Submitting Speech Recognition Job.

`ConcatTemplate` has the following sub-nodes:

Same as `Request.Operation.ConcatTemplate` as described in Submitting Video Splicing Job.

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`VoiceSeparate` has the following sub-nodes:

Same as `Request.Operation.VoiceSeparate` as described in Submitting Voice/Sound Separation Job.

`VideoMontage` has the following sub-nodes:

Same as `Request.Operation.VideoMontage` as described in Submitting Video Montage Job.

`SDRtoHDR` has the following sub-nodes:

Same as `Request.Operation.SDRtoHDR` as described in Submitting SDR-to-HDR Job.

`VideoProcess` has the following sub-nodes:

Same as `Request.Operation.VideoProcess` as described in Submitting Video Enhancement Job.

`SuperResolution` has the following sub-nodes:

Same as `Request.Operation.SuperResolution` as described in Submitting Super Resolution Job.

`Segment` has the following sub-nodes:

Same as `Request.Operation.Segment` as described in Submitting Remuxing Job.

`ExtractDigitalWatermark` has the following sub-nodes:

Same as `Request.Operation.ExtractDigitalWatermark` as described in Submitting Digital Watermark Extracting Job.

`VideoTag` has the following sub-nodes:

Same as `Request.Operation.VideoTag` as described in Submitting Video Tagging Job.

`TtsTpl` has the following sub-nodes:

Same as `Request.Operation.TtsTpl` as described in Submitting Text-to-Speech Job.

Response

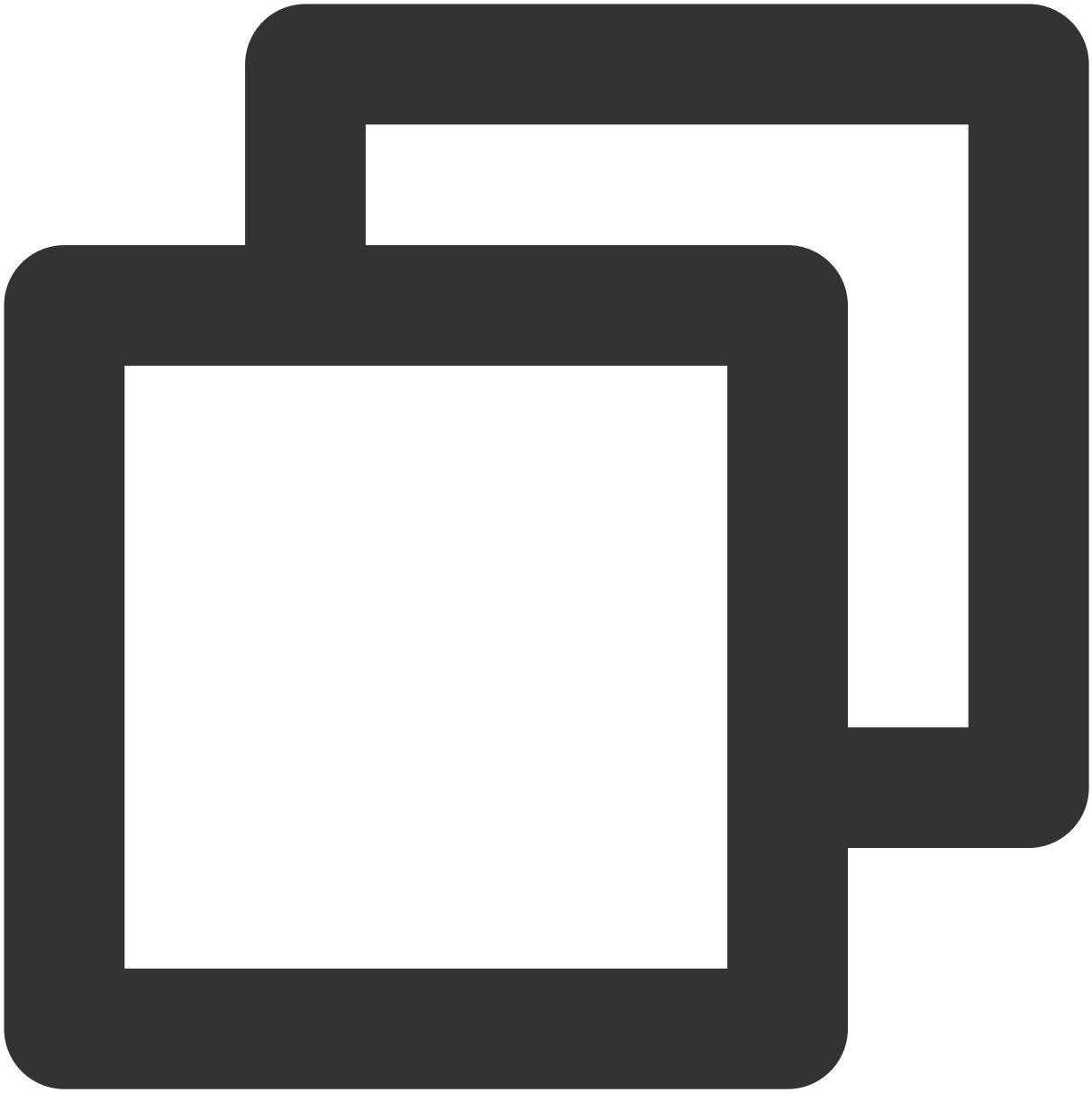
Response headers

This API only returns Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId>NjJiZDU1ZmZfOTBmYTUwNjRfNzdjY18xYQ==<RequestId>
    <JobsDetail>
        <Code>Success</Code>
        <Type>Job</Type>
        <Message/>
        <Name>demo</Name>
        <JobId>be8f65004eb8511eaaed4f377124a303c</JobId>
        <State>Running</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>2022-06-27T15:23:11+0800</StartTime>
```

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```
        <EndTime>2022-06-27T15:25:10+0800</EndTime>
        <Input>
            <Prefix>input</Prefix>
        </Input>
        <Operation>
            <TimeInterval>
                <Start>2022-02-01T12:00:00+0800</Start>
                <End>2022-05-01T12:00:00+0800</End>
            </TimeInterval>
            <QueueId>p893bcda225bf4945a378da6662e81a89</QueueId>
            <UserData>this is my inventorytriggerjob</UserData>
            <CallBack>https://www.callback.com</CallBack>
            <Tag>Transcode</Tag>
            <JobParam>
                <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            </JobParam>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
                <Object>output/${InventoryTriggerJobId}/out.mp4</Object>
            </Output>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Result storage container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String

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Message	Response.JobsDetail	Error message, which will be returned only if `State` is `Failed`	String
Type	Response.JobsDetail	Batch operation job type: Job	String
Name	Response.JobsDetail	Job name	String
JobId	Response.JobsDetail	Job ID	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String
CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
Input	Response.JobsDetail	Input resource address of the job, which is the same as the `Request.Input` node in the request.	Container
Operation	Response.JobsDetail	Operation rule, which is the same as the `Request.Input Operation` node in the request.	Container

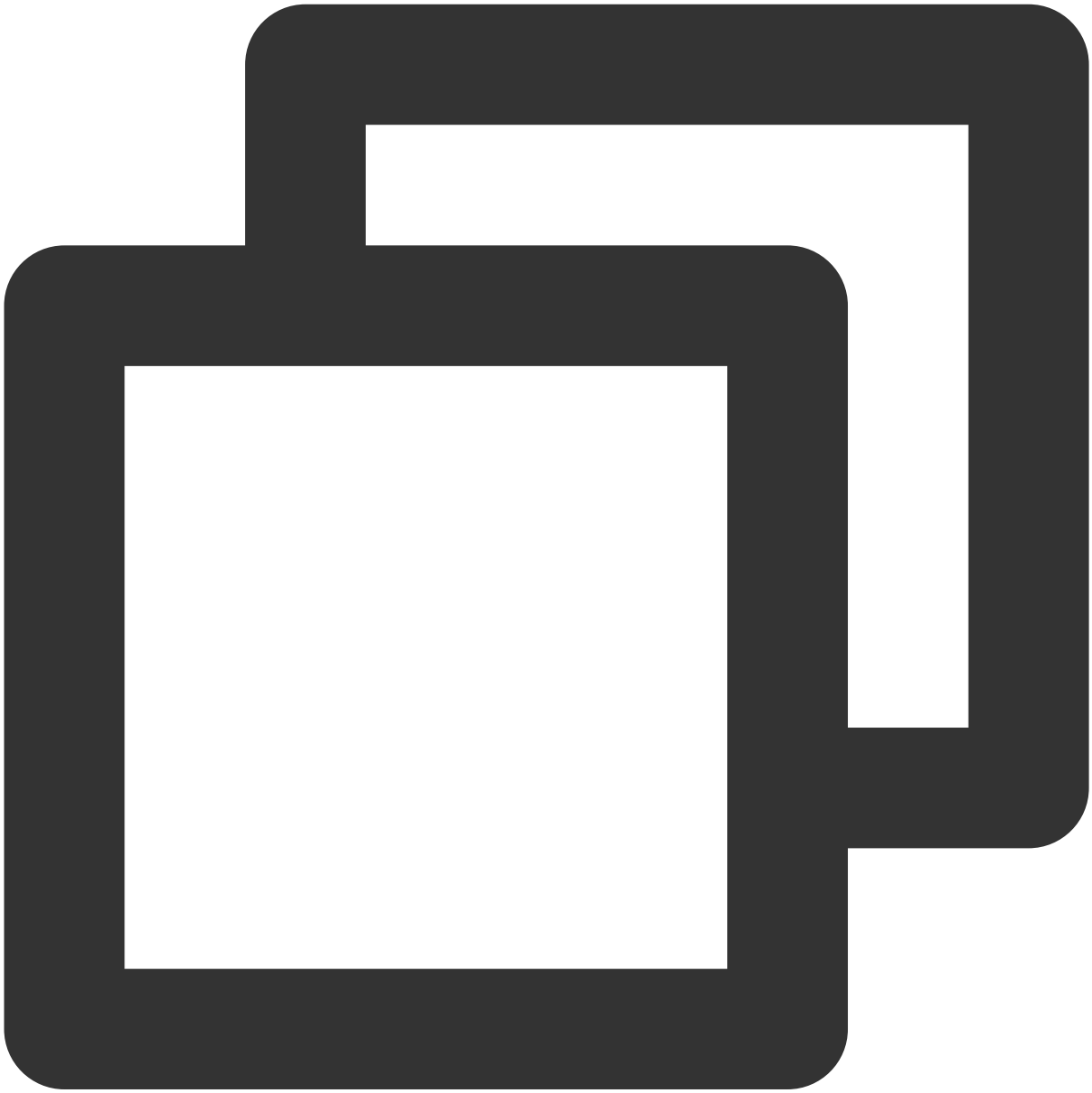
Error codes

No special error message will be returned for this request. For the common error messages, please see Error Codes.

Examples

Request

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```
POST /inventorytriggerjob HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

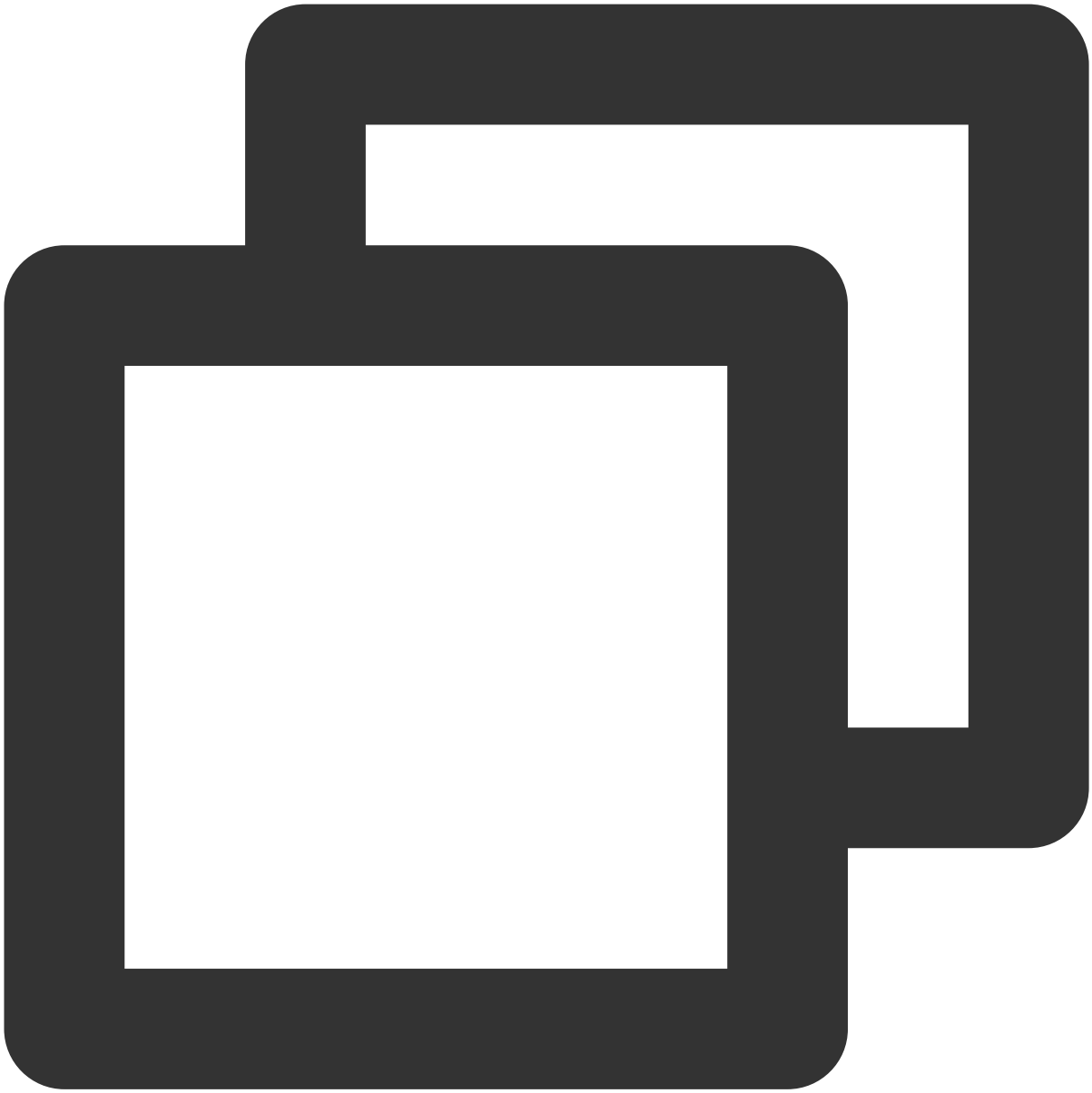
<Request>
    <Name>demo</Name>
    <Type>Job</Type>
    <Input>
        <Prefix>input</Prefix>
```

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```
    </Input>
    <Operation>
        <TimeInterval>
            <Start>2022-02-01T12:00:00+0800</Start>
            <End>2022-05-01T12:00:00+0800</End>
        </TimeInterval>
        <QueueId>p893bcda225bf4945a378da6662e81a89</QueueId>
        <UserData>this is my inventorytriggerjob</UserData>
        <CallBack>https://www.callback.com</CallBack>
        <Tag>Transcode</Tag>
        <JobParam>
            <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
        </JobParam>
        <Output>
            <Region>ap-chongqing</Region>
            <Bucket>test-1234567890</Bucket>
            <Object>output/${InventoryTriggerJobId}/out.mp4</Object>
        </Output>
        <JobLevel>0</JobLevel>
    </Operation>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJiZDU1ZmZfOTBmYTUwNjRfNzdjY18xYQ==

<Response>
    <RequestId>NjJiZDU1ZmZfOTBmYTUwNjRfNzdjY18xYQ==<RequestId>
    <JobsDetail>
```

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```
        <Code>Success</Code>
        <Type>Job</Type>
        <Message/>
        <Name>demo</Name>
        <JobId>be8f65004eb8511eaaed4f377124a303c</JobId>
        <State>Running</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>2022-06-27T15:23:11+0800</StartTime>
        <EndTime>2022-06-27T15:25:10+0800</EndTime>
        <Input>
            <Prefix>input</Prefix>
        </Input>
        <Operation>
            <TimeInterval>
                <Start>2022-02-01T12:00:00+0800</Start>
                <End>2022-05-01T12:00:00+0800</End>
            </TimeInterval>
            <QueueId>p893bcda225bf4945a378da6662e81a89</QueueId>
            <UserData>this is my inventorytriggerjob</UserData>
            <CallBack>https://www.callback.com</CallBack>
            <Tag>Transcode</Tag>
            <JobParam>
                <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            </JobParam>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
                <Object>output/${InventoryTriggerJobId}/out.mp4</Object>
            </Output>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
</Response>
```

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Triggering Job

Last updated：2024-02-27 15:58:00

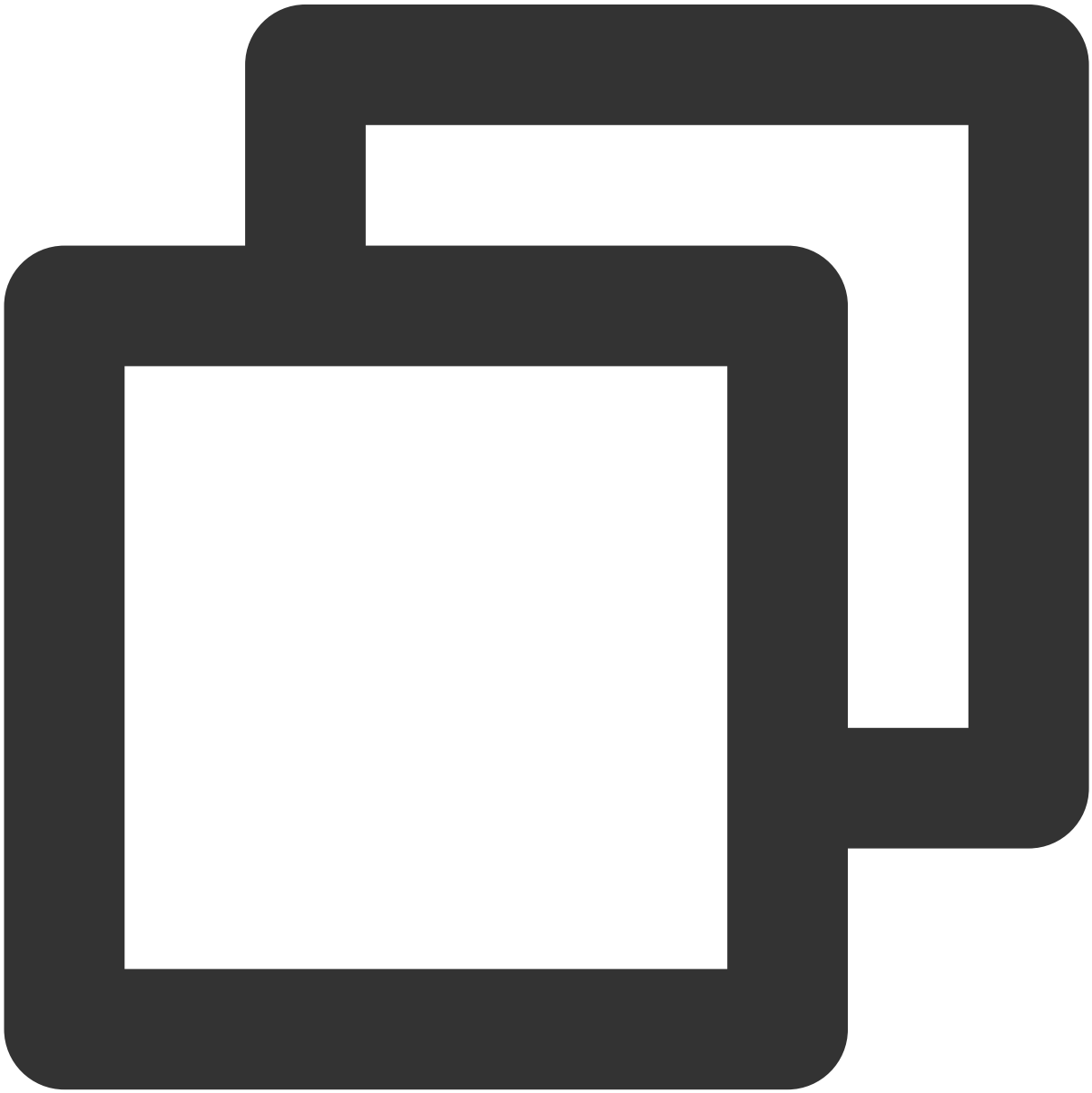
Feature Description

This API is used to trigger a batch data processing job through workflow.

Request

Sample request

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```
POST /inventorytriggerjob HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
Content-Length: <length>
Content-Type: application/xml

<body>
```

Note:

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Authorization: Auth String (for more information, see Request Signature).

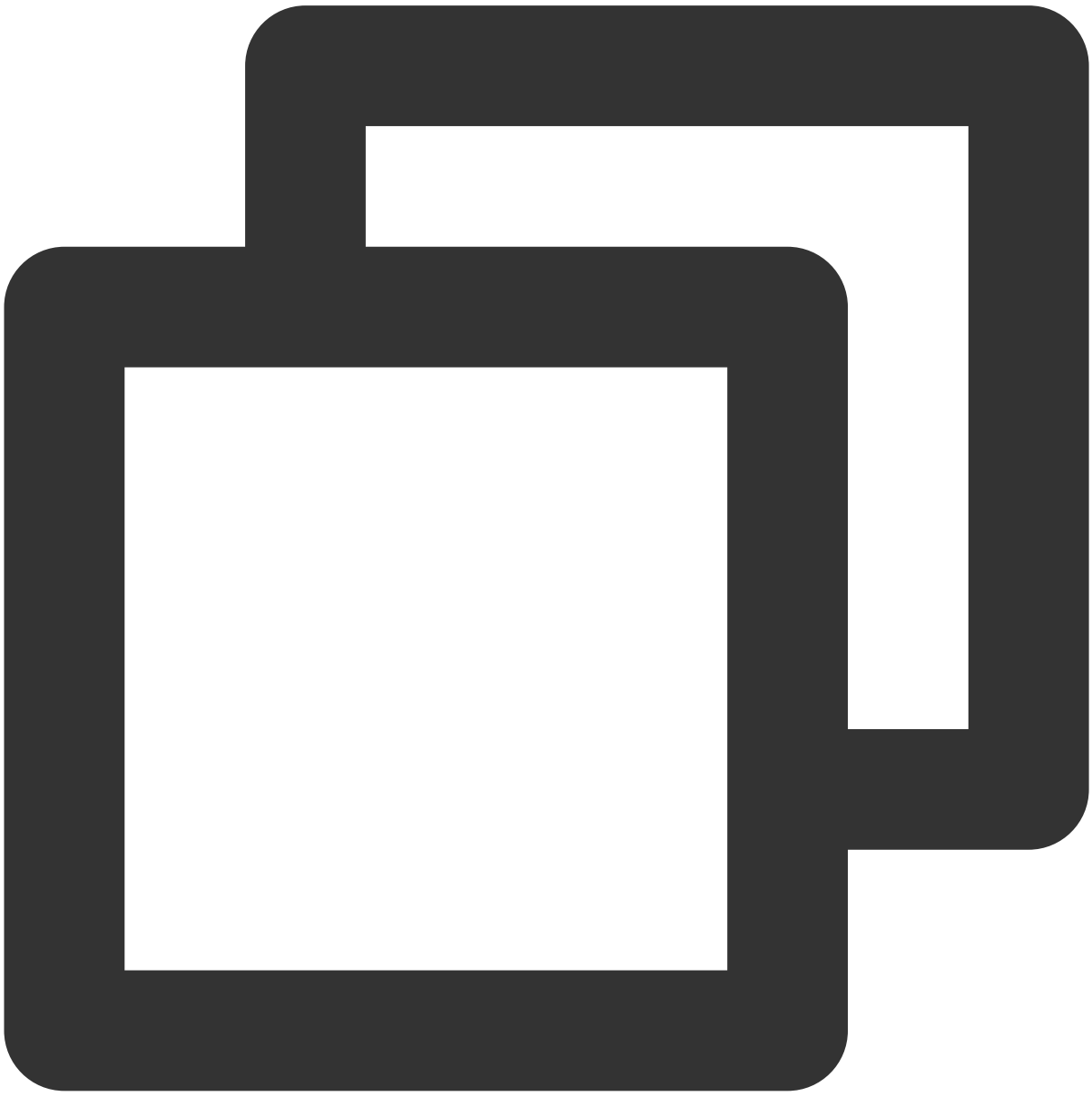
When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request requires the following request body:



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```
<Request>
    <Name>demo</Name>
    <Type>Workflow</Type>
    <Input>
        <Prefix>input</Prefix>
    </Input>
    <Operation>
        <TimeInterval>
            <Start>2022-02-01T12:00:00+0800</Start>
            <End>2022-05-01T12:00:00+0800</End>
        </TimeInterval>
        <WorkflowIds>w7476ff3564ee45b7b490d64bccaba6cc</WorkflowIds>
    </Operation>
</Request>
```

The nodes are described as follows:

Node Name (Keyword)	Parent Node	Description	Type	Required
Request	None	Request container	Container	Yes

`Request` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Name	Request	Batch data processing job name, which can contain up to 128 letters, digits, hyphens, and underscores.	String	Yes
Type	Request	Batch operation job type: `Workflow` .	String	No
Input	Request	Information of the media file to be processed	Container	Yes
Operation	Request	Operation rule	Container	Yes

`Input` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
Manifest	Request.Input	Name of the COS inventory file, i.e., the `manifest.json` file generated by the COS inventory feature.	String	No
UrlFile	Request.Input	Name of the URL file, where each URL is a COS	String	No

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		object access address.		
Prefix	Request.Input	Object prefix	String	No
Object	Request.Input	Media filename	String	No

`Operation` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required
WorkflowIds	Request.Operation	ID of the triggered workflow	String	Yes
TimeInterval	Request.Operation	Trigger range filtered by time	Container	No

`TimeInterval` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type	Required	Default Value	Constraints
Start	Request.TimeInterval	Start time	String	No	0	Upload time of the scanned object %Y-%m-%dT%H:%m:%S%z
End	Request.TimeInterval	End time	String	No	Current time	Upload time of the scanned object %Y-%m-%dT%H:%m:%S%z

Response

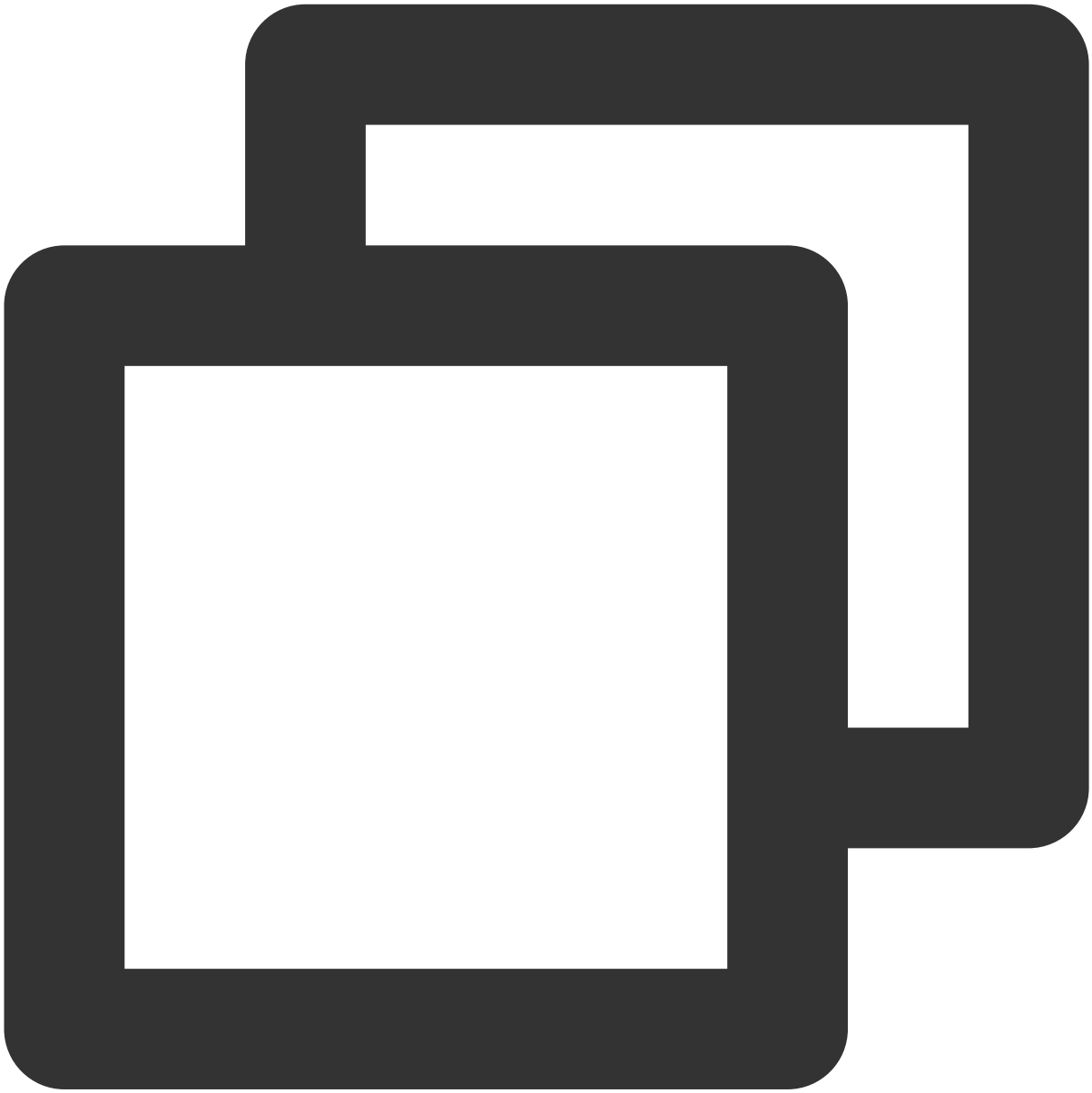
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <JobsDetail>
        <Code>Success</Code>
        <Message/>
        <Type>Workflow</Type>
        <Name>demo</Name>
        <JobId>b3deffea2f84911ec9cb15254008618d9</JobId>
        <State>Running</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
```

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```
        <Input>
            <Prefix>input</Prefix>
        </Input>
        <Operation>
            <TimeInterval>
                <Start>2022-02-01T12:00:00+0800</Start>
                <End>2022-05-01T12:00:00+0800</End>
            </TimeInterval>
            <WorkflowIds>w7476ff3564ee45b7b490d64bccaba6cc</WorkflowIds>
        </Operation>
    </JobsDetail>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
JobsDetail	Response	Job details	Container

`JobsDetail` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
Code	Response.JobsDetail	Error code, which is returned only if `State` is `Failed`	String
Message	Response.JobsDetail	Error message, which is returned only if `State` is `Failed`	String
Type	Response.JobsDetail	Batch operation job type	String
Name	Response.JobsDetail	Job name	String
JobId	Response.JobsDetail	Job ID	String
State	Response.JobsDetail	Job status. Valid values: `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String

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CreationTime	Response.JobsDetail	Job creation time	String
StartTime	Response.JobsDetail	Job start time	String
EndTime	Response.JobsDetail	Job end time	String
Input	Response.JobsDetail	Same as `Request.Input` in the request	Container
Operation	Response.JobsDetail	Same as `Request.Operation` in the request	Container

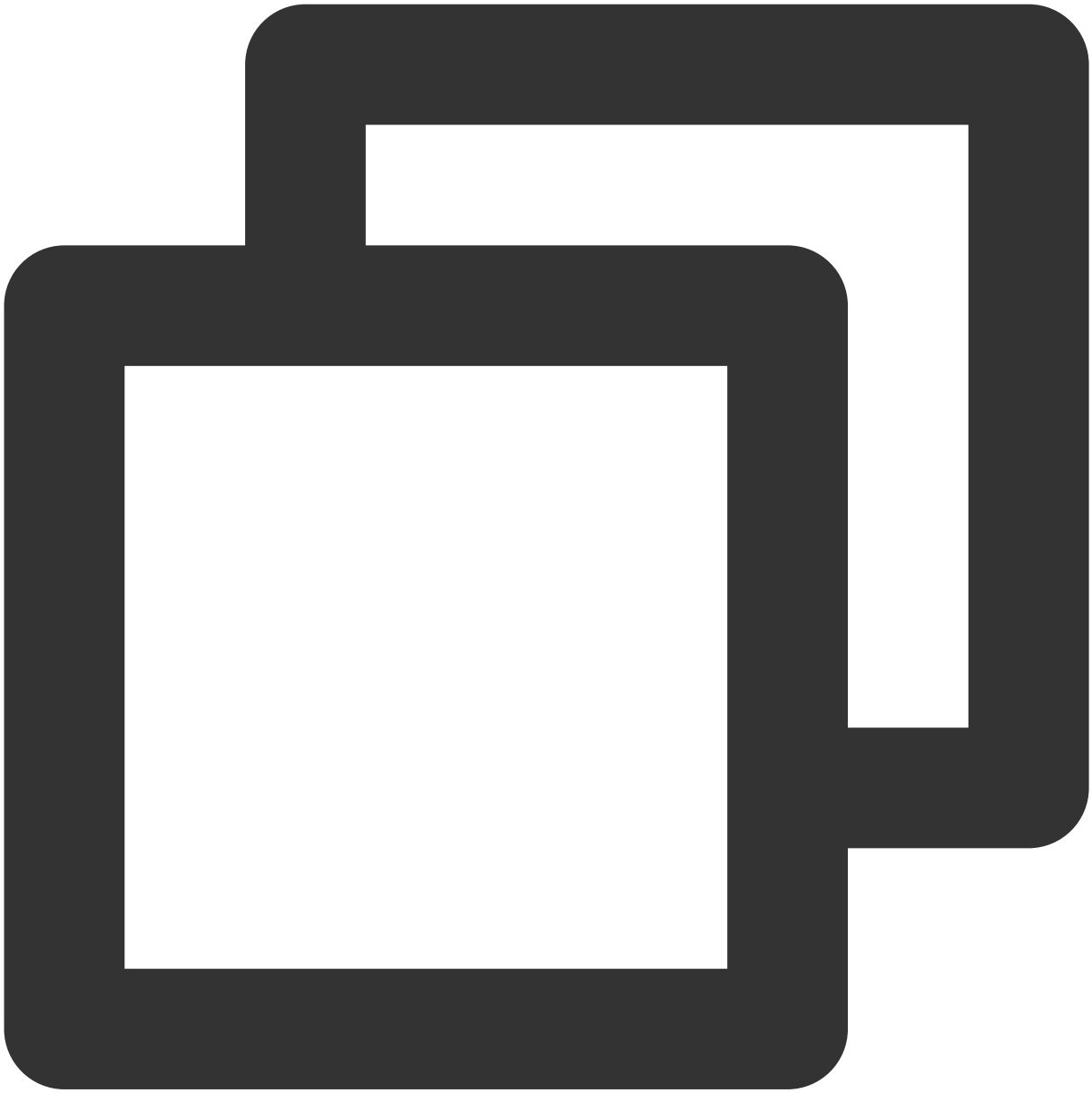
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

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```
POST /inventorytriggerjob HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
Content-Length: 166
Content-Type: application/xml

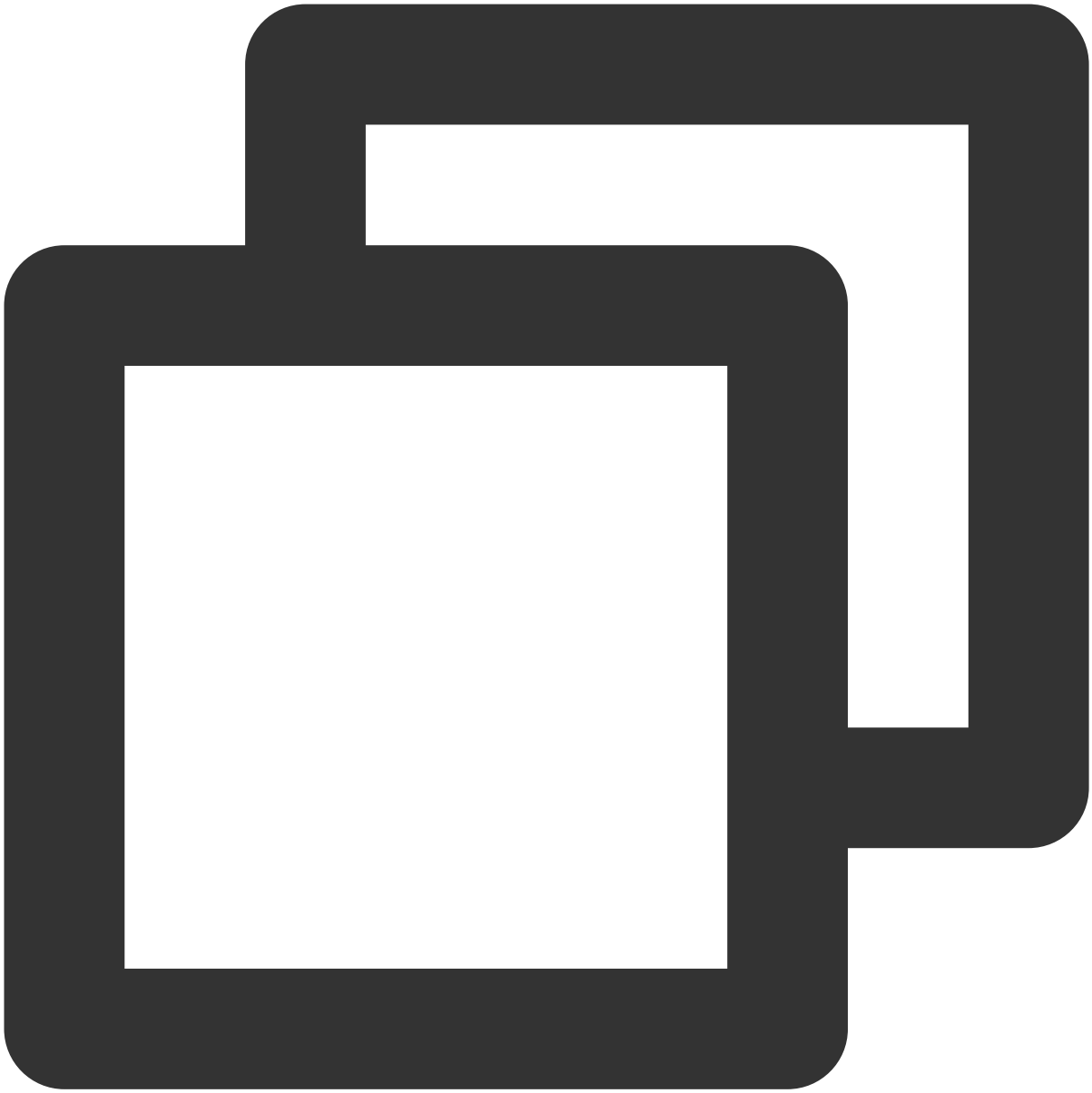
<Request>
    <Name>demo</Name>
    <Type>Workflow</Name>
    <Input>
        <Prefix>input</Prefix>
```

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```
    </Input>
    <Operation>
        <TimeInterval>
            <Start>2022-02-01T12:00:00+0800</Start>
            <End>2022-05-01T12:00:00+0800</End>
        </TimeInterval>
        <WorkflowIds>w7476ff3564ee45b7b490d64bccaba6cc</WorkflowIds>
    </Operation>
</Request>
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 230
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <JobsDetail>
        <Code>Success</Code>
```

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```
        <Type>Workflow</Type>
        <Message/>
        <Name>demo</Name>
        <JobId>b3deffea2f84911ec9cb15254008618d9</JobId>
        <State>Running</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <Input>
            <Prefix>input</Prefix>
        </Input>
        <Operation>
            <TimeInterval>
                <Start>2022-02-01T12:00:00+0800</Start>
                <End>2022-05-01T12:00:00+0800</End>
            </TimeInterval>
            <WorkflowIds>w7476ff3564ee45b7b490d64bccaba6cc</WorkflowIds>
        </Operation>
    </JobsDetail>
</Response>
```

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Canceling Job

Last updated：2024-02-27 15:58:00

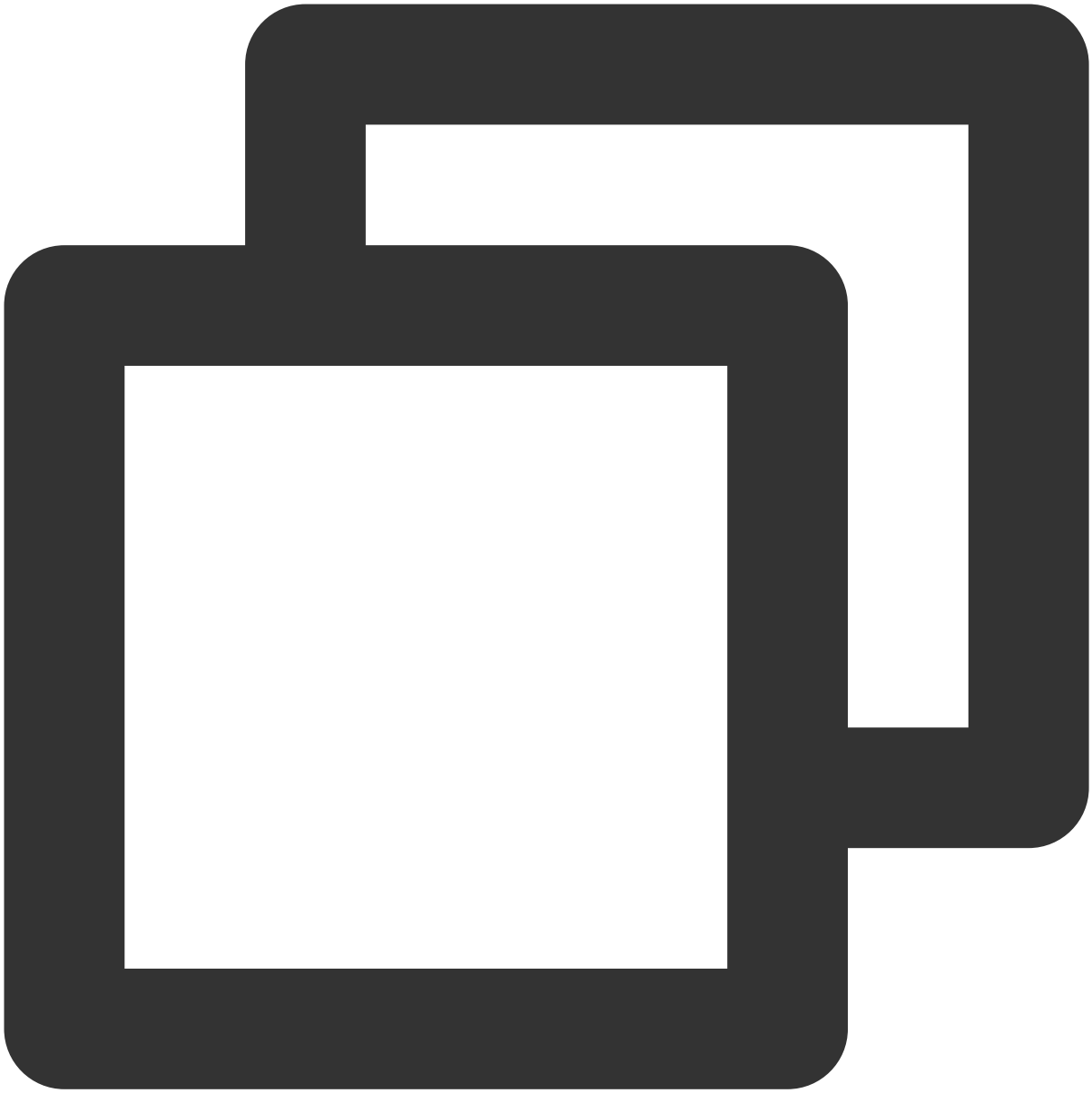
Feature Description

This API is used to cancel a batch data processing job.

Request

Sample request

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```
PUT /inventorytriggerjob/<jobId>?cancel HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Response

Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

This request has no response body.

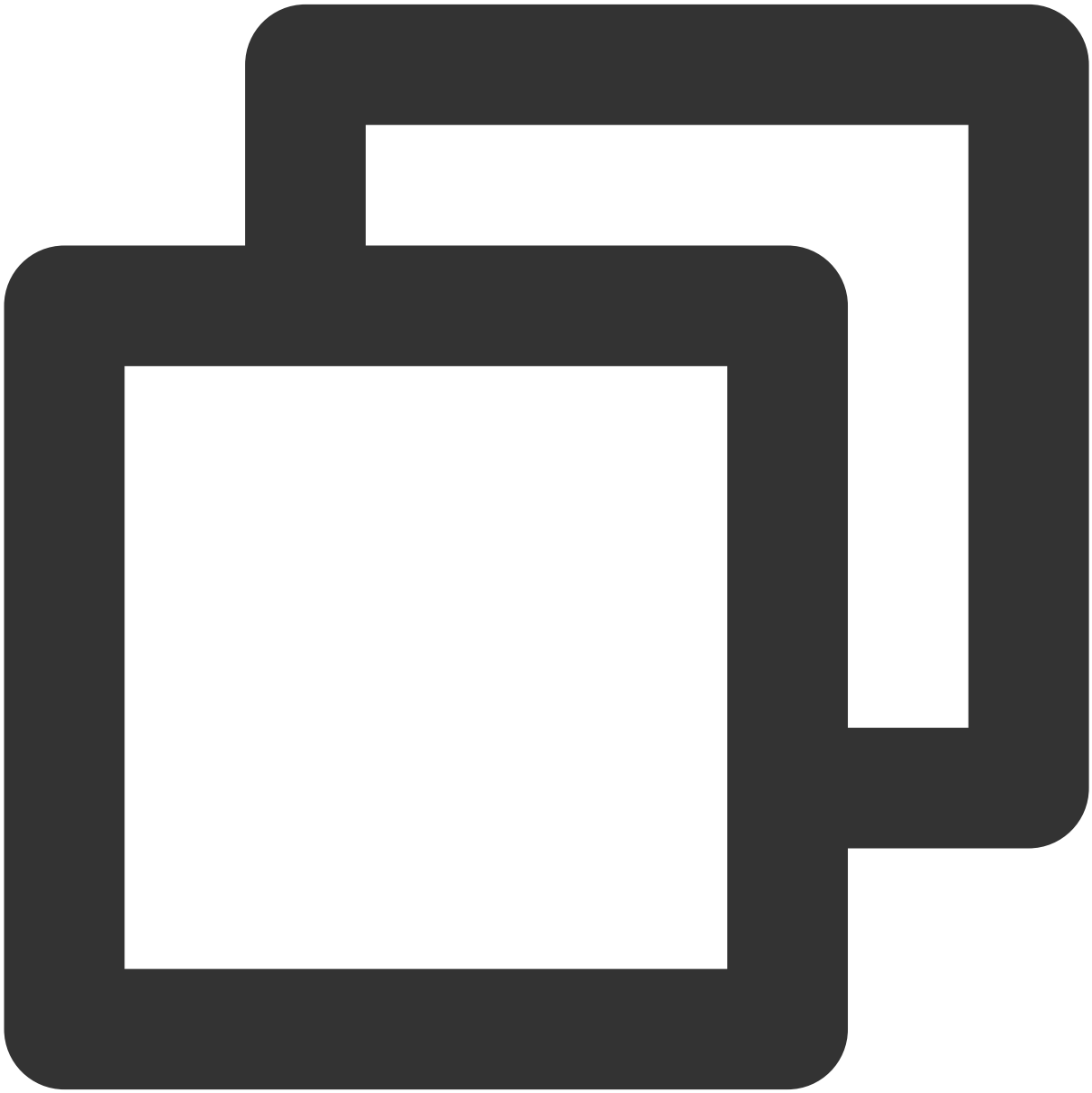
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

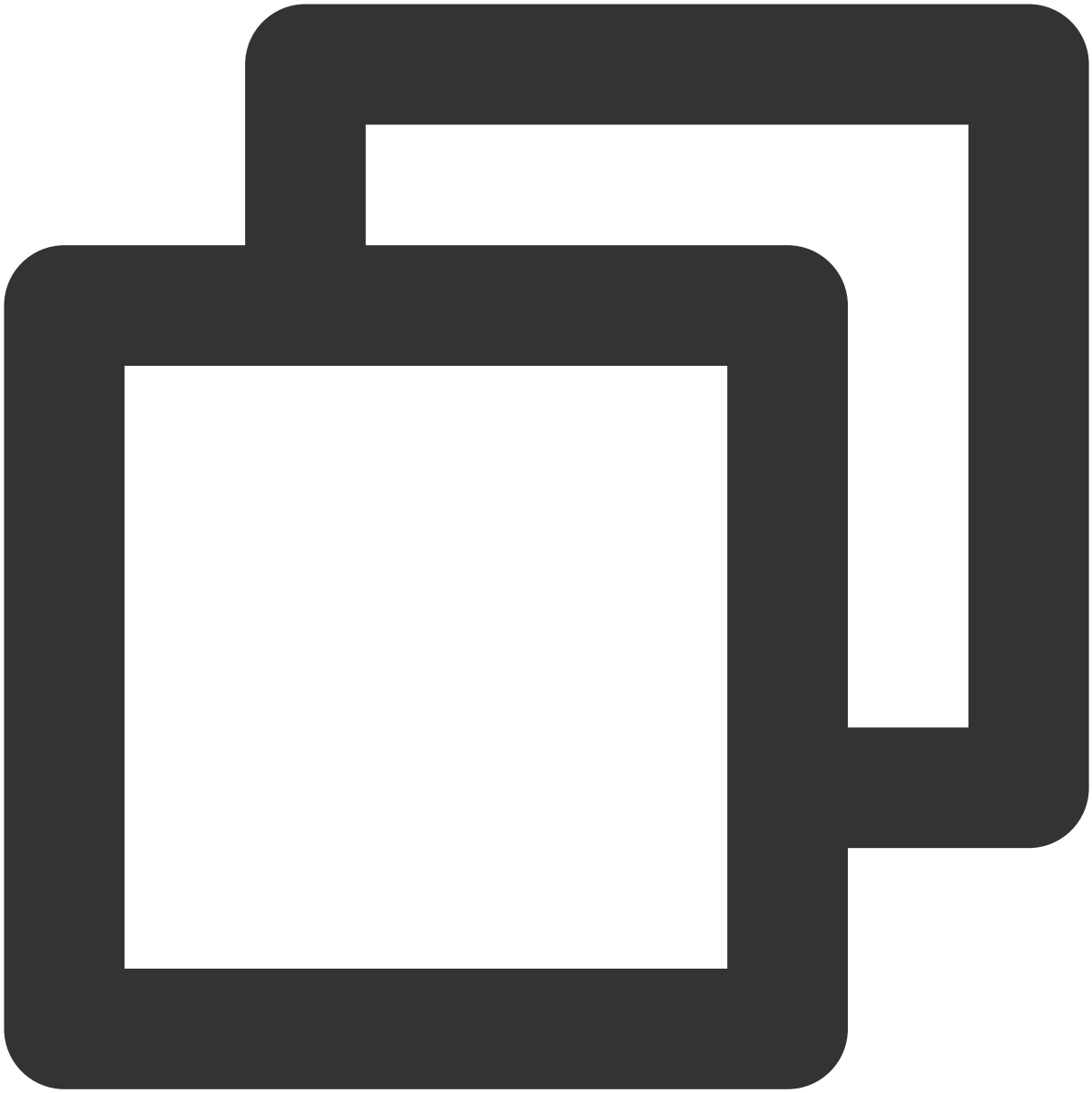
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```
PUT /inventorytriggerjob/b-xxx-xxx-xxx-xxxx?cancel HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Length: 0
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=
```

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Querying Job

Last updated：2024-02-27 15:58:00

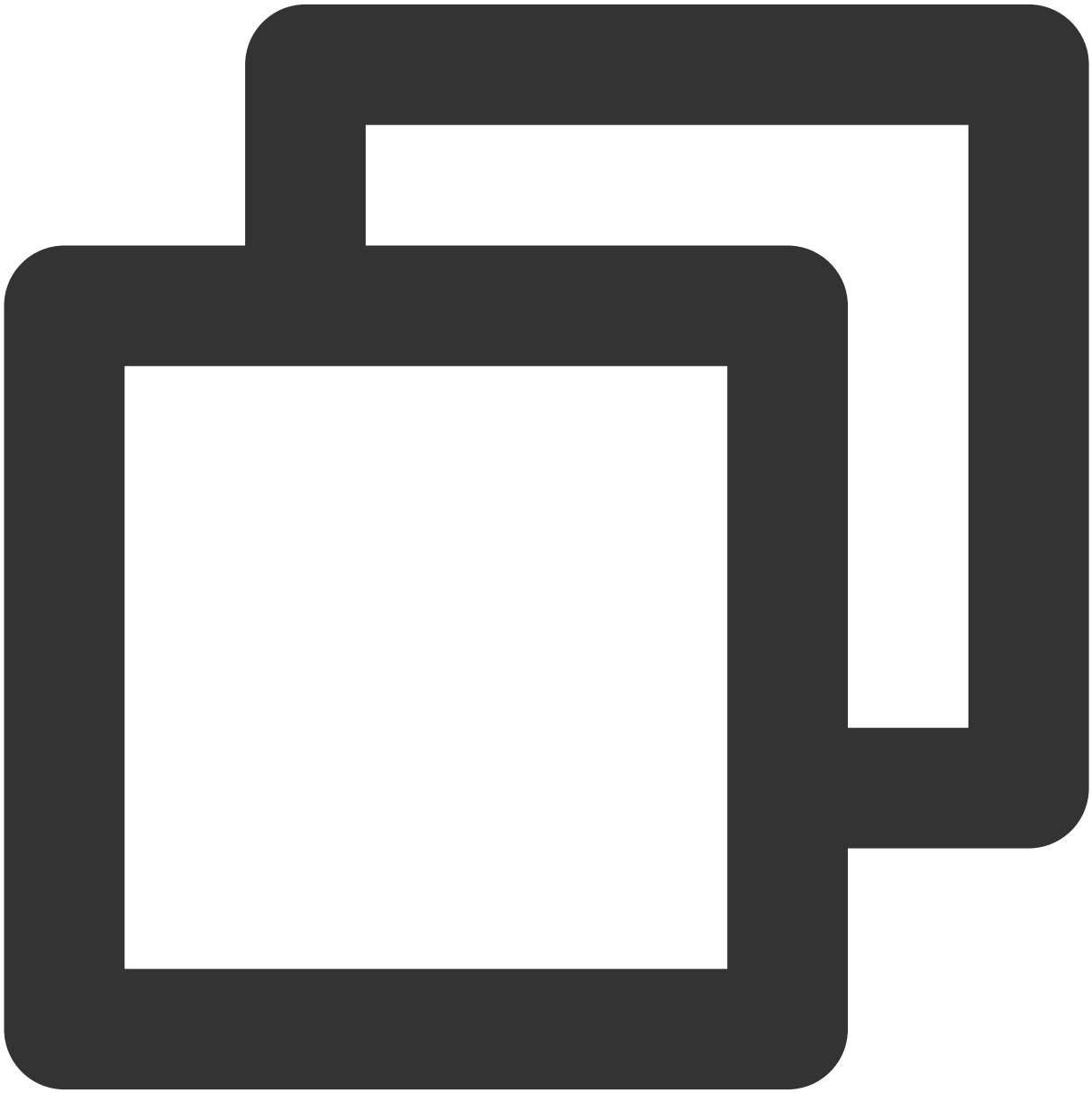
Feature Description

This API is used to query a batch data processing job.

Request

Sample request

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```
GET /inventorytriggerjob/<jobId> HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted as instructed in Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

The request body of this request is empty.

Response

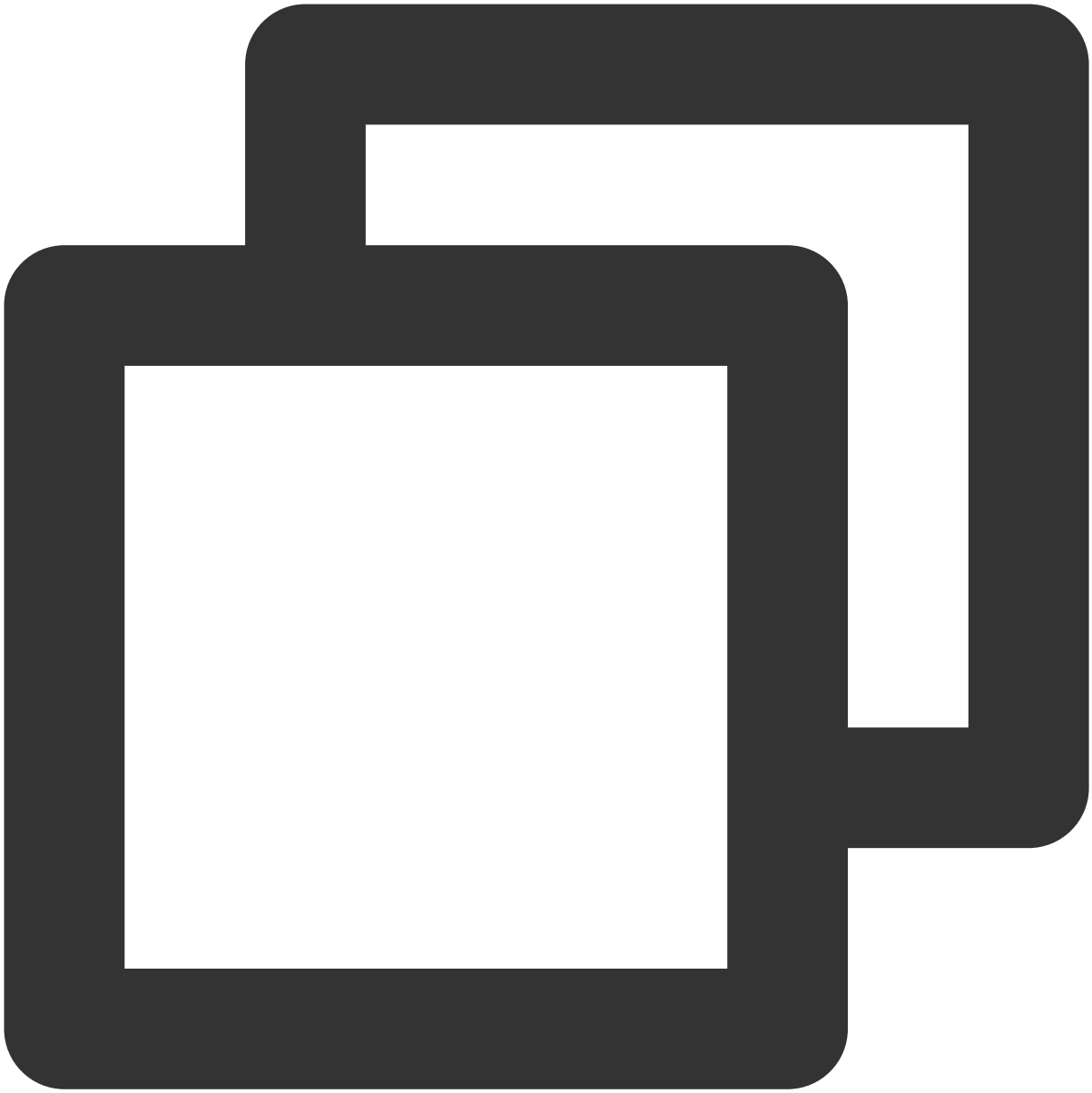
Response headers

This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:

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```
<Response>
    <RequestId><RequestId>
    <JobsDetail>
    ...
    </JobsDetail>
    <NonExistJobIds></NonExistJobIds>
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type

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Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
JobsDetail	Response	Job details	Container
NonExistJobIds	Response	List of non-existing job IDs queried. If all jobs exist, this node will not be returned.	String

The content of `JobsDetail` varies by triggering method. For more information, see the following documents:

Triggering Job (Workflow)

Triggering Job (Independent Node)

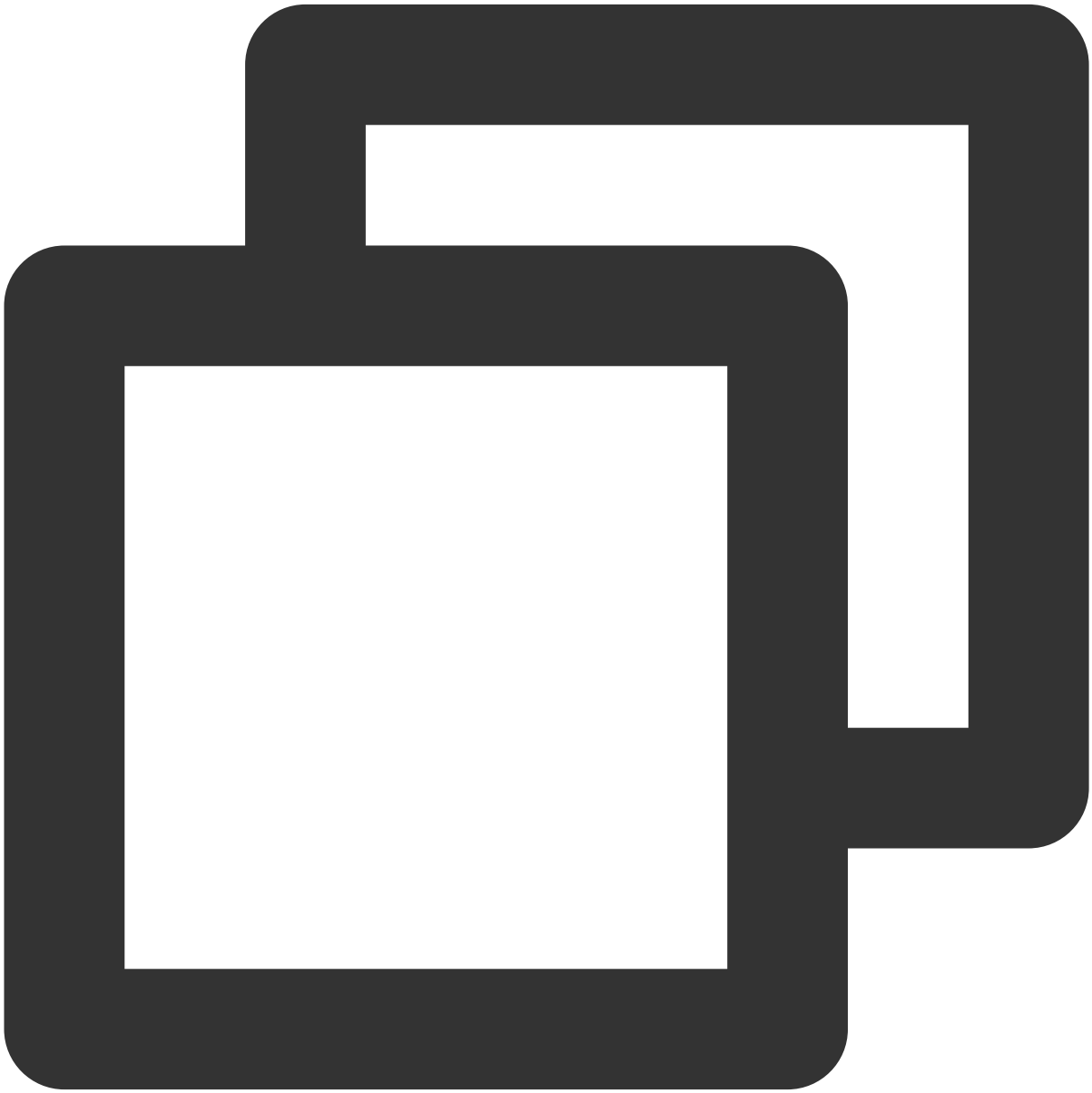
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

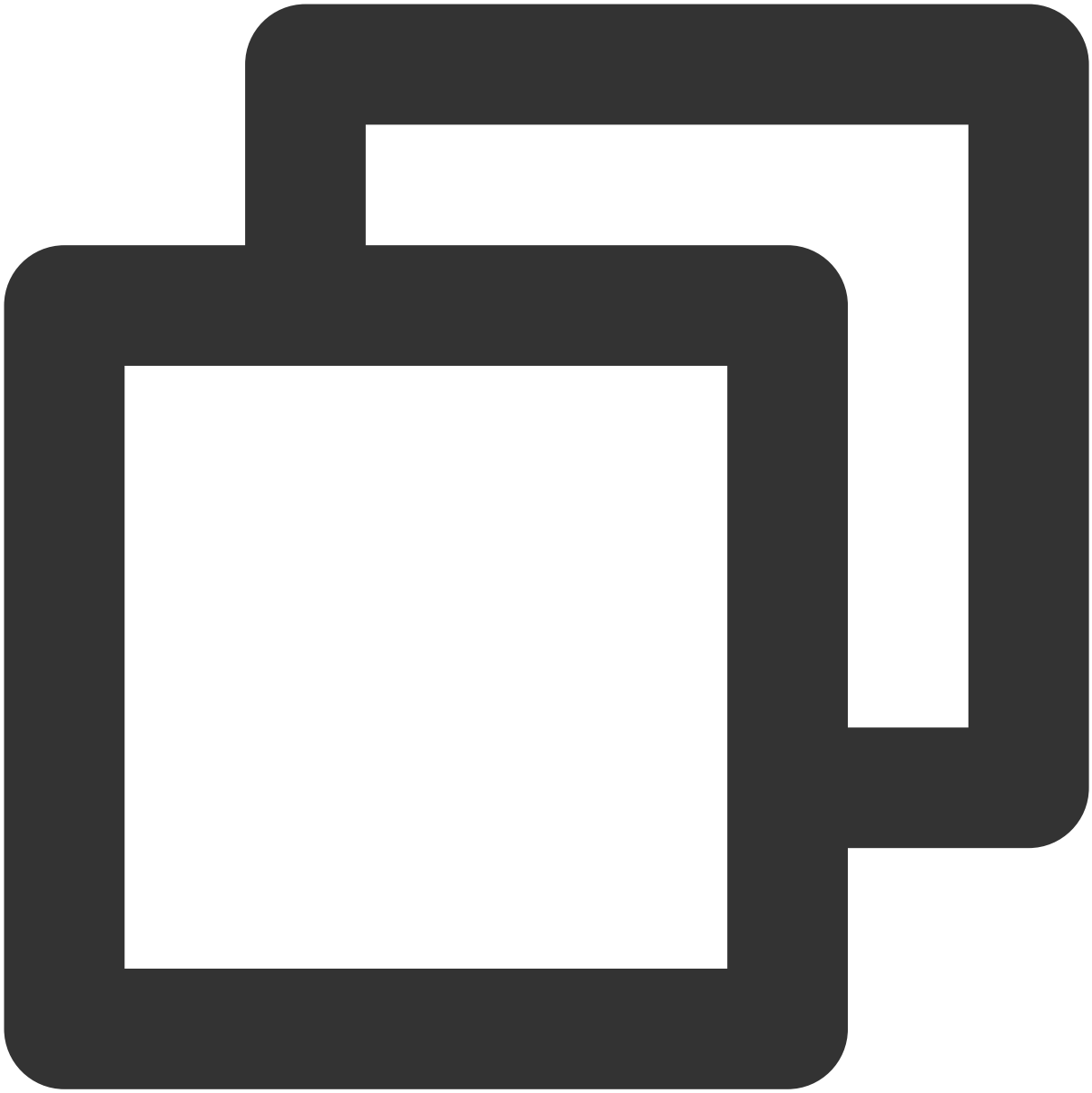
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```
GET /inventorytriggerjob/b3deffea2f84911ec9cb15254008618d9 HTTP/1.1
Accept: */*
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NjJiZDU1ZmZfOTBmYTUwNjRfNzdjY18xYQ==

<Response>
    <RequestId>NjJiZDU1ZmZfOTBmYTUwNjRfNzdjY18xYQ==</RequestId>
    <JobsDetail>
```

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```
        <Code>Success</Code>
        <Type>Workflow</Type>
        <Message/>
        <Name>demo</Name>
        <JobId>b3deffea2f84911ec9cb15254008618d9</JobId>
        <State>Running</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <Input>
            <Prefix>input</Prefix>
        </Input>
        <Operation>
            <TimeInterval>
                <Start>2022-02-01T12:00:00+0800</Start>
                <End>2022-05-01T12:00:00+0800</End>
            </TimeInterval>
            <WorkflowIds>w7476ff3564ee45b7b490d64bccaba6cc</WorkflowIds>
        </Operation>
    </JobsDetail>
</Response>
```

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Pulling Jobs in Batches

Last updated：2024-02-27 15:58:00

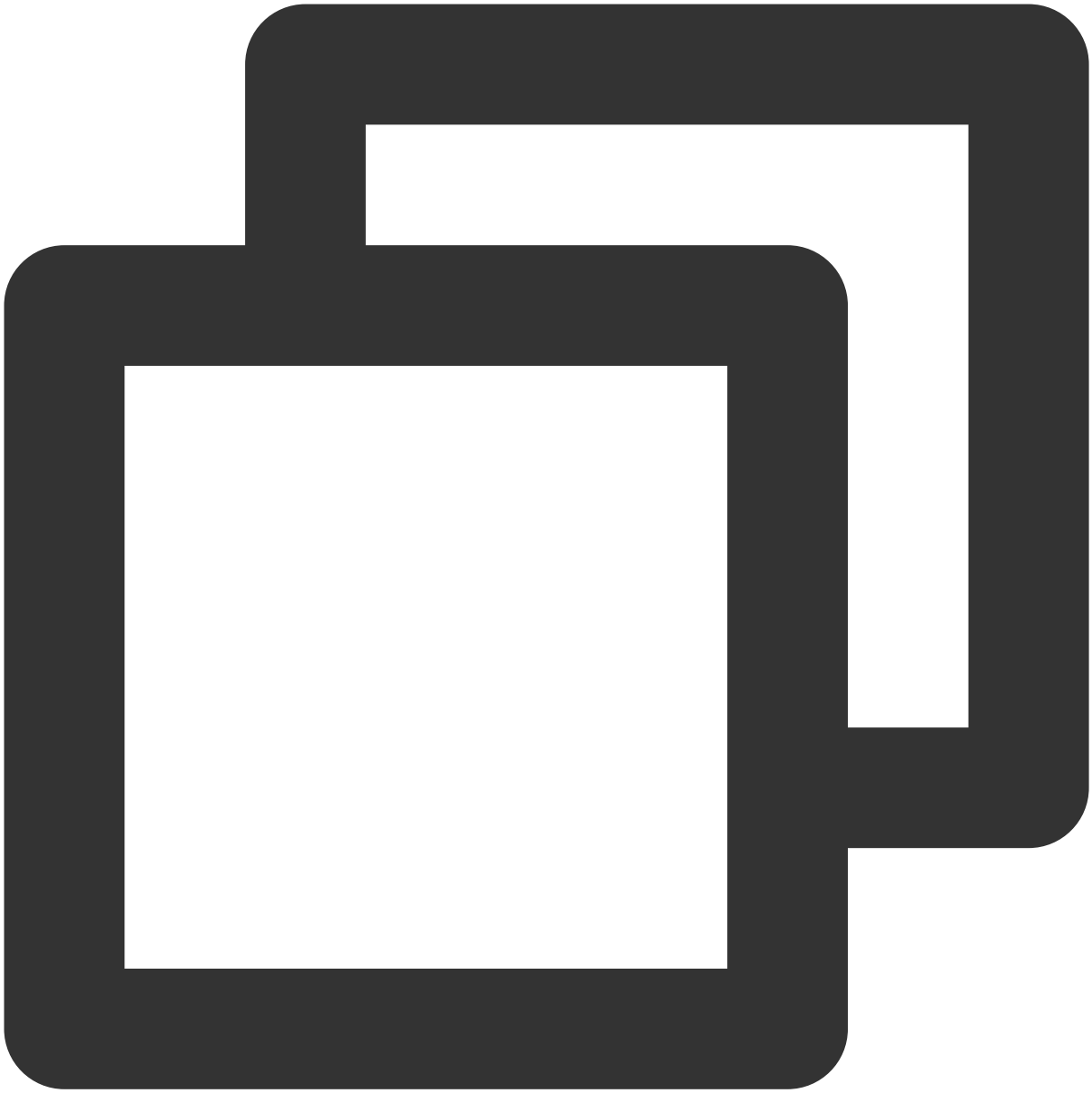
Feature Description

This API is used to get the list of batch data processing jobs.

Request

Sample request

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```
GET /inventorytriggerjob?size=&states=&startCreationTime=&endCreationTime= HTTP/1.1
Host: <BucketName-APPID>.ci.<Region>.myqcloud.com
Date: <GMT Date>
Authorization: <Auth String>
```

Note:

Authorization: Auth String (for more information, see Request Signature).

When this feature is used by a sub-account, relevant permissions must be granted. For more information, see Authorization Granularity Details.

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Request headers

This API only uses common request headers. For more information, see Common Request Headers.

Request body

This request does not have a request body.

Request parameters

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type	Required
nextToken	None	Context token for pagination.	String	No
size	None	Maximum number of jobs that can be pulled. The default value is `10`. The maximum value is `100`.	Integer	No
type	None	Type of the batch jobs to be obtained. Valid values: `Workflow`, `Job`.	String	No
orderByTime	None	`Desc` (default) or `Asc`	String	No
States	None	Status of the jobs to pull. If you enter multiple job statuses, separate them by comma. Valid values: `All` (default), `Submitted`, `Running`, `Success`, `Failed`, `Pause`, `Cancel`.	String	No
startCreationTime	None	Start time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z`.	String	No
endCreationTime	None	End time of the time range for job pulling in the format of `%Y-%m-%dT%H:%m:%S%z`.	String	No
workflowId	None	Workflow ID	String	No
jobId	None	Batch data processing job ID	String	No
name	None	Batch data processing job name	String	No

Response

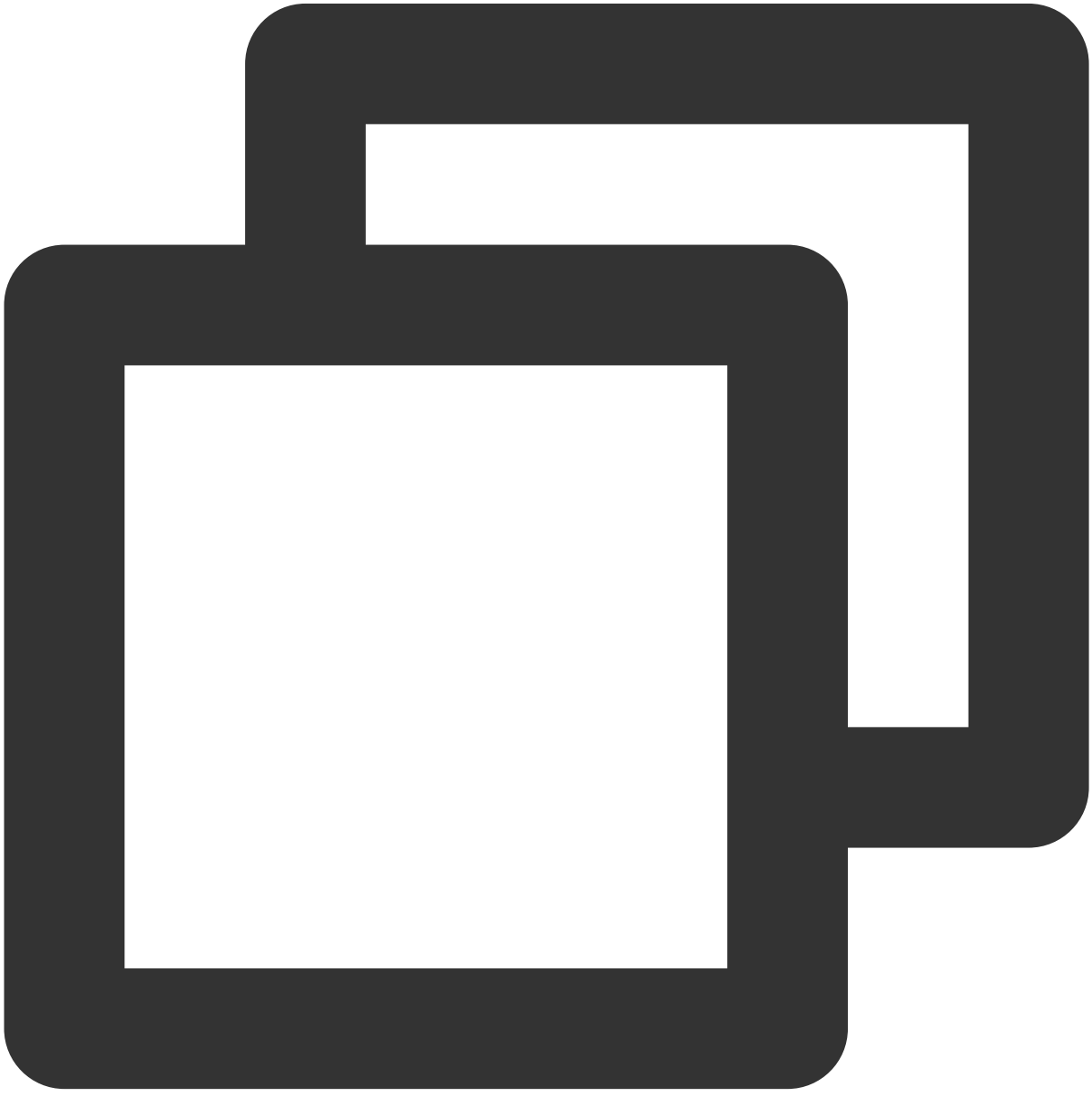
Response headers

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This API only returns common response headers. For more information, see Common Response Headers.

Response body

The response body returns **application/xml** data. The following contains all the nodes:



```
<Response>
    <RequestId></RequestId>
    <JobsDetail>
    ...
    </JobsDetail>
    <NextToken></NextToken>
```

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```
</Response>
```

The nodes are as described below:

Node Name (Keyword)	Parent Node	Description	Type
Response	None	Response container	Container

`Response` has the following sub-nodes:

Node Name (Keyword)	Parent Node	Description	Type
RequestId	Response	Unique ID of the request	String
JobsDetail	Response	Job details	Container array
NextToken	Response	Context token for pagination	String

The content of `JobsDetail` varies by triggering method. For more information, see the following documents:

Triggering Job

Triggering Job (Independent Node)

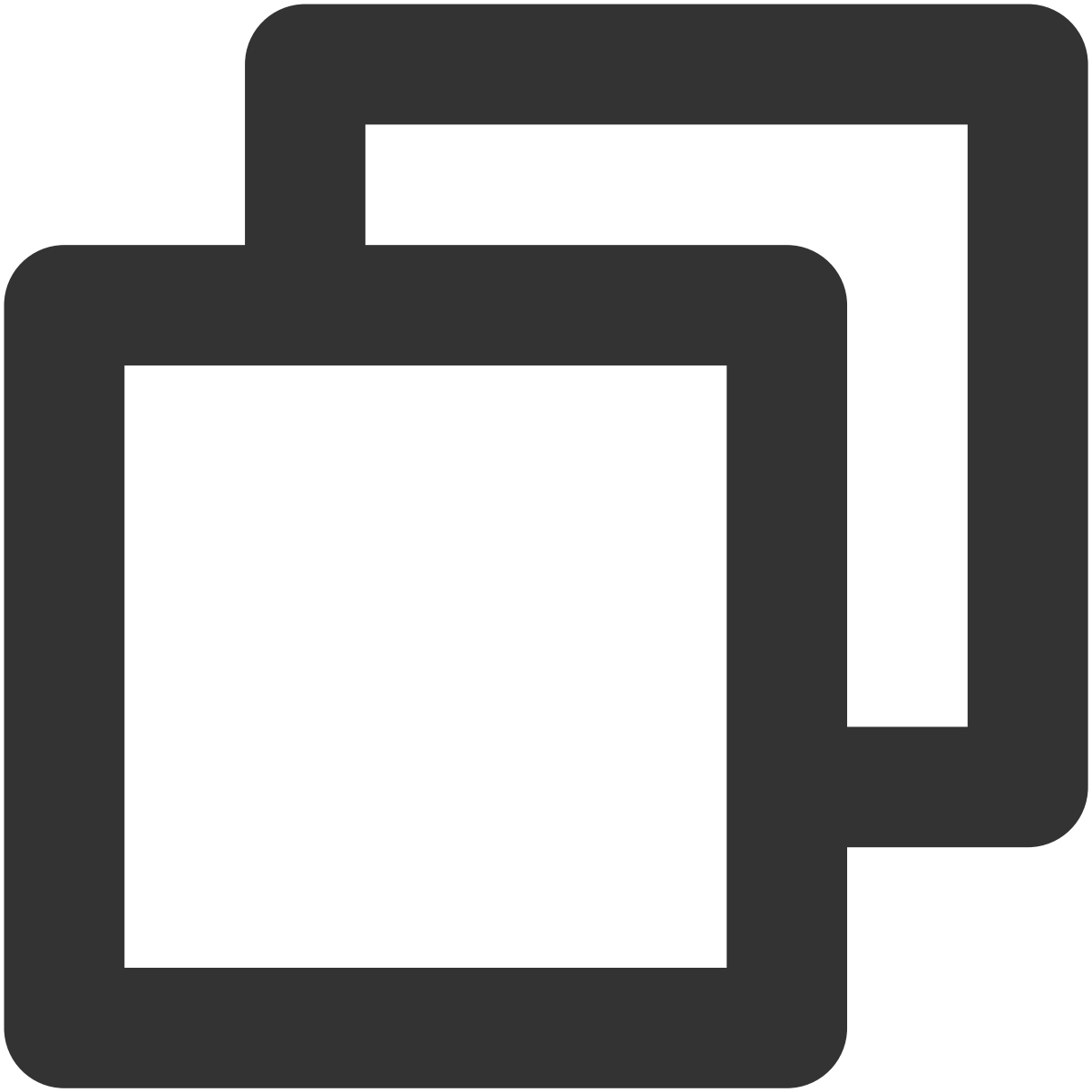
Error codes

There are no special error messages for this request. For common error messages, see Error Codes.

Samples

Request

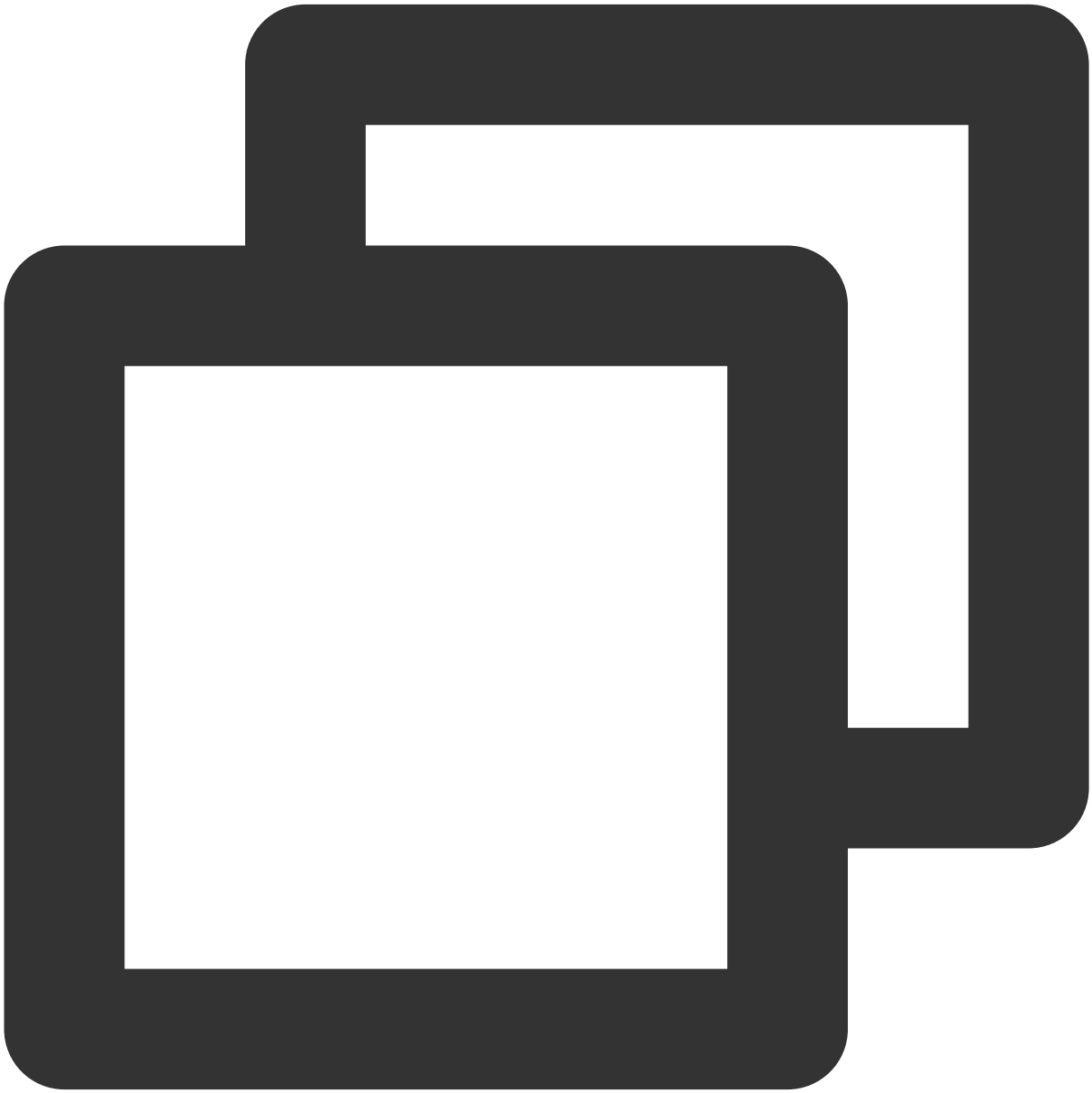
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```
GET /inventorytriggerjob HTTP/1.1
Authorization:q-sign-algorithm=sha1&q-ak=AKIDZfbOAo7cllgPvF9cXFrJD0a1ICvR****&q-sig
Host:bucket-1250000000.ci.ap-beijing.myqcloud.com
```

Response

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```
HTTP/1.1 200 OK
Content-Type: application/xml
Content-Length: 666
Connection: keep-alive
Date: Mon, 28 Jun 2022 15:23:12 GMT
Server: tencent-ci
x-ci-request-id: NTk0MjdmODlfMjQ4OGY3XzYzYzh****=

<Response>
    <RequestId>NjJiZDU1ZmZfOTBmYTUwNjRfNzdjY18xYQ==</RequestId>
    <JobsDetail>
```

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```
        <Code>Success</Code>
        <Type>Workflow</Type>
        <Message/>
        <Name>demo</Name>
        <JobId>b3deffea2f84911ec9cb15254008618d9</JobId>
        <State>Running</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>-</StartTime>
        <EndTime>-</EndTime>
        <Input>
            <Prefix>input</Prefix>
        </Input>
        <Operation>
            <TimeInterval>
                <Start>2022-02-01T12:00:00+0800</Start>
                <End>2022-05-01T12:00:00+0800</End>
            </TimeInterval>
            <WorkflowIds>w7476ff3564ee45b7b490d64bccaba6cc</WorkflowIds>
        </Operation>
    </JobsDetail>
    <JobsDetail>
        <Code>Success</Code>
        <Type>Job</Type>
        <Message/>
        <Name>demo</Name>
        <JobId>be8f65004eb8511eaaed4f377124a303c</JobId>
        <State>Running</State>
        <CreationTime>2022-06-27T15:23:10+0800</CreationTime>
        <StartTime>2022-06-27T15:23:11+0800</StartTime>
        <EndTime>2022-06-27T15:25:10+0800</EndTime>
        <Input>
            <Prefix>input</Prefix>
        </Input>
        <Operation>
            <TimeInterval>
                <Start>2022-02-01T12:00:00+0800</Start>
                <End>2022-05-01T12:00:00+0800</End>
            </TimeInterval>
            <QueueId>p893bcda225bf4945a378da6662e81a89</QueueId>
            <UserData>this is my inventorytriggerjob</UserData>
            <CallBack>https://www.callback.com</CallBack>
            <JobParam>
                <TemplateId>t1460606b9752148c4ab182f55163ba7cd</TemplateId>
            </JobParam>
            <Output>
                <Region>ap-chongqing</Region>
                <Bucket>test-1234567890</Bucket>
```

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```
                <Object>output/${InventoryTriggerJobId}/out.mp4</Object>
            </Output>
            <JobLevel>0</JobLevel>
        </Operation>
    </JobsDetail>
    <NextToken>25</NextToken>
</Response>
```

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Error Codes

Last updated：2024-02-27 15:58:00

Feature Overview

When an image fails to be downloaded, X-ErrNo contained in the header of the response packet refers to the error code field. In this case, you can handle the error according to the following list.

Note:

For other download error codes that are passed through from COS, see COS Error Codes.

Error Codes

Download errors

Error Code	Description	Action
-103	Invalid request. The request packet cannot be recognized.	Check the content of the request.
-104	Invalid APPID. The APPID contained in the URL is invalid, or the domain name is not bound to the APPID.	Check whether the APPID is correct.
-105	Invalid style name. The style name or alias specified in the URL is not set.	Check the style configuration or style name.
-106	Invalid URL. The URL format is invalid.	Check the URL format.
-107	Invalid Host header field	Check whether Host is correct.
-108	Invalid Referer	Check the Referer configuration.
-109	Invalid style name ID. The image corresponding to the style name is not found. This style name may have been added after the image was uploaded, and therefore data corresponding to this style name could not be generated when the image was uploaded.	-
-110	The image is blocked.	-
-113	The file type is not supported.	For the input file types supported by file preview, see Rules and

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		Restrictions.
-120	Data returned by the origin is abnormal during origin-pull, and consequently image data cannot be properly retrieved.	Check the data on the origin.
-124	A download offset error has occurred. The setting of Range (checkpoint restart offset) for the HTTP request may be incorrect.	Check the checkpoint restart offset setting.
-154	Download is prohibited for this URL by the original image protection mechanism.	Use the style to access the image.
-156	Forcible execution of the 302 process	-
-162	Image downloading is not allowed due to overdue payment.	Top up your account promptly.
-163	The business configuration does not exist.	Check relevant configuration items.
-164	The request frequency is too high.	Reduce the request frequency, or submit a ticket to contact us.
-165	Attack download requests are restricted.	-
-166	Invalid message format	-
-167	The image file is too large and cannot be downloaded.	Reduce the size of the file.
-441	Unsupported image format. The image cannot be compressed.	Use a CI supported image format for image processing. Valid formats: JPG, BMP, GIF, PNG, WEBP
-442	The image size exceeds the limit.	Ensure that image dimensions are equal to or less than 9,999 pixels.
-443	Unsupported image format	Use a supported image format. For details, see Specifications and Limits.
-447	Image resolution exceeds the limit or the GIF file contains too many frames.	Limit image dimensions to 9,999 pixels (limit the frame number of GIF files).
-901	Compression times out.	-
-902	Origin-pull times out. Specifically, when the image storage feature forwards a request to the developer's origin, the timer expires before a response is received.	Check the origin data or origin-pull configuration.

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-3006	The file is encrypted and cannot be parsed.	-
-3008	The file is empty and cannot be parsed.	-
-3011	The file type is not supported.	For the input file types supported by file preview, see Specifications and Limits.
-3015	The requested page number does not exist.	-
-3075	This file exceeds 100 MB and cannot be parsed.	Ensure that the file size is equal to or less than 100 MB.
-5062	The image may be illegal.	Check whether the content of the image is illegal.
-6101	The image does not exist, is not uploaded, or has been deleted.	Check the raw data of the request.
-29033	The download request does not contain a valid range.	-
-29034	The download offset is greater than the file size.	-
-29214	Frequency control is triggered.	Reduce the request frequency, or submit a ticket to contact us.
-40168	The original image is null.	Check the raw data of the request.
-46152	Invalid bucket name	Check whether the bucket name is valid.
-46154	Invalid APPID	Check whether the APPID is valid.
-46614	Downloading is not allowed for a file that is being uploaded.	Send the download request after the file upload is completed.
-46617	A blocked entry is hit.	Check whether the content of the image is illegal.
-46618	Signature authentication fails.	Check whether the signature is correct.
-46619	The signature is expired.	Update the signature.
-46620	The bucket is blocked.	Your bucket is blocked. Submit a ticket for further assistance.
-46621	The file is blocked.	Your resource is blocked. Submit a ticket for further assistance.

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-46627	The user is currently on the blocklist.	Your account is blocked. Submit a ticket for further assistance.
-46628	The file does not exist.	Check whether the file to be downloaded exists.
-46642	The APPID does not exist.	Check whether the APPID is correct.
-46646	The file is blocked.	The file is blocked. Check whether the content of the file is illegal.
-46661	No access permission	Contact the resource owner for permission.

Persistence processing errors

Error Code	Description	Action
-60998	An image processing parameter is invalid.	Check whether image processing rules are correct.
-60997	The number of image processing rules exceeds the limit.	Persistence processing currently supports a maximum of five rules. Therefore, ensure that at most five rules are configured.
-60996	The file is too large to process.	Ensure that the file size is less than or equal to 32 MB.
-60987	Failed to retrieve the image	Check the URL of the image.
-60983	Invalid host	Check the host.
-60972	Invalid region	Check if the region in the request supports CI. For more information on regions that support CI, see Regions and Domain Names.
-60967	The image style does not exist.	Check the image style.
-60957	The number of used styles exceeds the limit.	Currently, a maximum of 100 styles are supported. If you need more styles, submit a ticket to contact us.
-60955	Invalid URL	Check whether the URL is correct.
-60950	No file is specified.	Specify the file to be processed in the request.
-60949	The request frequency is too high.	Reduce the request frequency. To increase the frequency limit, submit a ticket.

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-60948	The account is suspected of violation.	Your APPID is blocked. Submit a ticket for further assistance.
-60938	Incomplete signing information	Check the required items in the signing information.
-60936	The request is rejected.	Access denied
-60932	Signature error	The signature is invalid. Check whether the signing information matches.
-62999	Invalid image format	Check whether the image format is valid.

File preview errors

Error Code	Description	Action
-3006	The file is encrypted.	Use a decrypted file.
-3008	The file length is 0.	Check whether the file is normal.
-3011	The file type is not supported.	Check whether the file type is supported. For the supported file types, see Specifications and Limits.
-3015	The number of requested page is greater than the total number of document pages.	Check whether the number of the requested page is correct.

Content moderation errors

Error Code	Description	Action
-61011	The file does not exist.	Check whether the file exists.
-65007	File content error. Decoding failed.	Check whether the file format is correct.
-65010	Failed to download the file	Check whether the file link is correct. For a file with private read permission, the file link must be signed.
-65011	The file is too large to process.	Currently, an excessively large file cannot be moderated.
-65012	The image resolution is too low to process.	Currently, images with excessively low resolution are not supported.
-65013	The file is not processed because it does not meet	Check whether the file meets requirements.

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	requirements (e.g., unsupported file suffix or excessively large size).	
-65014	No CI role (CI_QCSRole)	Bind a CI role.
-65015	No moderation scenario is used.	Use at least one moderation scenario for moderation.
-65016	BizType used does not exist.	Enter a correct BizType.
Other	Internal error	-

Media processing errors

Error Code	Error Message	Description
1007	InternalError	Internal error
1010	InvalidUrl	Invalid URL
1011	InvalidContent	Invalid request body
1012	MissingAuthorization	Missing signature
1013	InvalidAuthorization	Invalid signature
1014	SignatureExpired	Signature expired
1015	InvalidArgument	Invalid argument
1016	MissingContent	Missing request body
1017	InvalidHost	Invalid host
1018	AccessDenied	Access denied
1019	SecretidNotExist	The key does not exist
1020	SlowDown	Frequency control
1021	InvalidContentType	Invalid request body type
1100	BucketAlreadyBinded	The bucket is already bound
1103	ResourceNotFound	Resource not found
1106	QueueNotFound	Queue not found
1107	TemplateNotFound	Template not found

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1109	BindedBucketNumLimit	The number of bound buckets exceeds the upper limit
1110	CreatedTemplateNumLimit	The number of created templates exceeds the upper limit
1111	MediaBucketUnBinded	The bucket is not bound
1112	TemplateNameDuplicate	Duplicate template name
1114	ActiveWorkflowForbiddenUpdate	The workflow that has been enabled cannot be updated
1120	WorkFlowNumLimit	The number of created workflows exceeds the upper limit
1124	WriteTargetBucketDenied	Writing to the bucket is forbidden
1145	QueueNumLimit	The number of created queues exceeds the upper limit

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Appendix
Structure

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MediaWorkflow_Topology_Nodes_Start_Input

Node Name (Keyword)	Description	Type	Required	Constraints
ObjectPrefix	Object prefix	String	Yes	None
QueueId	Queue ID	String	Yes	None
PicProcessQueueId	Image processing queue ID	String	Yes if there is an image processing node	None
SpeechRecognitionQueueId	Speech recognition queue ID	String	Yes if there is a speech recognition node	None
AIProcessQueueId	AI processing queue ID	String	Yes if there is an AI-based recognition node	None
NotifyConfig	Callback information. If none is specified, the queue callback information is used.	Container	No	None
ExtFilter	Filename extension filter.	Container	No	None

`NotifyConfig` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Default Value	Constraints
Url	Callback address	String	Yes	None	The callback address cannot be a private network

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					address.
Type	Callback type	String	Yes	None	Url: URL callback TDMQ: TDMQ message callback
Event	Callback information	String	Yes	None	TaskFinish: Job completed WorkflowFinish: Workflow completed You can configure multiple events separated by comma.
ResultFormat	Callback format	String	No	XML	XML JSON
MqRegion	TDMQ region	String	No	None	Yes if the callback type is TDMQ. For supported regions, see Request Domain Description.
MqMode	TDMQ mode	String	No	None	Yes if the callback type is TDMQ. Topic: Topic subscription Queue: Queue service
MqName	TDMQ topic name	String	No	None	Yes if the callback type is TDMQ.

`ExtFilter` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Default Value	Constraints
State	Switch.	String	No	Off	On/Off
Video	Require a video extension.	String	No	false	false/true
Audio	Require an audio extension.	String	No	false	false/true
Image	Require an image extension.	String	No	false	false/true

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ContentType	Require a content type.	String	No	false	false/true
Custom	Require a custom extension.	String	No	false	false/true
CustomExts	Custom extension.	String	No	None	Separate filename extensions by slash (/). Up to ten extensions are supported. If `Custom` is `true`, this parameter is required.
AllFile	All files	String	No	false	false/true

MediaWorkflow_Topology_Nodes_***_Operation_Output

Node Name (Keyword)	Description	Type	Required	Constraints
Region	Bucket region	String	Yes	None
Bucket	Bucket name	String	Yes	None
Object	Result filename	String	Yes	If the workflow node type is `Snapshot` or `SmartCover`, and there are more than one result file, `${Number} $` must be included. If the workflow node type is `Segment`, `Duration` is specified, and `Format` is not `HLS` or `m3u8`, `${Number}` must be included.
SpriteObject	Image sprite name	String	No	If the workflow node type is `Snapshot` and the image sprite feature is enabled, this field is required.
AuObject	Voice result filename	String	No	If the workflow node type is `VoiceSeparate` and there is a voice output, this field is required.

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MediaWorkflow_Topology_Nodes_Snapshot_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Screenshot template ID	String	Yes	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_Animation_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Video-to-animated image conversion template ID	String	Yes	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_SmartCover_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Intelligent thumbnail template ID	String	No	None
SmartCover	Intelligent thumbnail parameter	Container. For more information, see SmartCover.	No	None
Output	Output address	Container. For more information, see Output.	Yes	None

Note:

Both `TemplateId` and `SmartCover` can be left empty, in which case three thumbnails will be generated according to the original video size by default. If both of them are specified, `TemplateId` will take effect.

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MediaWorkflow_Topology_Nodes_Transcode_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Audio/Video transcoding template ID	String	No	None
WatermarkTemplateId	Watermark template ID	String array	No	Up to three watermark template IDs are supported.
RemoveWatermark	Watermark removal parameter	Container. For more information, see RemoveWatermark.	No	None
DigitalWatermark	Digital watermark parameter	Container. For more information, see DigitalWatermark.	No	None
Output	Output address	Container. For more information, see Output.	Yes	None
Input	Input configuration	Container	No	None

`MediaWorkflow_Topology_Nodes_Transcode_\\*\\*\\*_Operation.Input` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Constraints
SpeedTranscodingQueueId	Accelerated transcoding queue	String	No	None

MediaWorkflow_Topology_Nodes_Concat_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Splicing template ID	String	Yes	None

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Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_VoiceSeparate_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Voice/Sound separation template ID	String	Yes	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_VideoMontage_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Video montage template ID	String	Yes	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_SDRtoHDR_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
SDRtoHDR	SDR-to-HDR configuration	Container	Yes	None
TranscodeTemplateId	Audio/Video transcoding template ID	String	Yes	None
WatermarkTemplateId	Watermark	String array	No	Up to three watermark

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	template ID			template IDs are supported.
Output	Output address	Container. For more information, see Output.	Yes	None

`SDRtoHDR` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Constraints
HdrMode	HDR mode	String	Yes	HLG HDR10

MediaWorkflow_Topology_Nodes_VideoProcess_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Video enhancement template ID	String	Yes	None
TranscodeTemplateId	Audio/Video transcoding template ID	String	Yes	None
WatermarkTemplateId	Watermark template ID	String array	No	Up to three watermark template IDs are supported.
DigitalWatermark	Digital watermark parameter	Container. For more information, see DigitalWatermark.	No	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_SCF_***_Operation

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Node Name (Keyword)	Description	Type	Required	Constraints
SCF	SCF function information	Container	Yes	None

`SCF` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Constraints
Region	Function region	String	Yes	None
FunctionName	Function name	String	Yes	None
Namespace	Namespace	String	No	None
Alias	Function alias	String	No	None

MediaWorkflow_Topology_Nodes_SuperResolution_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Super resolution template ID	String	Yes	None
TranscodeTemplateId	Audio/Video transcoding template ID	String	Yes	None
WatermarkTemplateId	Watermark template ID	String array	No	Up to three watermark template IDs are supported.
DigitalWatermark	Digital watermark parameter	Container. For more information, see DigitalWatermark.	No	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_Segment_***_Operation

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Node Name (Keyword)	Description	Type	Required	Constraints
Segment	Audio/Video remuxing parameter	Container	Yes	None
Output	Output address	Container. For more information, see Output.	Yes	None

`Segment` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Constraints
Format	Container format	String	Yes	aac, mp3, flac, mp4, ts, mkv, avi, hls, m3u8
Duration	Remuxing duration in seconds	String	No	The value must be an integer equal to or greater than 5.
HlsEncrypt	HLS encryption configuration	Container	No	This parameter takes effect only when the container format is `hls`. For more information, see HlsEncrypt.

MediaWorkflow_Topology_Nodes_PicProcess_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Image processing template ID	String	Yes	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_Tts_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints

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TemplateId	Text-to-speech template ID	String	Yes	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_SpeechRecognition_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
Output	Output address	Container. For more information, see Output.	Yes	None
StreamPackConfig	Packaging configuration	Container	Yes	None

MediaWorkflow_Topology_Nodes_StreamPackConfig_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
StreamPackConfig	Packaging configuration	Container	No	None

`StreamPackConfig` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Constraints
PackType	Packaging type. Default value: `HLS` .	String	No	HLS/DASH
IgnoreFailedStream	Whether to ignore the substream failed to be transcoded and continue packaging. Default value: `true` .	String	No	true/false

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MediaWorkflow_Topology_Nodes_VideoStream_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
TemplateId	Audio/Video transcoding template ID	String	No	None
WatermarkTemplateId	Watermark template ID	String array	No	Up to three watermark template IDs are supported.
RemoveWatermark	Watermark removal parameter	Container. For more information, see RemoveWatermark.	No	None
Output	Output address	Container. For more information, see Output.	Yes	None

MediaWorkflow_Topology_Nodes_StreamPack_***_Operation

Node Name (Keyword)	Description	Type	Required	Constraints
StreamPackInfo	Packaging rule	Container	No	None

`StreamPackInfo` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Constraints
VideoStreamConfig	Video substream configuration	Container	No	None

`VideoStreamConfig` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Constraints
VideoStreamName	Video substream name	String	Yes	It must be consistent with the existing video node.

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BandWidth	Video substream bandwidth limit. Unit: b/s. Value range: [0, 2000000000], where 0 indicates no limit.	String	No	The value must be equal to or greater than 0. The default value is `0`.

AudioMix

Node Name (Keyword)	Description	Type	Required	Default Value	Constraints
AudioSource	Address of the audio track file to be mixed	String	Yes	None	It must be stored in the same bucket as the input media file.
MixMode	Audio mix mode	String	No	Repeat	Repeat: Repeats the background sound Once: Plays back the background sound once
Replace	Whether to replace the original audio of the input media file with the mixed audio track	String	No	false	true/false
EffectConfig	Audio mix transition configuration	Container	No	false	None

`EffectConfig` has the following sub-nodes:

Node Name (Keyword)	Description	Type	Required	Default Value	Constraints
EnableStartFadein	Enables fade-in	String	No	false	true/false
StartFadeinTime	Fade-in duration	String	No	None	A floating point number above 0
EnableEndFadeout	Enables fade-out	String	No	false	true/false
EndFadeoutTime	Fade-out	String	No	None	A floating point number

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	duration				above 0
EnableBgmFade	Enables fade-in for background music transition	String	No	false	true/false
BgmFadeTime	Fade-in duration for background music transition	String	No	None	A floating point number above 0

CallBackMqConfig

Node Name (Keyword)	Description	Type	Required
MqRegion	Message queue region. Valid values: `sh` (Shanghai), `bj` (Beijing), `gz` (Guangzhou), `cd` (Chengdu), `hk` (Hong Kong, China).	String	Yes
MqMode	Message queue mode. Default value: `Queue` . `Topic` : Topic subscription `Queue` : Queue service	String	Yes
MqName	TDMQ topic name	String	Yes

DigitalWatermark

Node Name (Keyword)	Description	Type	Required	Constraints
Message	The watermark information embedded by the digital watermark	String	Yes	It can contain up to 64 letters, digits, underscores (_), hyphens (-), and asterisks (*).
Type	Digital watermark type	String	Yes	It currently can be set to `Text` only.
Version	Digital watermark version	String	Yes	It currently can be set to `V1` only.

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IgnoreError	Whether to ignore the watermarking failure and continue the job.	String	Yes	Valid values: `true`, `false`.
State	Whether the watermark is added successfully. Valid values: `Running`, `Success`, `Failed`.	string	No	This field cannot be set actively; instead, it will be returned after the job is submitted successfully.

DashEncrypt

Node Name (Keyword)	Description	Type	Required	Default Value	Constraints
IsEncrypt	Whether to enable DASH encryption	String	No	false	true/false
UriKey	DASH encryption key	String	No	None	This parameter will take effect only when `IsEncrypt` is `true`.

HlsEncrypt

Node Name (Keyword)	Description	Type	Required	Default Value	Constraints
IsEncrypt	Whether to enable HLS encryption	String	No	false	true/false
UriKey	HLS encryption key	String	No	None	This parameter will take effect only when `IsEncrypt` is `true`.

RemoveWatermark

Node Name (Keyword)	Description	Type	Required	Constraints

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Dx	X-axis offset of the top-left corner origin	String	Yes	Value range: [0, 4096] Unit: px
Dy	Y-axis offset of the top-left corner origin	String	Yes	Value range: [0, 4096] Unit: px
Width	Watermark width	String	Yes	Value range: (0, 4096] Unit: px
Height	Watermark height	String	Yes	Value range: (0, 4096] Unit: px

SmartCover

Node Name (Keyword)	Description	Type	Required	Default Value	Constraints
Format	Image format	String	No	jpg	jpg, png, webp
Width	Width	String	No	Original video width	Value range: [128, 4096] Unit: px If only Width is set, Height is calculated based on the original video aspect ratio.
Height	Height	String	No	Original video height	Value range: [128, 4096] Unit: px If only Height is set, Width is calculated based on the original video aspect ratio.
Count	Number of screenshots	String	No	3	[1,10]
DeleteDuplicates	Whether to deduplicate thumbnails.	String	No	false	true/false

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