

容器镜像服务

API 文档

产品文档



腾讯云

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History

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Release 12

Release time: 2024-03-04 10:19:31

Release updates:

Improvement to existing documentation.

New APIs:

- [DuplicateImage](#)
- [ModifyServiceAccountPassword](#)

Deleted APIs:

- CreateCustomAccount
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Deleted data structures:

- CustomAccount

Modified data structures:

- [Registry](#)
 - New members:DeletionProtection

Release 11

Release time: 2023-09-05 10:06:26

Release updates:

Improvement to existing documentation.

New APIs:

- CreateCustomAccount
- [CreateServiceAccount](#)
- DeleteCustomAccount
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 - New input parameters: DeletionProtection
- [DeleteSecurityPolicy](#)
 - New input parameters: CidrBlock
 - **Modified input parameters:** PolicyIndex, PolicyVersion
- [ModifyInstance](#)
 - New input parameters: DeletionProtection
 - **Modified input parameters:** RegistryType

New data structures:

- CustomAccount
- [Permission](#)
- [ServiceAccount](#)

Release 10

Release time: 2023-03-27 16:37:50

Release updates:

Improvement to existing documentation.

Deleted APIs:

- DescribeInstanceAll

Modified APIs:

- [CreateInstance](#)
 - New input parameters:EnableCosMAZ

Release 9

Release time: 2023-02-03 16:38:05

Release updates:

Improvement to existing documentation.

Deleted APIs:

- CreateSecurityPolicies

Modified APIs:

- [CreateInstance](#)
 - New input parameters:RegistryChargePrepaid

Release 8

Release time: 2022-12-02 16:31:15

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeImages](#)
 - New input parameters:ExactMatch
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 - New input parameters:Limit, Offset

Release 7

Release time: 2022-10-11 10:37:08

Release updates:

Improvement to existing documentation.

New APIs:

- [CheckInstanceName](#)
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Release 6

Release time: 2022-07-06 14:49:55

Release updates:

Improvement to existing documentation.

Modified APIs:

- [CreateReplicationInstance](#)
 - New input parameters: SyncTag

Release 5

Release time: 2022-02-09 15:16:49

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateInstanceToken](#)

Release 4

Release time: 2021-10-14 16:41:09

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateReplicationInstance](#)
- [DescribeReplicationInstanceCreateTasks](#)
- [DescribeReplicationInstanceSyncStatus](#)
- [DescribeReplicationInstances](#)
- [ManageReplication](#)

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- [ReplicationFilter](#)
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Release 3

Release time: 2021-10-08 15:22:21

Release updates:

Improvement to existing documentation.

New APIs:

- [ModifyInstance](#)

Release 2

Release time: 2021-07-29 16:30:49

Release updates:

Improvement to existing documentation.

New APIs:

- [CheckInstance](#)
- [CreateImmutableTagRules](#)
- [DeleteImmutableTagRules](#)
- [DescribeImmutableTagRules](#)
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New data structures:

- [ImmutableTagRule](#)

Release 1

Release time: 2021-07-12 11:51:35

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateMultipleSecurityPolicy](#)
- [DeleteMultipleSecurityPolicy](#)

New data structures:

- [SecurityPolicy](#)

Introduction

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Overview

Tencent Container Registry (TCR) is a container image cloud hosting service.

Security management: Support storage and distribution of Docker images and Helm charts, image security scan, and fine-grained access permission management and network access control (for TCR Enterprise).

Global support: Sync images across worldwide regions, to boost using Continuous Integration/Continuous Delivery (CI/CD) workflows.

Fast deployment: TCR allows large-scale container clusters that contain over 1000 nodes to concurrently pull images of several gigabytes to ensure fast deployment of the container service.

With TCR, you can enjoy secure and convenient image hosting and distribution services in the cloud, without the need to build or maintain the image hosting service. In addition, you can use TCR together with [Tencent Kubernetes Engine](#) to smoothly deploy containers in the cloud.

API Category

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Image Repository APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateRepository	Creates an image repository	20
CreateSignature	Creates an image signature	20
DeleteImage	Deletes the specified image	20
DeleteRepository	Deletes an image repository	20
DeleteRepositoryTags	Batch deletes repository tags	20
DescribeGCJobs	Queries the GC history	20
DescribeImages	Queries the information of a container image	100
DescribeRepositories	Queries the image repository information	100
ModifyRepository	Updates the image repository information	20
DescribeImageManifests	Queries the manifest information of a container image	10
DuplicateImage	Duplicates Enterprise Edition repository image versions	20

Instance Management APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CheckInstance	Verifies instance information	20
CheckInstanceName	Checks whether the name of the instance	20

	to be created meets the specifications	
CreateImageAccelerationService	Creates an image acceleration service	20
CreateInstanceCustomizedDomain	Creates a custom domain name	1
CreateInstanceToken	Creates the instance access credential	100
DeleteImageAccelerateService	Deletes an image acceleration service	20
DeleteInstance	Deletes an instance	20
DeleteInstanceCustomizedDomain	Deletes a custom domain name	1
DeleteInstanceToken	Deletes a long-term access credential	20
DescribeImageAccelerateService	Queries the status of an image acceleration service.	20
DescribeInstanceCustomizedDomain	Queries the list of custom domain names of an instance	20
DescribeInstanceStatus	Queries the instance status	20
DescribeInstanceToken	Queries the information of long-term access credentials	20
DescribeInstances	Queries the instance information	100
DescribeRegions	Lists the regions where TCR is available	20
ModifyInstance	Updates instance information	20
ModifyInstanceToken	Updates a long-term access credential in an instance	20
RenewInstance	Renews an instance	20
CreateInstance	Creates an instance	20

Namespace APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateImmutableTagRules	Creates tag immutability rule	20

CreateNamespace	Creates a namespace	20
CreateSignaturePolicy	Creates a signature policy	20
DeleteImmutableTagRules	Deletes tag immutability rule	20
DeleteNamespace	Deletes a namespace	20
DeleteSignaturePolicy	Deletes a namespace signing policy	20
DescribeImmutableTagRules	Lists tag immutability rule	20
DescribeInstanceAllNamespaces	Queries all instance namespaces	20
ModifyImmutableTagRules	Updates tag immutability rule	20
ModifyNamespace	Updates the namespace information	20
DescribeNamespaces	Queries the namespace information	100

Access Control APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateMultipleSecurityPolicy	Creates multiple public network access allowlist policies of the instance	20
CreateSecurityPolicy	Creates a public network access allowlist policy for an instance	20
DeleteMultipleSecurityPolicy	Deletes multiple public network access allowlist policies of the instance	20
DescribeExternalEndpointStatus	Queries the public network access entry status of an instance	20
DescribeInternalEndpoints	Queries the VPC URLs for private network access to an instance	20
DescribeSecurityPolicies	Queries the public network access allowlist policies of an instance	20

ManageExternalEndpoint	Manages the public network access of an instance	20
ManageInternalEndpoint	Manages VPC URLs for private network access to an instance	2
ModifySecurityPolicy	Updates the public network access allowlist of an instance	20
DeleteSecurityPolicy	Deletes a public network access allowlist policy of an instance	20

Instance Synchronization APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateReplicationInstance	Creates a replication instance	1
DeleteReplicationInstance	Deletes a replica instance	1
DescribeReplicationInstanceCreateTasks	Queries the task status of creating a replication instance	20
DescribeReplicationInstanceSyncStatus	Queries the synchronization status of a replication instance	5
DescribeReplicationInstances	Queries the list of replication instances	20
ManageReplication	Manages instance synchronization rule	20

Tag Retention APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateTagRetentionExecution	Executes tag retention manually	2
CreateTagRetentionRule	Creates a tag retention rule	20

DeleteTagRetentionRule	Deletes a tag retention rule	2
DescribeTagRetentionExecution	Queries tag retention execution records	2
DescribeTagRetentionExecutionTask	Queries tag retention execution tasks	2
DescribeTagRetentionRules	Queries tag retention rules	20
ModifyTagRetentionRule	Updates a tag retention rule	2

Trigger APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateWebhookTrigger	Creates a trigger	20
DeleteWebhookTrigger	Deletes a trigger	20
DescribeWebhookTrigger	Queries triggers	20
DescribeWebhookTriggerLog	Gets trigger logs	20
ModifyWebhookTrigger	Updates a trigger	20

Helm Chart APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeChartDownloadInfo	Queries the download information of a chart	20
DownloadHelmChart	Downloads a Helm chart	20

Custom Account APIs

API Name	Feature	Frequency Limit (maximum requests per second)

CreateServiceAccount	Creates a service account	20
DeleteServiceAccount	Deletes a service account	20
ModifyServiceAccount	Updates a service account	20
ModifyServiceAccountPassword	Updates the password for service level account	20
DescribeServiceAccounts	Queries service accounts	20

Making API Requests

Request Structure

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1. Service Address

The API supports access from either a nearby region (at `tcr.tencentcloudapi.com`) or a specified region (at `tcr.ap-guangzhou.tencentcloudapi.com` for Guangzhou, for example).

We recommend using the domain name to access the nearest server. When you call an API, the request is automatically resolved to a server in the region **nearest** to the location where the API is initiated. For example, when you initiate an API request in Guangzhou, this domain name is automatically resolved to a Guangzhou server, the result is the same as that of specifying the region in the domain like "`tcr.ap-guangzhou.tencentcloudapi.com`".

Note: For latency-sensitive businesses, we recommend that you specify the region in the domain name.

Tencent Cloud currently supports the following regions:

Hosted region	Domain name
Local access region (recommended, only for non-financial availability zones)	<code>tcr.tencentcloudapi.com</code>
South China (Guangzhou)	<code>tcr.ap-guangzhou.tencentcloudapi.com</code>
East China (Shanghai)	<code>tcr.ap-shanghai.tencentcloudapi.com</code>
North China (Beijing)	<code>tcr.ap-beijing.tencentcloudapi.com</code>
Southwest China (Chengdu)	<code>tcr.ap-chengdu.tencentcloudapi.com</code>
Southwest China (Chongqing)	<code>tcr.ap-chongqing.tencentcloudapi.com</code>
Hong Kong, Macao, Taiwan (Hong Kong, China)	<code>tcr.ap-hongkong.tencentcloudapi.com</code>
Southeast Asia (Singapore)	<code>tcr.ap-singapore.tencentcloudapi.com</code>
Southeast Asia (Bangkok)	<code>tcr.ap-bangkok.tencentcloudapi.com</code>

South Asia (Mumbai)	tcr.ap-mumbai.tencentcloudapi.com
Northeast Asia (Seoul)	tcr.ap-seoul.tencentcloudapi.com
Northeast Asia (Tokyo)	tcr.ap-tokyo.tencentcloudapi.com
U.S. East Coast (Virginia)	tcr.na-ashburn.tencentcloudapi.com
U.S. West Coast (Silicon Valley)	tcr.na-siliconvalley.tencentcloudapi.com
North America (Toronto)	tcr.na-toronto.tencentcloudapi.com
Europe (Frankfurt)	tcr.eu-frankfurt.tencentcloudapi.com

Note: As financial availability zones and non-financial availability zones are isolated, when accessing the services in a financial availability zone (with the common parameter `Region` specifying a financial availability zone), it is necessary to specify a domain name of the financial availability zone, preferably in the same region as specified in `Region` .

Access region for financial availability zone	Domain name for financial availability zone
East China (Shanghai Finance)	tcr.ap-shanghai-fsi.tencentcloudapi.com
South China (Shenzhen Finance)	tcr.ap-shenzhen-fsi.tencentcloudapi.com

2. Communications Protocol

All the Tencent Cloud APIs communicate via HTTPS, providing highly secure communication tunnels.

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

- application/json (recommended). The TC3-HMAC-SHA256 signature algorithm must be used.
- application/x-www-form-urlencoded. The HmacSHA1 or HmacSHA256 signature algorithm must be used.

-
- multipart/form-data (only supported by certain APIs). You must use TC3-HMAC-SHA256 to calculate the signature.

The size of a GET request packet is up to 32 KB. The size of a POST request is up to 1 MB when the HmacSHA1 or HmacSHA256 signature algorithm is used, and up to 10 MB when TC3-HMAC-SHA256 is used.

4. Character Encoding

Only UTF-8 encoding is used.

Common Params

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Common parameters are used for all APIs authenticating requestors. Common parameters must be included in all API requests, and they will not be described in individual API documents.

The exact contents of the common parameters will vary depending on the version of the signature method you use.

Common parameters for Signature Algorithm v3

When the TC3-HMAC-SHA256 algorithm is used, the common parameters should be uniformly placed in the HTTP request header, as shown below:

Parameter Name	Type	Required	Description
X-TC-Action	String	Yes	The name of the API for the desired operation. For the specific value, see description of common parameter <code>Action</code> in the input parameters in r documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
X-TC-Region	String	Yes	Region parameter, which is used to identify the region to which the data y work with belongs. For values supported for an API, see the description c parameter <code>Region</code> in the input parameters in related API documentati parameter is not required for some APIs (which will be indicated in relatec documentation), and will not take effect even it is passed.
X-TC-Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request for example, 1529223702. Note: If the difference between the UNIX times server time is greater than 5 minutes, a signature expiration error may oc
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the c parameter <code>Version</code> in the API documentation. For example, the versi 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_requ SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKIDEXAMPLE is the SecretId; Date is UTC time, and this value must match the value of X-TC-Timestamp (a co

			parameter) in UTC time format; service is the name of the product/service generally a domain name prefix. For example, a domain name cvm.tencent refers to the CVM product and the value would be cvm; - SignedHeaders: The headers that contains the authentication information type and host are the required headers; - Signature: Signature digest.
X-TC-Token	String	No	The token used for a temporary certificate. It must be used with a temporary key. You can obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

Assuming you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, the request structure in the form of request URL, request header and request body may be as follows:

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Limit=10&Offset=0

Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE/2018-10-09/cvm/tc3_request, SignedHeaders=content-type;host, Signature=5da7a33f6993f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474
Content-Type: application/x-www-form-urlencoded
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1539084154
X-TC-Region: ap-guangzhou
```

The following example shows you how to structure an HTTP POST (application/json) request:

```
https://cvm.tencentcloudapi.com/

Authorization: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/2018-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
Content-Type: application/json
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1527672334
X-TC-Region: ap-guangzhou

{"Offset":0,"Limit":10}
```

Example of an HTTP POST (multipart/form-data) request structure (only supported by specific APIs):

```
https://cvm.tencentcloudapi.com/
```

```
Authorization: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/2018-05-30/cvm/tc3_request,
SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b1316
2d9279b0855cfba6789a8edb4c
```

```
Content-Type: multipart/form-data; boundary=58731222010402
```

```
Host: cvm.tencentcloudapi.com
```

```
X-TC-Action: DescribeInstances
```

```
X-TC-Version: 2017-03-12
```

```
X-TC-Timestamp: 1527672334
```

```
X-TC-Region: ap-guangzhou
```

```
--58731222010402
```

```
Content-Disposition: form-data; name="Offset"
```

```
0
```

```
--58731222010402
```

```
Content-Disposition: form-data; name="Limit"
```

```
10
```

```
--58731222010402--
```

Common parameters for Signature Algorithm v1

To adopt the HmacSHA1 and HmacSHA256 signature methods, common parameters must be put into the request string, as shown below:

Parameter Name	Type	Required	Description
Action	String	Yes	The name of the API for the desired operation. For the specific value, see the description of common parameter <code>Action</code> in the input parameters in related API documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
Region	String	Yes	Region parameter, which is used to identify the region to which the data you want to work with belongs. For values supported for an API, see the description of common parameter <code>Region</code> in the input parameters in related API documentation. Note: This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even if it is passed.

Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request was initiated, for example, 1529223702. If the difference between the value and the current system time is too large, a signature expiration error may occur.
Nonce	Integer	Yes	A random positive integer used along with <code>Timestamp</code> to prevent replay attacks.
SecretId	String	Yes	The identifying SecretId obtained on the Cloud API Key page. A SecretId corresponds to a unique SecretKey which is used to generate the request signature (Signature).
Signature	String	Yes	Request signature used to verify the validity of this request. This is calculated based on the actual input parameters. For more information about how this is calculated, see the API authentication documentation.
Version	String	Yes	API version of the action. For the valid values, see the description of the common input parameter <code>Version</code> in the API documentation. For example, the version of CVM is 2017-03-12.
SignatureMethod	String	No	Signature method. Currently, only HmacSHA256 and HmacSHA1 are supported. The HmacSHA256 algorithm is used to verify the signature only when this parameter is specified as HmacSHA256. In other cases, the signature is verified with HmacSHA1.
Token	String	No	The token used for a temporary certificate. It must be used with a temporary key. You can obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

Assuming you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, the request structure in the form of request URL, request header and request body may be as follows:

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbec224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

```
Host: cvm.tencentcloudapi.com
Content-Type: application/x-www-form-urlencoded
```

Example of an HTTP POST request structure:

```
https://cvm.tencentcloudapi.com/
```

```
Host: cvm.tencentcloudapi.com
```

```
Content-Type: application/x-www-form-urlencoded
```

```
Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

Region List

The supported Region field values for all APIs in this product are listed as below. For any API that does not support any of the following regions, this field will be described additionally in the relevant API document.

Region	Value
Southeast Asia (Bangkok)	ap-bangkok
North China (Beijing)	ap-beijing
Southwest China (Chengdu)	ap-chengdu
Southwest China (Chongqing)	ap-chongqing
South China (Guangzhou)	ap-guangzhou
Hong Kong/Macao/Taiwan (China) (Hong Kong (China))	ap-hongkong
Southeast Asia (Jakarta)	ap-jakarta
South Asia (Mumbai)	ap-mumbai
East China (Nanjing)	ap-nanjing
Northeast Asia (Seoul)	ap-seoul
East China (Shanghai)	ap-shanghai
East China (Shanghai Finance)	ap-shanghai-fsi
South China (Shenzhen Finance)	ap-shenzhen-fsi
Southeast Asia (Singapore)	ap-singapore
Northeast Asia (Tokyo)	ap-tokyo

Europe (Frankfurt)	eu-frankfurt
East US (Virginia)	na-ashburn
West US (Silicon Valley)	na-siliconvalley
South America (São Paulo)	sa-saopaulo

Signature v3

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TencentCloud API authenticates every single request, i.e., the request must be signed using the security credentials in the designated steps. Each request has to contain the signature information (Signature) in the common request parameters and be sent in the specified way and format.

Applying for Security Credentials

The security credential used in this document is a key, which includes a SecretId and a SecretKey. Each user can have up to two pairs of keys.

- SecretId: Used to identify the API caller, which is just like a username.
- SecretKey: Used to authenticate the API caller, which is just like a password.
- **You must keep your security credentials private and avoid disclosure; otherwise, your assets may be compromised. If they are disclosed, please disable them as soon as possible.**

You can apply for the security credentials through the following steps:

1. Log in to the [Tencent Cloud Console](#).
2. Go to the [TencentCloud API Key](#) console page.
3. On the [TencentCloud API Key](#) page, click **Create** to create a SecretId/SecretKey pair.

Using the Resources for Developers

TencentCloud API comes with SDKs for seven commonly used programming languages, including [Python](#), [Java](#), [PHP](#), [Go](#), [NodeJS](#) and [.NET](#). In addition, it provides [API Explorer](#) which enables online call, signature verification, and SDK code generation. If you have any troubles calculating a signature, consult these resources.

TC3-HMAC-SHA256 Signature Algorithm

Compatible with the previous HmacSHA1 and HmacSHA256 signature algorithms, the TC3-HMAC-SHA256 signature algorithm is more secure and supports larger requests and JSON format with better performance. We recommend using TC3-HMAC-SHA256 to calculate the signature.

TencentCloud API supports both GET and POST requests. For the GET method, only the Content-Type: application/x-www-form-urlencoded protocol format is supported. For the POST method, two protocol formats,

Content-Type: application/json and Content-Type: multipart/form-data, are supported. The JSON format is supported by default for all business APIs, and the multipart format is supported only for specific business APIs. In this case, the API cannot be called in JSON format. See the specific business API documentation for more information. The POST method is recommended, as there is no difference in the results of both the methods, but the GET method only supports request packets up to 32 KB.

The following uses querying the list of CVM instances in the Guangzhou region as an example to describe the steps of signature splicing. We chose this API because:

1. CVM is activated by default, and this API is often used;
2. It is read-only and does not change the status of existing resources;
3. It covers many types of parameters, which allows it to be used to demonstrate how to use arrays containing data structures.

In the example, we try to choose common parameters and API parameters that are prone to mistakes. When you actually call an API, please use parameters based on the actual conditions. The parameters vary by API. Do not copy the parameters and values in this example.

Assuming that your SecretId and SecretKey are `AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****` and `Gu5t9xGARNpq86cd98joQYCN3*****`, respectively, if you want to view the status of the instance in the Guangzhou region whose CVM instance name is "unnamed" and have only one data entry returned, then the request may be:

```
curl -X POST https://cvm.tencentcloudapi.com \
-H "Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****
*/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e4
1437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff" \
-H "Content-Type: application/json; charset=utf-8" \
-H "Host: cvm.tencentcloudapi.com" \
-H "X-TC-Action: DescribeInstances" \
-H "X-TC-Timestamp: 1551113065" \
-H "X-TC-Version: 2017-03-12" \
-H "X-TC-Region: ap-guangzhou" \
-d '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}'
```

The signature calculation process is explained in detail below.

1. Concatenating the CanonicalRequest String

Concatenate the canonical request string (CanonicalRequest) in the following pseudocode format:

```
CanonicalRequest =
HTTPRequestMethod + '\n' +
CanonicalURI + '\n' +
```

```
CanonicalQueryString + '\n' +
CanonicalHeaders + '\n' +
SignedHeaders + '\n' +
HashedRequestPayload
```

Field Name	Explanation
HTTPRequestMethod	HTTP request method (GET or POST). This example uses <code>POST</code> .
CanonicalURI	URI parameter. Slash ("/") is used for API 3.0.
CanonicalQueryString	<p>The query string in the URL of the originating HTTP request. This is always an empty string for POST requests, and is the string after the question mark (?) for GET requests. For example: <code>Limit=10&Offset=0</code>.</p> <p>Note: <code>CanonicalQueryString</code> must be URL-encoded, referencing RFC3986, the UTF8 character set. We recommend using the programming language library. All special characters must be encoded and capitalized.</p>
CanonicalHeaders	<p>Header information for signature calculation, including at least two headers of <code>host</code> and <code>content-type</code>. Custom headers can be added to participate in the signature process to improve the uniqueness and security of the request.</p> <p>Concatenation rules:</p> <ol style="list-style-type: none"> Both the key and value of the header should be converted to lowercase with the leading and trailing spaces removed, so they are concatenated in the format of <code>key:value\n</code> format; If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase). <p>The calculation result in this example is <code>content-type:application/json; charset=utf-8\nhost:cvm.tencentcloudapi.com\n</code>.</p> <p>Note: <code>content-type</code> must match the actually sent content. In some programming languages, a charset value would be added even if it is not specified. In this case, the request sent is different from the one signed, and the server will return an error indicating signature verification failed.</p>
SignedHeaders	<p>Header information for signature calculation, indicating which headers of the request participate in the signature process (they must each individually correspond to the headers in CanonicalHeaders). <code>Content-type</code> and <code>host</code> are required headers.</p> <p>Concatenation rules:</p> <ol style="list-style-type: none"> Both the key and value of the header should be converted to lowercase; If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase) and separated by semicolons (;). <p>The value in this example is <code>content-type;host</code></p>
HashedRequestPayload	Hash value of the request payload (i.e., the body, such as <code>{"Limit": 1, "Filter</code>

```
[{"Values": ["unnamed"], "Name": "instance-name"}]} in this example
```

The pseudocode for calculation is
 Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the payload of the HTTP request, performing hexadecimal encoding, and finally converting the encoded string to lowercase letters. For GET requests, `RequestPayload` is always an empty string. The calculation result in this example is
`99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`

According to the rules above, the `CanonicalRequest` string obtained in the example is as follows:

POST

/

content-type:application/json; charset=utf-8

host:cvm.tencentcloudapi.com

content-type;host

`99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`

2. Concatenating the String to Be Signed

The string to sign is concatenated as follows:

```
StringToSign =
Algorithm + \n +
RequestTimestamp + \n +
CredentialScope + \n +
HashedCanonicalRequest
```

Field Name	Explanation
Algorithm	Signature algorithm, which is currently always <code>TC3-HMAC-SHA256</code> .
RequestTimestamp	Request timestamp, i.e., the value of the common parameter <code>X-TC-Timestamp</code> in request header, which is the UNIX timestamp of the current time in seconds, such as <code>1551113065</code> in this example.
CredentialScope	Scope of the credential in the format of <code>Date/service/tc3_request</code> , including date, requested service and termination string (tc3_request). Date is a date in UTC time, whose value should match the UTC date converted by the common parameter X-TC-Timestamp ; <code>service</code> is the product name, which should match the domain name of the product called. The calculation result in this example is <code>20180525/cvm/tc3_request</code> .

HashedCanonicalRequest	Hash value of the CanonicalRequest string concatenated in the steps above. The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(CanonicalRequest))) The calculation result in this example is 2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3ad
------------------------	---

Note:

1. Date has to be calculated from the timestamp "X-TC-Timestamp" and the time zone is UTC+0. If you add the system's local time zone information (such as UTC+8), calls can succeed both day and night but will definitely fail at 00:00. For example, if the timestamp is 1551113065 and the time in UTC+8 is 2019-02-26 00:44:25, the UTC+0 date in the calculated Date value should be 2019-02-25 instead of 2019-02-26.
2. Timestamp must be the same as your current system time, and your system time and standard time must be synced; if the difference between Timestamp and your current system time is larger than five minutes, the request will fail. If your system time is out of sync with the standard time for a while, the request will fail and return a signature expiration error.

According to the preceding rules, the string to be signed obtained in the example is as follows:

```
TC3-HMAC-SHA256
1551113065
2019-02-25/cvm/tc3_request
2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3adda7a
```

3. Calculating the Signature

1. Calculate the derived signature key with the following pseudocode:

```
SecretKey = "Gu5t9xGARNpq86cd98joQYCN3*****"
SecretDate = HMAC_SHA256("TC3" + SecretKey, Date)
SecretService = HMAC_SHA256(SecretDate, Service)
SecretSigning = HMAC_SHA256(SecretService, "tc3_request")
```

Field Name	Explanation
SecretKey	The original SecretKey, i.e., Gu5t9xGARNpq86cd98joQYCN3***** .
Date	The Date field information in Credential , such as 2019-02-25 in this example.

Service	Value in the Service field in <code>Credential</code> , such as <code>cvm</code> in this example.
---------	---

2. Calculate the signature with the following pseudocode:

```
Signature = HexEncode(HMAC_SHA256(SecretSigning, StringToSign))
```

4. Concatenating the Authorization

The Authorization is concatenated as follows:

```
Authorization =
Algorithm + ' ' +
'Credential=' + SecretId + '/' + CredentialScope + ', ' +
'SignedHeaders=' + SignedHeaders + ', ' +
'Signature=' + Signature
```

Field Name	Explanation
Algorithm	Signature algorithm, which is always <code>TC3-HMAC-SHA256</code> .
SecretId	The SecretId in the key pair, i.e., <code>AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****</code> .
CredentialScope	Credential scope (see above). The calculation result in this example is <code>2019-02-25/cvm/tc3_request</code> .
SignedHeaders	Header information for signature calculation (see above), such as <code>content-type;host</code> in this example.
Signature	Signature value. The calculation result in this example is <code>c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff</code> .

According to the rules above, the value obtained in the example is:

```
TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff
```

The following example shows a finished authorization header:

```
POST https://cvm.tencentcloudapi.com/
Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff
```

```
Content-Type: application/json; charset=utf-8
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1551113065
X-TC-Region: ap-guangzhou

{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}
```

5. Signature Demo

When calling API 3.0, you are recommended to use the corresponding Tencent Cloud SDK 3.0 which encapsulates the signature process, enabling you to focus on only the specific APIs provided by the product when developing. See [SDK Center](#) for more information. Currently, the following programming languages are supported:

- [Python](#)
- [Java](#)
- [PHP](#)
- [Go](#)
- [NodeJS](#)
- [.NET](#)

To further explain the signing process, we will use a programming language to implement the process described above. The request domain name, API and parameter values in the sample are used here. This goal of this example is only to provide additional clarification for the signature process, please see the SDK for actual usage.

The final output URL might be: `https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Signature=EliP9YW3pW28FpsEdkXt%2F%2BWcGel%3D&Timestamp=1465185768&Version=2017-03-12.`

Note: The key in the example is fictitious, and the timestamp is not the current time of the system, so if this URL is opened in the browser or called using commands such as curl, an authentication error will be returned: Signature expired. In order to get a URL that can work properly, you need to replace the SecretId and SecretKey in the example with your real credentials and use the current time of the system as the Timestamp.

Note: In the example below, even if you use the same programming language, the order of the parameters in the URL may be different for each execution. However, the order does not matter, as long as all the parameters are included in the URL and the signature is calculated correctly.

Note: The following code is only applicable to API 3.0. It cannot be directly used in other signature processes. Even with an older API, signature calculation errors may occur due to the differences in details. Please refer to the corresponding documentation.

Java

```

import java.nio.charset.Charset;
import java.nio.charset.StandardCharsets;
import java.security.MessageDigest;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.TimeZone;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.bind.DatatypeConverter;

public class TencentCloudAPITC3Demo {
    private final static Charset UTF8 = StandardCharsets.UTF_8;
    private final static String SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
    private final static String SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****";
    private final static String CT_JSON = "application/json; charset=utf-8";

    public static byte[] hmac256(byte[] key, String msg) throws Exception {
        Mac mac = Mac.getInstance("HmacSHA256");
        SecretKeySpec secretKeySpec = new SecretKeySpec(key, mac.getAlgorithm());
        mac.init(secretKeySpec);
        return mac.doFinal(msg.getBytes(UTF8));
    }

    public static String sha256Hex(String s) throws Exception {
        MessageDigest md = MessageDigest.getInstance("SHA-256");
        byte[] d = md.digest(s.getBytes(UTF8));
        return DatatypeConverter.printHexBinary(d).toLowerCase();
    }

    public static void main(String[] args) throws Exception {
        String service = "cvm";
        String host = "cvm.tencentcloudapi.com";
        String region = "ap-guangzhou";
        String action = "DescribeInstances";
        String version = "2017-03-12";
        String algorithm = "TC3-HMAC-SHA256";
        String timestamp = "1551113065";
        //String timestamp = String.valueOf(System.currentTimeMillis() / 1000);
        SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
        // Pay attention to the time zone; otherwise, errors may occur
        sdf.setTimeZone(TimeZone.getTimeZone("UTC"));
        String date = sdf.format(new Date(Long.valueOf(timestamp + "000")));

        // ***** Step 1: Concatenate the CanonicalRequest string *****
    }
}

```

```

String httpRequestMethod = "POST";
String canonicalUri = "/";
String canonicalQueryString = "";
String canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "host:" + host + "\n";
String signedHeaders = "content-type;host";

String payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name\": \"instance-name\"}] }";
String hashedRequestPayload = sha256Hex(payload);
String canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canonicalQueryString + "\n"
+ canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload;
System.out.println(canonicalRequest);

// ***** Step 2: Concatenate the string to sign *****
String credentialScope = date + "/" + service + "/" + "tc3_request";
String hashedCanonicalRequest = sha256Hex(canonicalRequest);
String stringToSign = algorithm + "\n" + timestamp + "\n" + credentialScope +
"\n" + hashedCanonicalRequest;
System.out.println(stringToSign);

// ***** Step 3: Calculate the signature *****
byte[] secretDate = hmac256(("TC3" + SECRET_KEY).getBytes(UTF8), date);
byte[] secretService = hmac256(secretDate, service);
byte[] secretSigning = hmac256(secretService, "tc3_request");
String signature = DatatypeConverter.printHexBinary(hmac256(secretSigning, stringToSign)).toLowerCase();
System.out.println(signature);

// ***** Step 4: Concatenate the Authorization *****
String authorization = algorithm + " " + "Credential=" + SECRET_ID + "/" + credentialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", " + "Signature=" + signature;
System.out.println(authorization);

TreeMap<String, String> headers = new TreeMap<String, String>();
headers.put("Authorization", authorization);
headers.put("Content-Type", CT_JSON);
headers.put("Host", host);
headers.put("X-TC-Action", action);
headers.put("X-TC-Timestamp", timestamp);
headers.put("X-TC-Version", version);
headers.put("X-TC-Region", region);

StringBuilder sb = new StringBuilder();
sb.append("curl -X POST https://").append(host)

```

```

.append(" -H \"Authorization: ").append(authorization).append("\")
.append(" -H \"Content-Type: application/json; charset=utf-8\"")
.append(" -H \"Host: ").append(host).append("\")
.append(" -H \"X-TC-Action: ").append(action).append("\")
.append(" -H \"X-TC-Timestamp: ").append(timestamp).append("\")
.append(" -H \"X-TC-Version: ").append(version).append("\")
.append(" -H \"X-TC-Region: ").append(region).append("\")
.append(" -d ").append(payload).append(" ");
System.out.println(sb.toString());
}
}

```

Python

```

# -*- coding: utf-8 -*-
import hashlib, hmac, json, os, sys, time
from datetime import datetime

# Key Parameters
secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3*****"

service = "cvm"
host = "cvm.tencentcloudapi.com"
endpoint = "https://" + host
region = "ap-guangzhou"
action = "DescribeInstances"
version = "2017-03-12"
algorithm = "TC3-HMAC-SHA256"
#timestamp = int(time.time())
timestamp = 1551113065
date = datetime.utcnow().fromtimestamp(timestamp).strftime("%Y-%m-%d")
params = {"Limit": 1, "Filters": [{"Name": "instance-name", "Values": ["unnamed"]}]}

# ***** Step 1: Concatenate the CanonicalRequest string *****
http_request_method = "POST"
canonical_uri = "/"
canonical_querystring = ""
ct = "application/json; charset=utf-8"
payload = json.dumps(params)
canonical_headers = "content-type:%s\nhost:%s\n" % (ct, host)
signed_headers = "content-type;host"
hashed_request_payload = hashlib.sha256(payload.encode("utf-8")).hexdigest()
canonical_request = (http_request_method + "\n" +
canonical_uri + "\n" +

```

```

canonical_querystring + "\n" +
canonical_headers + "\n" +
signed_headers + "\n" +
hashed_request_payload)
print(canonical_request)

# ***** Step 2: Concatenate the string to sign *****
credential_scope = date + "/" + service + "/" + "tc3_request"
hashed_canonical_request = hashlib.sha256(canonical_request.encode("utf-8")).hexdigest()
string_to_sign = (algorithm + "\n" +
str(timestamp) + "\n" +
credential_scope + "\n" +
hashed_canonical_request)
print(string_to_sign)

# ***** Step 3: Calculate the Signature *****
# Function for computing signature digest
def sign(key, msg):
return hmac.new(key, msg.encode("utf-8"), hashlib.sha256).digest()
secret_date = sign(("TC3" + secret_key).encode("utf-8"), date)
secret_service = sign(secret_date, service)
secret_signing = sign(secret_service, "tc3_request")
signature = hmac.new(secret_signing, string_to_sign.encode("utf-8"), hashlib.sha256).hexdigest()
print(signature)

# ***** Step 4: Concatenate the Authorization *****
authorization = (algorithm + " " +
"Credential=" + secret_id + "/" + credential_scope + ", " +
"SignedHeaders=" + signed_headers + ", " +
"Signature=" + signature)
print(authorization)

print('curl -X POST ' + endpoint
+ ' -H "Authorization: ' + authorization + '" '
+ ' -H "Content-Type: application/json; charset=utf-8" '
+ ' -H "Host: ' + host + '" '
+ ' -H "X-TC-Action: ' + action + '" '
+ ' -H "X-TC-Timestamp: ' + str(timestamp) + '" '
+ ' -H "X-TC-Version: ' + version + '" '
+ ' -H "X-TC-Region: ' + region + '" '
+ " -d '" + payload + "'")
    
```

Golang

```
package main

import (
    "crypto/hmac"
    "crypto/sha256"
    "encoding/hex"
    "fmt"
    "time"
)

func sha256hex(s string) string {
    b := sha256.Sum256([]byte(s))
    return hex.EncodeToString(b[:])
}

func hmacsha256(s, key string) string {
    hashed := hmac.New(sha256.New, []byte(key))
    hashed.Write([]byte(s))
    return string(hashed.Sum(nil))
}

func main() {
    secretId := "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
    secretKey := "Gu5t9xGARNpq86cd98joQYCN3*****"
    host := "cvm.tencentcloudapi.com"
    algorithm := "TC3-HMAC-SHA256"
    service := "cvm"
    version := "2017-03-12"
    action := "DescribeInstances"
    region := "ap-guangzhou"
    //var timestamp int64 = time.Now().Unix()
    var timestamp int64 = 1551113065

    // step 1: build canonical request string
    httpRequestMethod := "POST"
    canonicalURI := "/"
    canonicalQueryString := ""
    canonicalHeaders := "content-type:application/json; charset=utf-8\n" + "host:" +
        host + "\n"
    signedHeaders := "content-type;host"
    payload := `{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-na
me"}]}`
    hashedRequestPayload := sha256hex(payload)
    canonicalRequest := fmt.Sprintf("%s\n%s\n%s\n%s\n%s\n%s",
        httpRequestMethod,
        canonicalURI,
```

```
canonicalQueryString,
canonicalHeaders,
signedHeaders,
hashedRequestPayload)
fmt.Println(canonicalRequest)

// step 2: build string to sign
date := time.Unix(timestamp, 0).UTC().Format("2006-01-02")
credentialScope := fmt.Sprintf("%s/%s/tc3_request", date, service)
hashedCanonicalRequest := sha256hex(canonicalRequest)
string2sign := fmt.Sprintf("%s\n%d\n%s\n%s",
algorithm,
timestamp,
credentialScope,
hashedCanonicalRequest)
fmt.Println(string2sign)

// step 3: sign string
secretDate := hmacsha256(date, "TC3"+secretKey)
secretService := hmacsha256(service, secretDate)
secretSigning := hmacsha256("tc3_request", secretService)
signature := hex.EncodeToString([]byte(hmacsha256(string2sign, secretSigning)))
fmt.Println(signature)

// step 4: build authorization
authorization := fmt.Sprintf("%s Credential=%s/%s, SignedHeaders=%s, Signature=%s",
algorithm,
secretId,
credentialScope,
signedHeaders,
signature)
fmt.Println(authorization)

curl := fmt.Sprintf(`curl -X POST https://%s\
-H "Authorization: %s"\
-H "Content-Type: application/json; charset=utf-8"\
-H "Host: %s" -H "X-TC-Action: %s"\
-H "X-TC-Timestamp: %d"\
-H "X-TC-Version: %s"\
-H "X-TC-Region: %s"\
-d '%s'`, host, authorization, host, action, timestamp, version, region, payload)
fmt.Println(curl)
}
```

PHP

```
<?php
$secretId = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
$secretKey = "Gu5t9xGARNpq86cd98joQYCN3*****";
$host = "cvm.tencentcloudapi.com";
$service = "cvm";
$version = "2017-03-12";
$action = "DescribeInstances";
$region = "ap-guangzhou";
// $timestamp = time();
$timestamp = 1551113065;
$algorithm = "TC3-HMAC-SHA256";

// step 1: build canonical request string
$httpRequestMethod = "POST";
$canonicalUri = "/";
$canonicalQueryString = "";
$canonicalHeaders = "content-type:application/json; charset=utf-8\n"."host:". $host. "\n";
$signedHeaders = "content-type;host";
$payload = '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}';
$hashedRequestPayload = hash("SHA256", $payload);
$canonicalRequest = $httpRequestMethod. "\n"
.$canonicalUri. "\n"
.$canonicalQueryString. "\n"
.$canonicalHeaders. "\n"
.$signedHeaders. "\n"
.$hashedRequestPayload;
echo $canonicalRequest.PHP_EOL;

// step 2: build string to sign
$date = gmdate("Y-m-d", $timestamp);
$credentialScope = $date. "/" . $service. "/tc3_request";
$hashedCanonicalRequest = hash("SHA256", $canonicalRequest);
$stringToSign = $algorithm. "\n"
.$timestamp. "\n"
.$credentialScope. "\n"
.$hashedCanonicalRequest;
echo $stringToSign.PHP_EOL;

// step 3: sign string
$secretDate = hash_hmac("SHA256", $date, "TC3". $secretKey, true);
$secretService = hash_hmac("SHA256", $service, $secretDate, true);
$secretSigning = hash_hmac("SHA256", "tc3_request", $secretService, true);
$signature = hash_hmac("SHA256", $stringToSign, $secretSigning);
echo $signature.PHP_EOL;
```

```
// step 4: build authorization
$authorization = $algorithm
." Credential=".$secretId."/".$credentialScope
.", SignedHeaders=content-type;host, Signature=".$signature;
echo $authorization.PHP_EOL;

$curl = "curl -X POST https://"$.host
.' -H "Authorization: '.$authorization.'"
.' -H "Content-Type: application/json; charset=utf-8"
.' -H "Host: '.$host.'"
.' -H "X-TC-Action: '.$action.'"
.' -H "X-TC-Timestamp: '.$timestamp.'"
.' -H "X-TC-Version: '.$version.'"
.' -H "X-TC-Region: '.$region.'"
." -d "'.$payload.'"";
echo $curl.PHP_EOL;
```

Ruby

```
# -*- coding: UTF-8 -*-
# require ruby>=2.3.0
require 'digest'
require 'json'
require 'time'
require 'openssl'

# Key Parameters
secret_id = 'AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****'
secret_key = 'Gu5t9xGARNpq86cd98joQYCN3*****'

service = 'cvm'
host = 'cvm.tencentcloudapi.com'
endpoint = 'https://' + host
region = 'ap-guangzhou'
action = 'DescribeInstances'
version = '2017-03-12'
algorithm = 'TC3-HMAC-SHA256'
# timestamp = Time.now.to_i
timestamp = 1551113065
date = Time.at(timestamp).utc.strftime('%Y-%m-%d')

# ***** Step 1: Concatenate the CanonicalRequest string *****
http_request_method = 'POST'
canonical_uri = '/'
canonical_querystring = ''
```



```

canonical_headers = "content-type:application/json; charset=utf-8\nhost:#{host}
\n"
signed_headers = 'content-type;host'
# params = { 'Limit' => 1, 'Filters' => [{ 'Name' => 'instance-name', 'Values' =>
['unnamed'] }] }
# payload = JSON.generate(params, { 'ascii_only' => true, 'space' => ' ' })
# json will generate in random order, to get specified result in example, we hard
-code it here.
payload = '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-nam
e"}]}'
hashed_request_payload = Digest::SHA256.hexdigest(payload)
canonical_request = [
http_request_method,
canonical_uri,
canonical_querystring,
canonical_headers,
signed_headers,
hashed_request_payload,
].join("\n")

puts canonical_request

# ***** Step 2: Concatenate the string to sign *****
credential_scope = date + '/' + service + '/' + 'tc3_request'
hashed_request_payload = Digest::SHA256.hexdigest(canonical_request)
string_to_sign = [
algorithm,
timestamp.to_s,
credential_scope,
hashed_request_payload,
].join("\n")
puts string_to_sign

# ***** Step 3: Calculate the Signature *****
digest = OpenSSL::Digest.new('sha256')
secret_date = OpenSSL::HMAC.digest(digest, 'TC3' + secret_key, date)
secret_service = OpenSSL::HMAC.digest(digest, secret_date, service)
secret_signing = OpenSSL::HMAC.digest(digest, secret_service, 'tc3_request')
signature = OpenSSL::HMAC.hexdigest(digest, secret_signing, string_to_sign)
puts signature

# ***** Step 4: Concatenate the Authorization *****
authorization = "#{algorithm} Credential=#{secret_id}/#{credential_scope}, Signed
Headers=#{signed_headers}, Signature=#{signature}"
puts authorization

puts 'curl -X POST ' + endpoint \

```

```

+ ' -H "Authorization: ' + authorization + "' \
+ ' -H "Content-Type: application/json; charset=utf-8" \
+ ' -H "Host: ' + host + "' \
+ ' -H "X-TC-Action: ' + action + "' \
+ ' -H "X-TC-Timestamp: ' + timestamp.to_s + "' \
+ ' -H "X-TC-Version: ' + version + "' \
+ ' -H "X-TC-Region: ' + region + "' \
+ " -d '" + payload + "'
    
```

DotNet

```

using System;
using System.Collections.Generic;
using System.Security.Cryptography;
using System.Text;

public class Application
{
    public static string SHA256Hex(string s)
    {
        using (SHA256 algo = SHA256.Create())
        {
            byte[] hashbytes = algo.ComputeHash(Encoding.UTF8.GetBytes(s));
            StringBuilder builder = new StringBuilder();
            for (int i = 0; i < hashbytes.Length; ++i)
            {
                builder.Append(hashbytes[i].ToString("x2"));
            }
            return builder.ToString();
        }
    }

    public static byte[] HmacSHA256(byte[] key, byte[] msg)
    {
        using (HMACSHA256 mac = new HMACSHA256(key))
        {
            return mac.ComputeHash(msg);
        }
    }

    public static Dictionary<String, String> BuildHeaders(string secretid,
        string secretkey, string service, string endpoint, string region,
        string action, string version, DateTime date, string requestPayload)
    {
        string datestr = date.ToString("yyyy-MM-dd");
        DateTime startTime = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc);
        long requestTimestamp = (long)Math.Round((date - startTime).TotalMilliseconds, Mi
    
```

```

dpointRounding.AwayFromZero) / 1000;
// ***** Step 1: Concatenate the CanonicalRequest string *****
string algorithm = "TC3-HMAC-SHA256";
string httpRequestMethod = "POST";
string canonicalUri = "/";
string canonicalQueryString = "";
string contentType = "application/json";
string canonicalHeaders = "content-type:" + contentType + "; charset=utf-8\n" +
"host:" + endpoint + "\n";
string signedHeaders = "content-type;host";
string hashedRequestPayload = SHA256Hex(requestPayload);
string canonicalRequest = httpRequestMethod + "\n"
+ canonicalUri + "\n"
+ canonicalQueryString + "\n"
+ canonicalHeaders + "\n"
+ signedHeaders + "\n"
+ hashedRequestPayload;
Console.WriteLine(canonicalRequest);
Console.WriteLine("-----");

// ***** Step 2: Concatenate the string to sign *****
string credentialScope = datestr + "/" + service + "/" + "tc3_request";
string hashedCanonicalRequest = SHA256Hex(canonicalRequest);
string stringToSign = algorithm + "\n" + requestTimestamp.ToString() + "\n" + cre
dentialScope + "\n" + hashedCanonicalRequest;
Console.WriteLine(stringToSign);
Console.WriteLine("-----");

// ***** Step 3: Calculate the signature *****
byte[] tc3SecretKey = Encoding.UTF8.GetBytes("TC3" + secretkey);
byte[] secretDate = HmacSHA256(tc3SecretKey, Encoding.UTF8.GetBytes(datestr));
byte[] secretService = HmacSHA256(secretDate, Encoding.UTF8.GetBytes(service));
byte[] secretSigning = HmacSHA256(secretService, Encoding.UTF8.GetBytes("tc3_requ
est"));
byte[] signatureBytes = HmacSHA256(secretSigning, Encoding.UTF8.GetBytes(stringTo
Sign));
string signature = BitConverter.ToString(signatureBytes).Replace("-", "").ToLower
();
Console.WriteLine(signature);
Console.WriteLine("-----");

// ***** Step 4: Concatenate the Authorization *****
string authorization = algorithm + " "
+ "Credential=" + secretid + "/" + credentialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", "
+ "Signature=" + signature;
Console.WriteLine(authorization);
    
```

```

Console.WriteLine("-----");

Dictionary<string, string> headers = new Dictionary<string, string>();
headers.Add("Authorization", authorization);
headers.Add("Host", endpoint);
headers.Add("Content-Type", contentType + "; charset=utf-8");
headers.Add("X-TC-Timestamp", requestTimestamp.ToString());
headers.Add("X-TC-Version", version);
headers.Add("X-TC-Action", action);
headers.Add("X-TC-Region", region);
return headers;
}

public static void Main(string[] args)
{
    // SecretID and SecretKey
    string SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
    string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****";

    string service = "cvm";
    string endpoint = "cvm.tencentcloudapi.com";
    string region = "ap-guangzhou";
    string action = "DescribeInstances";
    string version = "2017-03-12";

    // The timestamp `2019-02-26 00:44:25` used here is only for reference. In a project, use the following parameter:
    // DateTime date = DateTime.UtcNow;
    // Enter the correct time zone. We recommend using UTC timestamp to avoid errors.
    DateTime date = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc).AddSeconds(1551113065);
    string requestPayload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"\\u672a\\u547d\\u540d\"], \"Name\": \"instance-name\"}]}";

    Dictionary<string, string> headers = BuildHeaders(SECRET_ID, SECRET_KEY, service, endpoint, region, action, version, date, requestPayload);

    Console.WriteLine("POST https://cvm.tencentcloudapi.com");
    foreach (KeyValuePair<string, string> kv in headers)
    {
        Console.WriteLine(kv.Key + ": " + kv.Value);
    }
    Console.WriteLine();
    Console.WriteLine(requestPayload);
}
}

```

NodeJS

```
const crypto = require('crypto');

function sha256(message, secret = '', encoding) {
  const hmac = crypto.createHmac('sha256', secret)
  return hmac.update(message).digest(encoding)
}

function getHash(message, encoding = 'hex') {
  const hash = crypto.createHash('sha256')
  return hash.update(message).digest(encoding)
}

function getDate(timestamp) {
  const date = new Date(timestamp * 1000)
  const year = date.getUTCFullYear()
  const month = ('0' + (date.getUTCMonth() + 1)).slice(-2)
  const day = ('0' + date.getUTCDate()).slice(-2)
  return `${year}-${month}-${day}`
}

function main(){

const SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
const SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****"

const endpoint = "cvm.tencentcloudapi.com"
const service = "cvm"
const region = "ap-guangzhou"
const action = "DescribeInstances"
const version = "2017-03-12"
//const timestamp = getTime()
const timestamp = 1551113065
const date = getDate(timestamp)

// ***** Step 1: Concatenate the CanonicalRequest string *****
const signedHeaders = "content-type;host"

const payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name\": \"instance-name\"}]}"

const hashedRequestPayload = getHash(payload);
const httpRequestMethod = "POST"
const canonicalUri = "/"
const canonicalQueryString = ""
const canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "host:" + endpoint + "\n"

const canonicalRequest = httpRequestMethod + "\n"
```

```

+ canonicalUri + "\n"
+ canonicalQueryString + "\n"
+ canonicalHeaders + "\n"
+ signedHeaders + "\n"
+ hashedRequestPayload
console.log(canonicalRequest)
console.log("-----")

// ***** Step 2: Concatenate the string to sign *****
const algorithm = "TC3-HMAC-SHA256"
const hashedCanonicalRequest = getHash(canonicalRequest);
const credentialScope = date + "/" + service + "/" + "tc3_request"
const stringToSign = algorithm + "\n" +
timestamp + "\n" +
credentialScope + "\n" +
hashedCanonicalRequest
console.log(stringToSign)
console.log("-----")

// ***** Step 3: Calculate the signature *****
const kDate = sha256(date, 'TC3' + SECRET_KEY)
const kService = sha256(service, kDate)
const kSigning = sha256('tc3_request', kService)
const signature = sha256(stringToSign, kSigning, 'hex')
console.log(signature)
console.log("-----")

// ***** Step 4: Concatenate the Authorization *****
const authorization = algorithm + " " +
"Credential=" + SECRET_ID + "/" + credentialScope + ", " +
"SignedHeaders=" + signedHeaders + ", " +
"Signature=" + signature
console.log(authorization)
console.log("-----")

const Call_Information = 'curl -X POST ' + "https://" + endpoint
+ ' -H "Authorization: ' + authorization + '"'
+ ' -H "Content-Type: application/json; charset=utf-8"'
+ ' -H "Host: ' + endpoint + '"'
+ ' -H "X-TC-Action: ' + action + '"'
+ ' -H "X-TC-Timestamp: ' + timestamp.toString() + '"'
+ ' -H "X-TC-Version: ' + version + '"'
+ ' -H "X-TC-Region: ' + region + '"'
+ " -d '" + payload + '"'
console.log(Call_Information)
}
main()
    
```

C++

```
#include <iostream>
#include <iomanip>
#include <sstream>
#include <string>
#include <stdio.h>
#include <time.h>
#include <openssl/sha.h>
#include <openssl/hmac.h>

using namespace std;

string get_data(int64_t &timestamp)
{
    string utcDate;
    char buff[20] = {0};
    // time_t timenow;
    struct tm sttime;
    sttime = *gmtime(&timestamp);
    strftime(buff, sizeof(buff), "%Y-%m-%d", &sttime);
    utcDate = string(buff);
    return utcDate;
}

string int2str(int64_t n)
{
    std::stringstream ss;
    ss << n;
    return ss.str();
}

string sha256Hex(const string &str)
{
    char buf[3];
    unsigned char hash[SHA256_DIGEST_LENGTH];
    SHA256_CTX sha256;
    SHA256_Init(&sha256);
    SHA256_Update(&sha256, str.c_str(), str.size());
    SHA256_Final(hash, &sha256);
    std::string NewString = "";
    for(int i = 0; i < SHA256_DIGEST_LENGTH; i++)
    {
        sprintf(buf, sizeof(buf), "%02x", hash[i]);
        NewString = NewString + buf;
    }
    return NewString;
}
```

```
}
string HmacSha256(const string &key, const string &input)
{
    unsigned char hash[32];

    HMAC_CTX *h;
    #if OPENSSSL_VERSION_NUMBER < 0x10100000L
    HMAC_CTX hmac;
    HMAC_CTX_init(&hmac);
    h = &hmac;
    #else
    h = HMAC_CTX_new();
    #endif

    HMAC_Init_ex(h, &key[0], key.length(), EVP_sha256(), NULL);
    HMAC_Update(h, ( unsigned char* )&input[0], input.length());
    unsigned int len = 32;
    HMAC_Final(h, hash, &len);

    #if OPENSSSL_VERSION_NUMBER < 0x10100000L
    HMAC_CTX_cleanup(h);
    #else
    HMAC_CTX_free(h);
    #endif

    std::stringstream ss;
    ss << std::setfill('0');
    for (int i = 0; i < len; i++)
    {
        ss << hash[i];
    }

    return (ss.str());
}
string HexEncode(const string &input)
{
    static const char* const lut = "0123456789abcdef";
    size_t len = input.length();

    string output;
    output.reserve(2 * len);
    for (size_t i = 0; i < len; ++i)
    {
        const unsigned char c = input[i];
        output.push_back(lut[c >> 4]);
        output.push_back(lut[c & 15]);
    }
}
```



```
return output;
}

int main()
{
string SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****";

string service = "cvm";
string host = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";
int64_t timestamp = 1551113065;
string date = get_data(timestamp);

// ***** Step 1: Concatenate the CanonicalRequest string *****
string httpRequestMethod = "POST";
string canonicalUri = "/";
string canonicalQueryString = "";
string canonicalHeaders = "content-type:application/json; charset=utf-8\nhost:" +
host + "\n";
string signedHeaders = "content-type;host";
string payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name\": \"instance-name\"}] }";
string hashedRequestPayload = sha256Hex(payload);
string canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canonicalQueryString + "\n"
+ canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload;
cout << canonicalRequest << endl;
cout << "-----" << endl;

// ***** Step 2: Concatenate the string to sign *****
string algorithm = "TC3-HMAC-SHA256";
string RequestTimestamp = int2str(timestamp);
string credentialScope = date + "/" + service + "/" + "tc3_request";
string hashedCanonicalRequest = sha256Hex(canonicalRequest);
string stringToSign = algorithm + "\n" + RequestTimestamp + "\n" + credentialScope + "\n" + hashedCanonicalRequest;
cout << stringToSign << endl;
cout << "-----" << endl;

// ***** Step 3: Calculate the signature *****
string kKey = "TC3" + SECRET_KEY;
string kDate = HmacSha256(kKey, date);
string kService = HmacSha256(kDate, service);
string kSigning = HmacSha256(kService, "tc3_request");
```

```

string signature = HexEncode(HmacSha256(kSigning, stringToSign));
cout << signature << endl;
cout << "-----" << endl;

// ***** Step 4: Concatenate the Authorization *****
string authorization = algorithm + " " + "Credential=" + SECRET_ID + "/" + creden
tialScope + ", "
+ "SignedHeaders=" + signedHeaders + ", " + "Signature=" + signature;
cout << authorization << endl;
cout << "-----" << endl;

string headers = "curl -X POST https://" + host + "\n"
+ " -H \"Authorization: \" + authorization + "\n"
+ " -H \"Content-Type: application/json; charset=utf-8\" + "\n"
+ " -H \"Host: \" + host + "\n"
+ " -H \"X-TC-Action: \" + action + "\n"
+ " -H \"X-TC-Timestamp: \" + RequestTimestamp + "\n"
+ " -H \"X-TC-Version: \" + version + "\n"
+ " -H \"X-TC-Region: \" + region + "\n"
+ " -d '" + payload;
cout << headers << endl;
return 0;
};
    
```

Signature Failure

The following situational error codes for signature failure may occur. Please resolve the errors accordingly.

Error Code	Description
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes.
AuthFailure.SecretIdNotFound	The key does not exist. Please go to the console to check whether it is disabled or you copied fewer or more characters.
AuthFailure.SignatureFailure	Signature error. It is possible that the signature was calculated incorrectly, the signature does not match the content actually sent, or the SecretKey is incorrect.
AuthFailure.TokenFailure	Temporary certificate token error.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).

Signature

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Tencent Cloud API authenticates each access request, i.e. each request needs to include authentication information (Signature) in the common parameters to verify the identity of the requester.

The Signature is generated by the security credentials which include SecretId and SecretKey. If you don't have the security credentials yet, go to the [TencentCloud API Key](#) page to apply for them; otherwise, you cannot invoke the TencentCloud API.

1. Applying for Security Credentials

Before using the TencentCloud API for the first time, go to the [TencentCloud API Key](#) page to apply for security credentials.

Security credentials consist of SecretId and SecretKey:

- SecretId is used to identify the API requester.
- SecretKey is used to encrypt the signature string and verify it on the server.
- **You must keep your security credentials private and avoid disclosure.**

You can apply for the security credentials through the following steps:

1. Log in to the [Tencent Cloud Console](#).
2. Go to the [TencentCloud API Key](#) page.
3. On the [API Key Management](#) page, click **Create Key** to create a SecretId/SecretKey pair.

Note: Each account can have up to two pairs of SecretId/SecretKey.

2. Generating a Signature

With the SecretId and SecretKey, a signature can be generated. The following describes how to generate a signature:

Assume that the SecretId and SecretKey are:

- SecretId: AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****
- SecretKey: Gu5t9xGARNpq86cd98joQYCN3*****

Note: This is just an example. For actual operations, please use your own SecretId and SecretKey.

Take the Cloud Virtual Machine's request to view the instance list (DescribeInstances) as an example. When you invoke this API, the request parameters may be as follows:

Parameter name	Description	Parameter value
Action	Method name	DescribeInstances
SecretId	Key ID	AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****
Timestamp	Current timestamp	1465185768
Nonce	Random positive integer	11886
Region	Region where the instance is located	ap-guangzhou
InstanceIds.0	ID of the instance to query	ins-09dx96dg
Offset	Offset	0
Limit	Allowed maximum output	20
Version	API version number	2017-03-12

2.1. Sorting Parameters

First, sort all the request parameters in an ascending lexicographical order (ASCII code) by their names. Notes: (1) Parameters are sorted by their names instead of their values; (2) The parameters are sorted based on ASCII code, not in an alphabetical order or by values. For example, InstanceIds.2 should be arranged after InstanceIds.12. You can complete the sorting process using a sorting function in a programming language, such as the ksort function in PHP. The parameters in the example are sorted as follows:

```
{
  'Action' : 'DescribeInstances',
  'InstanceIds.0' : 'ins-09dx96dg',
  'Limit' : 20,
  'Nonce' : 11886,
  'Offset' : 0,
  'Region' : 'ap-guangzhou',
  'SecretId' : 'AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****',
  'Timestamp' : 1465185768,
  'Version' : '2017-03-12',
}
```

When developing in another programming language, you can sort these sample parameters and it will work as long as you obtain the same results.

2.2. Concatenating a Request String

This step generates a request string.

Format the request parameters sorted in the previous step into the form of "parameter name"="parameter value". For example, for the Action parameter, its parameter name is "Action" and its parameter value is "DescribeInstances", so it will become Action=DescribeInstances after formatted.

Note: The "parameter value" is the original value but not the value after URL encoding.

Then, concatenate the formatted parameters with "&". The resulting request string is as follows:

```
Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0
&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Timestamp=1465
185768&Version=2017-03-12
```

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

1. HTTP method: POST and GET modes are supported, and GET is used here for the request. Please note that the method name should be in all capital letters.
2. Request server: the domain name of the request to view the list of instances (DescribeInstances) is cvm.tencentcloudapi.com. The actual request domain name varies by the module to which the API belongs. For more information, see the instructions of the specific API.
3. Request path: The request path in the current version of TencentCloud API is fixed to /.
4. Request string: the request string generated in the previous step.

The concatenation rule of the signature original string is: Request method + request host + request path + ? + request string

The concatenation result of the example is:

```
GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&L
imit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WF
kmLPx3*****&Timestamp=1465185768&Version=2017-03-12
```

2.4. Generating a Signature String

This step generates a signature string.

First, use the HMAC-SHA1 algorithm to sign the **signature original string** obtained in the previous step, and then

encode the generated signature using Base64 to obtain the final signature.

The specific code is as follows with the PHP language being used as an example:

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3*****';  
$srcStr = 'GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Timestamp=1465185768&Version=2017-03-12';  
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));  
echo $signStr;
```

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

When developing in another programming language, you can sign and verify the original in the example above and it works as long as you get the same results.

3. Encoding a Signature String

The generated signature string cannot be directly used as a request parameter and must be URL encoded.

For example, if the signature string generated in the previous step is `zmmjn35mikh6pM3V7sUEuX4wyYM=`, the final signature string request parameter (Signature) is `zmmjn35mikh6pM3V7sUEuX4wyYM%3D`, which will be used to generate the final request URL.

Note: If your request method is GET, or the request method is POST and the Content-Type is application/x-www-form-urlencoded, then all the request parameter values need to be URL encoded (except the parameter key and the symbol of =) when sending the request. Non-ASCII characters need to be encoded with UTF-8 before URL encoding.

Note: The network libraries of some programming languages automatically URL encode all parameters, in which case there is no need to URL encode the signature string; otherwise, two rounds of URL encoding will cause the signature to fail.

Note: Other parameter values also need to be encoded using [RFC 3986](#). Use %XY in percent-encoding for special characters such as Chinese characters, where "X" and "Y" are hexadecimal characters (0-9 and uppercase A-F), and using lowercase will cause an error.

4. Signature Failure

The following situational error codes for signature failure may occur. Please resolve the errors accordingly.

Error code	Error description
AuthFailure.SignatureExpire	The signature is expired
AuthFailure.SecretIdNotFound	The key does not exist
AuthFailure.SignatureFailure	Signature error
AuthFailure.TokenFailure	Token error
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type)

5. Signature Demo

When calling API 3.0, you are recommended to use the corresponding Tencent Cloud SDK 3.0 which encapsulates the signature process, enabling you to focus on only the specific APIs provided by the product when developing. See [SDK Center](#) for more information. Currently, the following programming languages are supported:

- [Python](#)
- [Java](#)
- [PHP](#)
- [Go](#)
- [NodeJS](#)
- [.NET](#)

To further explain the signing process, we will use a programming language to implement the process described above. The request domain name, API and parameter values in the sample are used here. This goal of this example is only to provide additional clarification for the signature process, please see the SDK for actual usage.

The final output URL might be: `https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Signature=zmmjn35mikh6pM3V7sUEuX4wyYM%3D&Timestamp=1465185768&Version=2017-03-12` .

Note: The key in the example is fictitious, and the timestamp is not the current time of the system, so if this URL is opened in the browser or called using commands such as curl, an authentication error will be returned: Signature expired. In order to get a URL that can work properly, you need to replace the SecretId and SecretKey in the example with your real credentials and use the current time of the system as the Timestamp.

Note: In the example below, even if you use the same programming language, the order of the parameters in the URL may be different for each execution. However, the order does not matter, as long as all the parameters are included in the URL and the signature is calculated correctly.

Note: The following code is only applicable to API 3.0. It cannot be directly used in other signature processes. Even with an older API, signature calculation errors may occur due to the differences in details. Please refer to the corresponding documentation.

Java

```
import java.io.UnsupportedEncodingException;
import java.net.URLEncoder;
import java.util.Random;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.bind.DatatypeConverter;

public class TencentCloudAPIDemo {
    private final static String CHARSET = "UTF-8";

    public static String sign(String s, String key, String method) throws Exception {
        Mac mac = Mac.getInstance(method);
        SecretKeySpec secretKeySpec = new SecretKeySpec(key.getBytes(CHARSET), mac.getAlgorithm());
        mac.init(secretKeySpec);
        byte[] hash = mac.doFinal(s.getBytes(CHARSET));
        return DatatypeConverter.printBase64Binary(hash);
    }

    public static String getStringToSign(TreeMap<String, Object> params) {
        StringBuilder s2s = new StringBuilder("GETcvm.tencentcloudapi.com/?");
        // When signing, the parameters need to be sorted in lexicographical order. TreeMap
        // is used here to guarantee the correct order.
        for (String k : params.keySet()) {
            s2s.append(k).append("=").append(params.get(k).toString()).append("&");
        }
        return s2s.toString().substring(0, s2s.length() - 1);
    }

    public static String getUrl(TreeMap<String, Object> params) throws UnsupportedEncodingException {
        StringBuilder url = new StringBuilder("https://cvm.tencentcloudapi.com/?");
        // There is no requirement for the order of the parameters in the actual request
        // URL.
        for (String k : params.keySet()) {
```



```
// The request string needs to be URL encoded. As the Key is all in English letters, only the value is URL encoded here.
url.append(k).append("=").append(URLEncoder.encode(params.get(k).toString(), CHARSET)).append("&");
}
return url.toString().substring(0, url.length() - 1);
}

public static void main(String[] args) throws Exception {
    TreeMap<String, Object> params = new TreeMap<String, Object>(); // TreeMap enables automatic sorting
    // A random number should be used when actually calling, for example: params.put("Nonce", new Random().nextInt(Integer.MAX_VALUE));
    params.put("Nonce", 11886); // Common parameter
    // The current time of the system should be used when actually calling, for example: params.put("Timestamp", System.currentTimeMillis() / 1000);
    params.put("Timestamp", 1465185768); // Common parameter
    params.put("SecretId", "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"); // Common parameter
    params.put("Action", "DescribeInstances"); // Common parameter
    params.put("Version", "2017-03-12"); // Common parameter
    params.put("Region", "ap-guangzhou"); // Common parameter
    params.put("Limit", 20); // Business parameter
    params.put("Offset", 0); // Business parameter
    params.put("InstanceIds.0", "ins-09dx96dg"); // Business parameter
    params.put("Signature", sign(getStringToSign(params), "Gu5t9xGARNpq86cd98joQYCN3*****", "HmacSHA1")); // Common parameter
    System.out.println(getUrl(params));
}
}
```

Python

Note: If running in a Python 2 environment, the following requests dependency package must be installed first: `pip install requests`.

```
# -*- coding: utf8 -*-
import base64
import hashlib
import hmac
import time

import requests

secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3*****"
```

```
def get_string_to_sign(method, endpoint, params):
    s = method + endpoint + "?"
    query_str = "&".join("%s=%s" % (k, params[k]) for k in sorted(params))
    return s + query_str

def sign_str(key, s, method):
    hmac_str = hmac.new(key.encode("utf8"), s.encode("utf8"), method).digest()
    return base64.b64encode(hmac_str)

if __name__ == '__main__':
    endpoint = "cvm.tencentcloudapi.com"
    data = {
        'Action': 'DescribeInstances',
        'InstanceIds.0': 'ins-09dx96dg',
        'Limit': 20,
        'Nonce': 11886,
        'Offset': 0,
        'Region': 'ap-guangzhou',
        'SecretId': secret_id,
        'Timestamp': 1465185768, # int(time.time())
        'Version': '2017-03-12'
    }
    s = get_string_to_sign("GET", endpoint, data)
    data["Signature"] = sign_str(secret_key, s, hashlib.sha1)
    print(data["Signature"])
    # An actual invocation would occur here, which may incur fees after success
    # resp = requests.get("https://" + endpoint, params=data)
    # print(resp.url)
```

Golang

```
package main

import (
    "bytes"
    "crypto/hmac"
    "crypto/sha1"
    "encoding/base64"
    "fmt"
    "sort"
)

func main() {
    secretId := "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
    secretKey := "Gu5t9xGARNpq86cd98joQYCN3*****"
```

```

params := map[string]string{
    "Nonce": "11886",
    "Timestamp": "1465185768",
    "Region": "ap-guangzhou",
    "SecretId": secretId,
    "Version": "2017-03-12",
    "Action": "DescribeInstances",
    "InstanceIds.0": "ins-09dx96dg",
    "Limit": "20",
    "Offset": "0",
}

var buf bytes.Buffer
buf.WriteString("GET")
buf.WriteString("cvm.tencentcloudapi.com")
buf.WriteString("/")
buf.WriteString("?")

// sort keys by ascii asc order
keys := make([]string, 0, len(params))
for k, _ := range params {
    keys = append(keys, k)
}
sort.Strings(keys)

for i := range keys {
    k := keys[i]
    buf.WriteString(k)
    buf.WriteString("=")
    buf.WriteString(params[k])
    buf.WriteString("&")
}
buf.Truncate(buf.Len() - 1)

hashed := hmac.New(sha1.New, []byte(secretKey))
hashed.Write(buf.Bytes())

fmt.Println(base64.StdEncoding.EncodeToString(hashed.Sum(nil)))
}
    
```

PHP

```

<?php
$secretId = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
$secretKey = "Gu5t9xGARNpq86cd98joQYCN3*****";
$params["Nonce"] = 11886;//rand();
    
```

```
$param["Timestamp"] = 1465185768;//time();
$params["Region"] = "ap-guangzhou";
$params["SecretId"] = $secretId;
$params["Version"] = "2017-03-12";
$params["Action"] = "DescribeInstances";
$params["InstanceIds.0"] = "ins-09dx96dg";
$params["Limit"] = 20;
$params["Offset"] = 0;

ksort($param);

$signStr = "GETcvm.tencentcloudapi.com/?";
foreach ($param as $key => $value) {
    $signStr = $signStr . $key . "=" . $value . "&";
}
$signStr = substr($signStr, 0, -1);

$signature = base64_encode(hash_hmac("sha1", $signStr, $secretKey, true));
echo $signature.PHP_EOL;
// need to install and enable curl extension in php.ini
// $params["Signature"] = $signature;
// $url = "https://cvm.tencentcloudapi.com/?".http_build_query($param);
// echo $url.PHP_EOL;
// $ch = curl_init();
// curl_setopt($ch, CURLOPT_URL, $url);
// $output = curl_exec($ch);
// curl_close($ch);
// echo json_decode($output);
```

Ruby

```
# -*- coding: UTF-8 -*-
# require ruby>=2.3.0
require 'time'
require 'openssl'
require 'base64'

secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3*****"

method = 'GET'
endpoint = 'cvm.tencentcloudapi.com'
data = {
  'Action' => 'DescribeInstances',
  'InstanceIds.0' => 'ins-09dx96dg',
  'Limit' => 20,
```

```

'Nonce' => 11886,
'Offset' => 0,
'Region' => 'ap-guangzhou',
'SecretId' => secret_id,
'Timestamp' => 1465185768, # Time.now.to_i
'Version' => '2017-03-12',
}
sign = method + endpoint + '/?'
params = []
data.sort.each do |item|
  params << "#{item[0]}=#{item[1]}"
end
sign += params.join('&')
digest = OpenSSL::Digest.new('sha1')
data['Signature'] = Base64.encode64(OpenSSL::HMAC.digest(digest, secret_key, sign))
puts data['Signature']

# require 'net/http'
# uri = URI('https://' + endpoint)
# uri.query = URI.encode_www_form(data)
# p uri
# res = Net::HTTP.get_response(uri)
# puts res.body
    
```

DotNet

```

using System;
using System.Collections.Generic;
using System.Net;
using System.Security.Cryptography;
using System.Text;

public class Application {
    public static string Sign(string signKey, string secret)
    {
        string signRet = string.Empty;
        using (HMACSHA1 mac = new HMACSHA1(Encoding.UTF8.GetBytes(signKey)))
        {
            byte[] hash = mac.ComputeHash(Encoding.UTF8.GetBytes(secret));
            signRet = Convert.ToBase64String(hash);
        }
        return signRet;
    }

    public static string MakeSignPlainText(SortedDictionary<string, string> requestParams, string requestMethod, string requestHost, string requestPath)
    
```

```
{
    string retStr = "";
    retStr += requestMethod;
    retStr += requestHost;
    retStr += requestPath;
    retStr += "?";
    string v = "";
    foreach (string key in requestParams.Keys)
    {
        v += string.Format("{0}={1}&", key, requestParams[key]);
    }
    retStr += v.TrimEnd('&');
    return retStr;
}

public static void Main(string[] args)
{
    string SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
    string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****";

    string endpoint = "cvm.tencentcloudapi.com";
    string region = "ap-guangzhou";
    string action = "DescribeInstances";
    string version = "2017-03-12";
    double RequestTimestamp = 1465185768;
    // long timestamp = ToTimestamp() / 1000;
    // string requestTimestamp = timestamp.ToString();
    Dictionary<string, string> param = new Dictionary<string, string>();
    param.Add("Limit", "20");
    param.Add("Offset", "0");
    param.Add("InstanceIds.0", "ins-09dx96dg");
    param.Add("Action", action);
    param.Add("Nonce", "11886");
    // param.Add("Nonce", Math.Abs(new Random().Next()).ToString());

    param.Add("Timestamp", RequestTimestamp.ToString());
    param.Add("Version", version);

    param.Add("SecretId", SECRET_ID);
    param.Add("Region", region);
    SortedDictionary<string, string> headers = new SortedDictionary<string, string>(p
aram, StringComparer.Ordinal);
    string sigInParam = MakeSignPlainText(headers, "GET", endpoint, "/");
    Console.WriteLine(sigInParam);
    string sigOutParam = Sign(SECRET_KEY, sigInParam);
}
```

```
Console.WriteLine("GET https://cvm.tencentcloudapi.com");
foreach (KeyValuePair<string, string> kv in headers)
{
    Console.WriteLine(kv.Key + ": " + kv.Value);
}
Console.WriteLine("Signature" + ": " + WebUtility.UrlEncode(sigOutParam));
Console.WriteLine();

string result = "https://cvm.tencentcloudapi.com/?";
foreach (KeyValuePair<string, string> kv in headers)
{
    result += WebUtility.UrlEncode(kv.Key) + "=" + WebUtility.UrlEncode(kv.Value) +
"&";
}
result += WebUtility.UrlEncode("Signature") + "=" + WebUtility.UrlEncode(sigOutPa
ram);
Console.WriteLine("GET " + result);
}
}
```

NodeJS

```
const crypto = require('crypto');

function get_req_url(params, endpoint){
    params['Signature'] = escape(params['Signature']);
    const url_strParam = sort_params(params)
    return "https://" + endpoint + "/" + url_strParam.slice(1);
}

function formatSignString(reqMethod, endpoint, path, strParam){
    let strSign = reqMethod + endpoint + path + "?" + strParam.slice(1);
    return strSign;
}

function sha1(secretKey, strsign){
    let signMethodMap = {'HmacSHA1': "sha1"};
    let hmac = crypto.createHmac(signMethodMap['HmacSHA1'], secretKey || "");
    return hmac.update(Buffer.from(strsign, 'utf8')).digest('base64')
}

function sort_params(params) {
    let strParam = "";
    let keys = Object.keys(params);
    keys.sort();
    for (let k in keys) {
        //k = k.replace(/_/g, '.');
    }
}
```

```

strParam += ("%&" + keys[k] + "=" + params[keys[k]]);
}
return strParam
}

function main(){
const SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
const SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****"

const endpoint = "cvm.tencentcloudapi.com"
const Region = "ap-guangzhou"
const Version = "2017-03-12"
const Action = "DescribeInstances"
const Timestamp = 1465185768
// const Timestamp = Math.round(Date.now() / 1000)
const Nonce = 11886
//const nonce = Math.round(Math.random() * 65535)

let params = {};
params['Action'] = Action;
params['InstanceIds.0'] = 'ins-09dx96dg';
params['Limit'] = 20;
params['Offset'] = 0;
params['Nonce'] = Nonce;
params['Region'] = Region;
params['SecretId'] = SECRET_ID;
params['Timestamp'] = Timestamp;
params['Version'] = Version;

strParam = sort_params(params)

const reqMethod = "GET";
const path = "/";
strSign = formatSignString(reqMethod, endpoint, path, strParam)
console.log(strSign)
console.log("-----")

params['Signature'] = sha1(SECRET_KEY, strSign)
console.log(params['Signature'])
console.log("-----")

const req_url = get_req_url(params, endpoint)
console.log(params['Signature'])
console.log("-----")
console.log(req_url)
}
main()

```


Responses

最近更新时间：2024-03-21 17:45:29

Response for Successful Requests

For example, when calling CAM API (version: 2017-03-12) to view the status of instances (DescribeInstancesStatus), if the request has succeeded, you may see the response as shown below:

```
{
  "Response": {
    "TotalCount": 0,
    "InstanceStatusSet": [],
    "RequestId": "b5b41468-520d-4192-b42f-595cc34b6c1c"
  }
}
```

- The API will return `Response`, which contains `RequestId`, as long as it processes the request. It does not matter if the request is successful or not.
- `RequestId` is the unique ID of an API request. Contact us with this ID when an exception occurs.
- Except for the fixed fields, all fields are action-specified. For the definitions of action-specified fields, see the corresponding API documentation. In this example, `TotalCount` and `InstanceStatusSet` are the fields specified by the API `DescribeInstancesStatus`. `0` `TotalCount` means that the requester owns 0 CVM instance so the `InstanceStatusSet` is empty.

Response for Failed Requests

If the request has failed, you may see the response as shown below:

```
{
  "Response": {
    "Error": {
      "Code": "AuthFailure.SignatureFailure",
      "Message": "The provided credentials could not be validated. Please ensure your signature is correct."
    },
    "RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
  }
}
```

- The presence of the `Error` field indicates that the request has failed. A response for a failed request will include `Error`, `Code` and `Message` fields.
- `Code` is the code of the error that helps you identify the cause and solution. There are two types of error codes so you may find the code in either common error codes or API-specified error codes.
- `Message` explains the cause of the error. Note that the returned messages are subject to service updates. The information the messages provide may not be up-to-date and should not be the only source of reference.
- `RequestId` is the unique ID of an API request. Contact us with this ID when an exception occurs.

Common Error Codes

If there is an `Error` field in the response, it means that the API call failed. The `Code` field in `Error` indicates the error code. The following table lists the common error codes that all actions can return.

Error Code	Description
<code>AuthFailure.InvalidSecretId</code>	Invalid key (not a TencentCloud API key type).
<code>AuthFailure.MFAFailure</code>	MFA failed.
<code>AuthFailure.SecretIdNotFound</code>	The key does not exist.
<code>AuthFailure.SignatureExpire</code>	Signature expired.
<code>AuthFailure.SignatureFailure</code>	Signature error.
<code>AuthFailure.TokenFailure</code>	Token error.
<code>AuthFailure.UnauthorizedOperation</code>	The request does not have CAM authorization.
<code>DryRunOperation</code>	DryRun Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
<code>FailedOperation</code>	Operation failed.
<code>InternalError</code>	Internal error.
<code>InvalidAction</code>	The API does not exist.
<code>InvalidParameter</code>	Incorrect parameter.
<code>InvalidParameterValue</code>	Invalid parameter value.
<code>LimitExceeded</code>	Quota limit exceeded.
<code>MissingParameter</code>	A parameter is missing.

NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTPS request method error. Only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Instance Management APIs

DescribeInstances

最近更新时间：2024-03-21 17:45:40

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the instance information.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeInstances.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Registryids.N	No	Array of String	List of instance IDs (if it is empty, it indicates to get all instances under the current account)
Offset	No	Integer	Offset. Default value: 0.
Limit	No	Integer	Maximum number of output entries. Default value: 20. Maximum value: 100.
Filters.N	No	Array of	Filters

		Filter	
AllRegion	No	Boolean	Whether to get the instances in all regions. Default value: False.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of instances
Registries	Array of Registry	List of instances Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Viewing the list of instances

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeInstances
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 1,
    "Registries": [
      {
        "RegistryId": "cls-xxxxxxx",
        "RegistryName": "aaa",
        "Status": "Running",
        "RegistryType": "standard",
        "PublicDomain": "mytest.tencentcloudcr.com",
        "InternalEndpoint": "8.9.10.9",
        "ExpiredAt": "2020-09-10",
        "PayMod": 1,

```

```
"RenewFlag": 1
}
],
"RequestId": "a1be36f0-1aa4-4af2-a289-da021bcef89f"
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.

OperationDenied	Operation denied.
ResourceInsufficient.ErrorInstanceNotRunning	Exceptional instance status.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeInstanceStatus

最近更新时间：2024-03-21 17:45:41

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the current status and process information of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeInstanceStatus.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryIds.N	Yes	Array of String	Array of instance IDs

3. Output Parameters

Parameter Name	Type	Description

RegistryStatusSet	Array of RegistryStatus	List of instance statuses Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the instance status

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeInstanceStatus
&RegistryIds.0=tcr-ak9876
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryStatusSet": [
      {
        "Status": "Runing",
        "RegistryId": "tcr-ak9876"
      }
    ],
    "RequestId": "a1be36f0-1aa4-4af2-a289-da021bcef89f"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CreateInstanceToken

最近更新时间：2024-03-21 17:45:43

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create a temporary or long-term instance access credential.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateInstanceToken.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
TokenType	No	String	Access credential type. Values: <code>longterm</code> and <code>temp</code> (default, valid for one hour)
Desc	No	String	Description of the long-term access credential

3. Output Parameters

Parameter Name	Type	Description
Username	String	Username Note: this field may return <code>null</code> , indicating that no valid value can be found.
Token	String	Access credential
ExpTime	Integer	Expiration timestamp of access credential. It is a string of numbers without unit.
TokenId	String	Token ID of long-term access credential. It is not available to temporary access credential. Note: this field may return <code>null</code> , indicating that no valid value can be found.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Obtaining a temporary instance access credential

This example shows you how to obtain a temporary instance access credential, of which the valid period is one hour.

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateInstanceToken
&RegistryId=tcr-ak9876
&TokenType=temp
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Username": 12345678,
    "Token": "XXXX",
    "ExpTime": "33987631",
    "RequestId": "xx",
    "TokenId": "xx"
  }
}
```

Example2 Obtaining a long-term instance access credential

This example shows you how to obtain a long-term instance access credential, which can be used to grant permissions to third-party applications.

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateInstanceToken
&RegistryId=tcr-ak9876
&TokenType=longterm
&Desc=for-tke-cluster
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Username": "12345678",
    "Token": "XXXX",
    "ExpTime": "33987631",
    "RequestId": "xx",
    "TokenId": "1456976"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.Unknown	Unknown error.
InvalidParameter	Parameter error. Please check and try again.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CreateInstance

最近更新时间：2024-03-21 17:45:43

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateInstance.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryName	Yes	String	Enterprise Edition instance name
RegistryType	Yes	String	Enterprise Edition instance type. Valid values: basic: Basic; standard: Standard; premium: Premium.
TagSpecification	No	TagSpecification	Cloud tag description
RegistryChargeType	No	Integer	Instance billing mode. Valid values: 0: Pay-

			as-you-go billing; 1: Prepaid. Default value: 0.
RegistryChargePrepaid	No	RegistryChargePrepaid	Auto-renewal setting and purchase period
SyncTag	No	Boolean	Whether to sync TCR cloud tags to the COS bucket
EnableCosMAZ	No	Boolean	Whether to enable the COS Multi-AZ feature
DeletionProtection	No	Boolean	Whether to enable deletion protection

3. Output Parameters

Parameter Name	Type	Description
RegistryId	String	Enterprise Edition instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a TCR Enterprise instance

This example shows you how to create an instance.

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateInstance
&RegistryName=tcr-test
&RegistryType=standard
&SyncTag=True
&<Common request parameters>
```

Output Example

```
{
  "Response": {
```

```
"RegistryId": "XXXX",
"RequestId": "eac6b301-a322-493a-8e36-83b295459397"
}
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.GetDBDataError	An error occurs while obtaining the database data.
FailedOperation.TradeFailed	The transaction failed.
FailedOperation.ValidateRegistryNameFail	Failed to verify the repository name.
FailedOperation.ValidateSupportedRegionFail	An error occurred while verifying available regions.
InternalError	Internal error. Please check and try again.

InternalError.DbError	Database error. Please check and try again.
InternalError.ErrConflict	Target conflicts.
InternalError.ErrNotExist	The target does not exist.
InternalError.ErrorConflict	The resource already exists.
InternalError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorNameExists	The instance name already exists.
InvalidParameter.ErrorNameIllegal	Invalid instance name.
InvalidParameter.ErrorNameReserved	The instance name is reserved.
InvalidParameter.ErrorRegistryName	Invalid instance name. Its format is incorrect or it has been reserved.
InvalidParameter.ErrorTagOverLimit	The instance can bind up to 10 Tencent Cloud tags.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied.QuotaOverLimit	Reached the upper limit of quota.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

ModifyInstanceToken

最近更新时间：2024-03-21 17:45:39

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update the status of the specified long-term access credential in an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyInstanceToken.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
TokenId	Yes	String	ID of the long-term access credential of the instance
RegistryId	Yes	String	Instance ID
Enable	No	Boolean	Whether to enable the long-term access credential of the instance
Desc	No	String	Access credential description
ModifyFlag	No	Integer	Valid values: 1: Modify the description; 2: Enable/Disable. Default value: 2.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Enabling a long-term access credential of an instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifyInstanceToken
&RegistryId=tcr-12345
&TokenId=2ab3af0d-893d-423f-91b1-27713566f95f
&Enable=true
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6cd302c6-c4c9-425a-8d07-8c59b7f4cf3f"
  }
}
```

Example2 Disabling a long-term access credential of an instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifyInstanceToken
&RegistryId=tcr-12345
&TokenId=2ab3af0d-893d-423f-91b1-27713566f95f
&Enable=false
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6cd302c6-c4c9-425a-8d07-8c59b7f4cf3f"
  }
}
```

Example3 Updating the description

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifyInstanceToken
&RegistryId=tcr-12345
&TokenId=2ab3af0d-893d-423f-91b1-27713566f95f
&Desc=aaa
&ModifyFlag=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "6cd302c6-c4c9-425a-8d07-8c59b7f4cf3f"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.Unknown	Unknown error.
InvalidParameter	Parameter error. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeInstanceToken

最近更新时间：2024-03-21 17:45:40

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the information of long-term access credentials.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeInstanceToken.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Limit	No	Integer	Number of entries per page
Offset	No	Integer	Pagination offset

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of long-term access credentials
Tokens	Array of TcrInstanceToken	List of long-term access credentials
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the information of long-term access credentials

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeInstanceToken
&<Common request parameters>
&RegistryId=tcr-ak9876
```

Output Example

```
{
  "Response": {
    "RequestId": "6cd302c6-c4c9-425a-8d07-8c59b7f4cf3f",
    "TotalCount": 0,
    "Tokens": []
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteInstanceToken

最近更新时间：2024-03-21 17:45:42

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a long-term access credential.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteInstanceToken.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
TokenId	Yes	String	Access credential ID

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

4. Example

Example1 Deleting a long-term access credential

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteInstanceToken
&<Common request parameters>
&RegistryId=tcr-12345
&TokenId=b671eee3-a58d-4704-b4d2-a84b6361ff0c
```

Output Example

```
{
  "Response": {
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.Unknown	Unknown error.
InvalidParameter	Parameter error. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteInstance

最近更新时间：2024-03-21 17:45:42

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a TCR Enterprise Edition instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteInstance.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
DeleteBucket	No	Boolean	Whether to delete the bucket. Default value: false.
DryRun	No	Boolean	Whether to enable the <code>dryRun</code> mode. Default value: false.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting an Enterprise Edition instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteInstance
&RegistryId=tcr-abc123
&DeleteBucket=true
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.TradeFailed	The transaction failed.
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorConflict	The resource already exists.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

RenewInstance

最近更新时间：2024-03-21 17:45:39

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to renew a prepaid instance or change the billing mode from pay-as-you-go billing to monthly subscription billing.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: RenewInstance.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
RegistryChargePrepaid	Yes	RegistryChargePrepaid	Auto-renewal flag and purchase duration in months for prepayment. Valid values: 0: Manual renewal; 1: Auto-renewal; 2: No renewal and no notification.
Flag	Yes	Integer	Valid values: 0: renewal; 1: change from

			pay-as-you-go to monthly subscription billing
--	--	--	---

3. Output Parameters

Parameter Name	Type	Description
RegistryId	String	Enterprise Edition instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Renewing a prepaid Enterprise Edition instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=RenewInstance
&RegistryId=tcr-12345
&RegistryChargePrepaid.Period=1
&RegistryChargePrepaid.RenewFlag=1
&Flag=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryId": "tcr-12345",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorNameExists	The instance name already exists.
InvalidParameter.ErrorRegistryName	Invalid instance name. Its format is incorrect or it has been reserved.
InvalidParameter.ErrorTagOverLimit	The instance can bind up to 10 Tencent Cloud tags.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.
MissingParameter	Missing parameters. Please check and try again.

UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CheckInstanceName

最近更新时间：2024-03-21 17:45:44

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to check whether the name of the instance to be created meets the specifications.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CheckInstanceName.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryName	Yes	String	Name of the instance to be created

3. Output Parameters

Parameter Name	Type	Description
IsValidated	Boolean	Verification result. Valid values: true: Valid; false: Invalid.

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

4. Example

Example1 Checking whether the name of the instance to be created meets the specifications

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CheckInstanceName
&RegistryName=registryName123
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "IsValidated": true,
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorNameExists	The instance name already exists.
InvalidParameter.ErrorRegistryName	Invalid instance name. Its format is incorrect or it has been reserved.
InvalidParameter.ErrorTagOverLimit	The instance can bind up to 10 Tencent Cloud tags.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CheckInstance

最近更新时间：2024-03-21 17:45:44

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to verify the information of the Enterprise Edition instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CheckInstance.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	ID of the instance to be verified.

3. Output Parameters

Parameter Name	Type	Description
IsValidated	Boolean	Verification result. true: valid, false: invalid

RegionId	Integer	ID of the region where the instance is located.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Checking whether the instance ID exists

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CheckInstance
&RegistryId=tcr-test
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "IsValidated": true,
    "RegionId": 1,
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorNameExists	The instance name already exists.
InvalidParameter.ErrorRegistryName	Invalid instance name. Its format is incorrect or it has been reserved.
InvalidParameter.ErrorTagOverLimit	The instance can bind up to 10 Tencent Cloud tags.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

ModifyInstance

最近更新时间：2024-03-21 17:45:39

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update instance information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyInstance.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
RegistryType	No	String	Instance edition Basic: <code>basic</code> Standard: <code>standard</code> Premium: <code>premium</code>
DeletionProtection	No	Boolean	Whether to enable deletion protection. It defaults to <code>false</code> .

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Updating instance information

This example shows you how to adjust instance specification.

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifyInstance
&RegistryId=tcr-abc123
&RegistryType=premium
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)

- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeRegions

最近更新时间：2024-03-21 17:45:40

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to get the available regions in TCR.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRegions.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of returned results
Regions	Array	List of regions

	of Region	
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Listing the regions where TCR is available

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeRegions
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 1,
    "Regions": [
      {
        "RegionId": "1",
        "RegionName": "ap-guangzhou",
        "Status": "alluser",
        "Remark": "aaa",
        "Alias": "gz",
        "CreatedAt": "2019-08-09",
        "UpdatedAt": "2019-08-09"
      }
    ],
    "RequestId": "a1be36f0-1aa4-4af2-a289-da021bcef89f"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeInstanceCustomizedDomain

最近更新时间：2024-03-21 17:45:41

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the list of custom domain names of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeInstanceCustomizedDomain.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
Limit	No	Integer	Pagination limit
Offset	No	Integer	Pagination offset

3. Output Parameters

Parameter Name	Type	Description
DomainInfoList	Array of CustomizedDomainInfo	List of domain names Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	Total number
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of custom domain names of an instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeInstanceCustomizedDomain
&RegistryId=tcr-12345
&Limit=10
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "xx",
    "DomainInfoList": [
      {
        "Status": "xx",
        "CertId": "xx",
        "RegistryId": "xx",
        "DomainName": "xx"
      }
    ],
    "TotalCount": 10
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.
MissingParameter	Missing parameters. Please check and try again.

UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeImageAccelerateService

最近更新时间：2024-03-21 17:45:41

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the status of an image acceleration service.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeImageAccelerateService.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

Status	String	Image acceleration status
CFSVIP	String	CFS VIP
IsEnable	Boolean	Whether to enable
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the status of an image acceleration service

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeImageAccelerateService
&RegistryId=xxx
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Status": "Completed",
    "CFSVIP": "10.1.1.1",
    "IsEnable": "true",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)

- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteInstanceCustomizedDomain

最近更新时间：2024-03-21 17:45:42

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a custom domain name.

A maximum of 1 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteInstanceCustomizedDomain.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
DomainName	Yes	String	Custom domain name
CertificateId	No	String	Certificate ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a custom domain name

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteInstanceCustomizedDomain
&RegistryId=tcr-12345
&DomainName=test.com
&CertificateId=kWGTVuU3
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c8bf292d-38c7-49d9-8da3-737d08160cfc"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)

- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteImageAccelerateService

最近更新时间：2024-03-21 17:45:42

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete an image acceleration service.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteImageAccelerateService.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

4. Example

Example1 Deleting an image acceleration service

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteImageAccelerateService
&RegistryId=xxx
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CreateInstanceCustomizedDomain

最近更新时间：2024-03-21 17:45:43

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create a custom domain name.

A maximum of 1 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateInstanceCustomizedDomain.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
DomainName	Yes	String	Custom domain name
CertificateId	Yes	String	Certificate ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a custom domain name

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateInstanceCustomizedDomain
&RegistryId=tcr-12345
&DomainName=test.com
&CertificateId=kWGTVuU3
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c8bf292d-38c7-49d9-8da3-737d08160cfc"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)

- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrConflict	Target conflicts.
InternalError.ErrNotExist	The target does not exist.
InternalError.ErrorConflict	The resource already exists.
InternalError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CreateImageAccelerationService

最近更新时间：2024-03-21 17:45:44

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create an image acceleration service.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateImageAccelerationService.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
VpcId	Yes	String	ID of the VPC where the CFS file system to be created resides
SubnetId	Yes	String	ID of the subnet where the CFS file system to be created resides
StorageType	Yes	String	Storage class of the CFS file system to be created. Valid

			values: SD: Standard; HP: High-Performance.
PGroupId	Yes	String	Permission group ID
Zone	Yes	String	AZ name, such as <code>ap-beijing-1</code> . For more information, see the list of regions and AZs in Overview.
TagSpecification	No	TagSpecification	Cloud tag description

3. Output Parameters

Parameter Name	Type	Description
RegistryId	String	Instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an image acceleration service

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateImageAccelerationService
&RegistryId=xxx
&VpcId=xxx
&SubnetId=xxx
&StorageType=xxx
&PGroupId=xxx
&Zone=xxx
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryId": "XXXX",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
```

```
}  
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.

UnsupportedOperation

Unsupported operation

Namespace APIs

ModifyNamespace

最近更新时间：2024-03-21 17:45:33

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update the information of a namespace. Currently, only the namespace access level can be modified.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyNamespace.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
IsPublic	Yes	Boolean	Access level. Valid values: True: Public; False: Private.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Updating the namespace information

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifyNamespace
&RegistryId=tcr-okmj78
&NamespaceName=mytest
&IsPublic=true
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)

- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DependenceError	Dependency exception.
InternalServerError	Internal error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

DeleteNamespace

最近更新时间：2024-03-21 17:45:35

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a namespace.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteNamespace.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name

3. Output Parameters

Parameter Name	Type	Description

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
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4. Example

Example1 Deleting a namespace

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteNamespace
<Common request parameters>

{
  "NamespaceName": "mytest",
  "RegistryId": "tcr-okmj78"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.ErrorGetDBDataError	An error occurred while obtaining the database data.
FailedOperation.ErrorTcrResourceConflict	TCR instance resource conflict.
FailedOperation.ErrorTcrUnauthorized	No permission for TCR operation.
FailedOperation.GetDBDataError	An error occurs while obtaining the database data.
FailedOperation.PreconditionFailed	Prerequisites not met.
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.

ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

CreateNamespace

最近更新时间：2024-03-21 17:45:36

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create a namespace in an Enterprise Edition instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateNamespace.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name, which can contain 2–30 lowercase letters, digits, and separators (".", "_", and "-") but can neither start or end with a separator nor contain consecutive separators.
IsPublic	Yes	Boolean	Whether to make public. Valid values: true: Yes; false: No.

TagSpecification	No	TagSpecification	Cloud tag description
------------------	----	----------------------------------	-----------------------

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a namespace

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateNamespace
<Common request parameters>

{
  "NamespaceName": "mytest",
  "IsPublic": "true",
  "RegistryId": "tcr-okmj78"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.DependenceError	Dependency exception.
FailedOperation.ErrorTcrInvalidMediaType	Invalid request header.
FailedOperation.ErrorTcrResourceConflict	TCR instance resource conflict.
FailedOperation.ErrorTcrUnauthorized	No permission for TCR operation.
FailedOperation.OperationCancel	The operation is canceled.
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrInvalidMediaType	Invalid request header
InternalError.ErrorTcrResourceConflict	TCR instance resource conflict.

InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation

DescribeNamespaces

最近更新时间：2024-03-21 17:45:34

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the namespace list or the information of the specified namespace.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeNamespaces.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	No	String	Specified namespace. If this parameter is left empty, all namespaces will be queried.
Limit	No	Integer	Number of entries per page
Offset	No	Integer	Page offset (page number from which to return the results)
All	No	Boolean	Whether to list all namespaces

Filters.N	No	Array of Filter	Filters
KmsSignPolicy	No	Boolean	Whether to query only namespaces for which the KMS image signature is enabled

3. Output Parameters

Parameter Name	Type	Description
NamespaceList	Array of TcrNamespaceInfo	List of namespaces
TotalCount	Integer	Total number
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the namespace information

This example shows you how to query the information of all namespaces in an instance.

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeNamespaces
<Common request parameters>

{
  "Limit": "20",
  "RegistryId": "tcr-f7g1lr99",
  "Offset": "0"
}
```

Output Example

```
{
  "Response": {
    "NamespaceList": [
      {
        "NamespaceId": 2,
        "TagSpecification": {
          "ResourceType": "namespace",
          "Tags": [
            {
              "Value": "tag-value",
              "Key": "tag-key"
            }
          ]
        },
        "CreationTime": "2020-09-22T00:00:00+00:00",
        "Public": true,
        "Name": "ns"
      },
      {
        "Public": true,
        "Name": "ns1",
        "CreationTime": "2020-09-22T00:00:00+00:00",
        "NamespaceId": 1,
        "TagSpecification": {
          "ResourceType": "namespace",
          "Tags": [
            {
              "Value": "tag-value",
              "Key": "tag-key"
            }
          ]
        }
      }
    ],
    "TotalCount": 2,
    "RequestId": "866bda78-ed75-4b10-8876-e82de555f69b"
  }
}
```

5. Developer Resources

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.DependenceError	Dependency exception.
FailedOperation.ErrorGetDBDataError	An error occurred while obtaining the database data.
FailedOperation.ErrorTcrResourceConflict	TCR instance resource conflict.
FailedOperation.ErrorTcrUnauthorized	No permission for TCR operation.
FailedOperation.GetDBDataError	An error occurs while obtaining the database data.
FailedOperation.OperationCancel	The operation is canceled.
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrInvalidMediaType	Invalid request header
InternalError.ErrorTcrResourceConflict	TCR instance resource conflict.

InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

ModifyImmutableTagRules

最近更新时间：2024-03-21 17:45:34

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update the tag immutability rule.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyImmutableTagRules.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace
RuleId	Yes	Integer	Rule ID
Rule	Yes	ImmutableTagRule	Rule

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Updating a rule

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyImmutableTagRules
<Common request parameters>

{
  "NamespaceName": "kofj",
  "RegistryId": "tcr-mfoeec7x",
  "Rule": {
    "RepositoryDecoration": "repoMatches",
    "RepositoryPattern": "**",
    "TagPattern": "**",
    "TagDecoration": "matches"
  },
  "RuleId": 19
}
```

Output Example

```
{
  "Response": {
    "RequestId": "e60d9467-ceb5-4da3-9956-4a9f2d63d37e"
  }
}
```

5. Developer Resources

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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
AuthFailure	CAM signature/authentication error
FailedOperation	Operation failed
InternalError	Internal error. Please check and try again.
InternalError.Unknown	Unknown error.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.

DescribeImmutableTagRules

最近更新时间：2024-03-21 17:45:35

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to list the tag immutability rule.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeImmutableTagRules.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

Rules	Array of ImmutableTagRule	Rule list Note: this field may return <code>null</code> , indicating that no valid value can be obtained.
EmptyNs	Array of String	Namespace with no rules created Note: this field may return <code>null</code> , indicating that no valid value can be obtained.
Total	Integer	Total rules
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Listing a rule

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeImmutableTagRules
<Common request parameters>

{
  "RegistryId": "tcr-mfoeec7x"
}
```

Output Example

```
{
  "Response": {
    "Rules": [
      {
        "TagDecoration": "matches",
        "RuleId": 19,
        "Disabled": false,
        "RepositoryDecoration": "repoMatches",
        "RepositoryPattern": "**",
        "TagPattern": "**",
        "NsName": "kofj"
      }
    ]
  }
}
```

```
}
],
"EmptyNs": [
  "library"
],
"Total": 3,
"RequestId": "17eacd5a-b943-4e39-8a7a-3fb7b171c995"
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
AuthFailure	CAM signature/authentication error
FailedOperation	Operation failed
InternalError	Internal error. Please check and try again.

InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InternalError.Unknown	Unknown error.
InvalidParameter	Parameter error. Please check and try again.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.

DeleteImmutableTagRules

最近更新时间：2024-03-21 17:45:36

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete the tag immutability rule.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteImmutableTagRules.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace
RuleId	Yes	Integer	Rule ID

3. Output Parameters

--	--	--

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a rule

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteImmutableTagRules
<Common request parameters>

{
  "NamespaceName": "kofj",
  "RegistryId": "tcr-mfoeec7x",
  "RuleId": 15
}
```

Output Example

```
{
  "Response": {
    "RequestId": "e60d9467-ceb5-4da3-9956-4a9f2d63d37e"
  }
}
```

5. Developer Resources

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
AuthFailure	CAM signature/authentication error
FailedOperation	Operation failed
InternalServerError	Internal error. Please check and try again.
InternalServerError.Unknown	Unknown error.
InvalidParameter	Parameter error. Please check and try again.
ResourceNotFound	The resource does not exist.

CreateImmutableTagRules

最近更新时间：2024-03-21 17:45:36

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create the tag immutability rule.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateImmutableTagRules.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace
Rule	Yes	ImmutableTagRule	Rule

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a rule

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateImmutableTagRules
<Common request parameters>

{
  "NamespaceName": "kofj",
  "RegistryId": "tcr-mfoeec7x",
  "Rule": {
    "RepositoryDecoration": "repoMatches",
    "RepositoryPattern": "**",
    "TagPattern": "**",
    "TagDecoration": "matches"
  }
}
```

Output Example

```
{
  "Response": {
    "RequestId": "e60d9467-ceb5-4da3-9956-4a9f2d63d37e"
  }
}
```

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
AuthFailure	CAM signature/authentication error
FailedOperation	Operation failed
InternalServerError	Internal error. Please check and try again.
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.Unknown	Unknown error.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
ResourceNotFound	The resource does not exist.

DescribeInstanceAllNamespaces

最近更新时间：2024-03-21 17:45:34

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the list of all namespaces in an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeInstanceAllNamespaces.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
Limit	No	Integer	Number of entries per page
Offset	No	Integer	Start position offset

3. Output Parameters

Parameter	Type	Description
-----------	------	-------------

Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the namespace information

This example shows you how to query the information of all namespaces in an instance.

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeInstanceAllNamespaces
<Common request parameters>

{
  "Limit": 20,
  "Offset": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "d92365c7-3484-4d52-8add-93f682e127bd"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DependenceError	Dependency exception.
FailedOperation.ErrorGetDBDataError	An error occurred while obtaining the database data.
FailedOperation.OperationCancel	The operation is canceled.
InternalError	Internal error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrInvalidMediaType	Invalid request header
InternalError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

DeleteSignaturePolicy

最近更新时间：2024-03-21 17:45:35

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a namespace signing policy.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteSignaturePolicy.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

4. Example

Example1 Deleting a namespace signing policy

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteSignaturePolicy
<Common request parameters>

{
  "NamespaceName": "library",
  "RegistryId": "tcr-okmj78"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for PHP](#)
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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.ErrorGetDBDataError	An error occurred while obtaining the database data.
FailedOperation.ErrorTcrResourceConflict	TCR instance resource conflict.
FailedOperation.ErrorTcrUnauthorized	No permission for TCR operation.
FailedOperation.GetDBDataError	An error occurs while obtaining the database data.
InternalError	Internal error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrInvalidMediaType	Invalid request header
InternalError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

CreateSignaturePolicy

最近更新时间：2024-03-21 17:45:36

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create an image signature policy.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateSignaturePolicy.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Name	Yes	String	Policy name
NamespaceName	Yes	String	Namespace name
KmsId	Yes	String	KMS key
KmsRegion	Yes	String	Region of the KMS key
Domain	No	String	Custom domain name. If this parameter is left empty, the default

			domain name of the TCR instance will be used to generate the signature.
Disabled	No	Boolean	Whether to disable the signing policy. Default value: false.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an image signing policy

Input Example

```

POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateSignaturePolicy
<Common request parameters>

{
  "RegistryId": "tcr-f7g1lr99",
  "Name": "library signing",
  "NamespaceName": "library",
  "KmsId": "08408a30-0416-11ed-abdc-52540036b432",
  "KmsRegion": "",
  "Disabled": false
}
    
```

Output Example

```

{
  "Response": {
    "RequestId": "866bda78-ed75-4b10-8876-e82de555f69b"
  }
}
    
```

```
}  
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
UnsupportedOperation	Unsupported operation

Image Repository APIs

DuplicateImage

最近更新时间：2024-03-21 17:45:45

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to duplicate the Enterprise Edition repository image version.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DuplicateImage.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID.
SourceNamespace	Yes	String	Source namespace name.
SourceRepo	Yes	String	Source image repository name.
SourceReference	Yes	String	Source image tag or digest value. Currently, only tag is supported.

DestinationTag	Yes	String	Destination image version.
DestinationNamespace	No	String	Destination namespace. Defaults to the same as the source if not filled.
DestinationRepo	No	String	Destination image repository. Defaults to the same as the source if not filled.
Override	No	Boolean	Whether to overwrite.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Duplicating Enterprise Edition Repository Image Versions

This example shows you how to duplicate image versions in the enterprise edition repository.

Input Example

```

POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DuplicateImage
<Common request parameters>

{
  "RegistryId": "tcr-e8pg46c6",
  "SourceNamespace": "develop",
  "SourceRepo": "app",
  "SourceReference": "stg",
  "DestinationNamespace": "release",
  "DestinationRepo": "app",
  "DestinationTag": "prd",

```

```
"Override": true
}
```

Output Example

```
{
  "Response": {
    "RequestId": "eee33f6d-9271-4894-aaf6-14642d5a88da"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.EmptyCoreBody	A null is returned for <code>Core</code> .

FailedOperation.OperationCancel	The operation is canceled.
FailedOperation.PreconditionFailed	Prerequisites not met.
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrResourceConflict	TCR instance resource conflict.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

ModifyRepository

最近更新时间：2024-03-21 17:45:45

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update the information of an image repository. The repository description can be modified.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyRepository.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
RepositoryName	Yes	String	Image repository name
BriefDescription	Yes	String	Brief repository description
Description	Yes	String	Detailed repository description

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Updating the image repository information

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifyRepository
&RegistryId=tcr-okmj78
&NamespaceName=mytest
&RepositoryName=test
&Description=mytest
&BriefDescription=BriefDescription
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

DescribeRepositories

最近更新时间：2024-03-21 17:45:45

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the image repository list or the information of the specified image repository.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRepositories.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	No	String	Specified namespace. If this parameter is left empty, image repositories in all namespaces will be queried.
RepositoryName	No	String	Specified image repository. If this parameter is left empty, all image repositories in the specified namespace will be queried.
Offset	No	Integer	Page number, which is used for pagination
Limit	No	Integer	Number of entries per page, which is used for pagination

SortBy	No	String	Sort field. Valid values: -creation_time, -name, -update_time.
--------	----	--------	--

3. Output Parameters

Parameter Name	Type	Description
RepositoryList	Array of TcrRepositoryInfo	Repository information list
TotalCount	Integer	Total number
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the image repository information

This example shows you how to query all image repositories in the specified instance.

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeRepositories
&RegistryId=tcr-f7g1ir99
&Limit=20
&Offset=0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "772e3357-0b31-4b79-8afb-5b9835a3ada9",
    "RepositoryList": [
      {
        "Name": "mytest/tianzichen",
        "Namespace": "mytest",
        "CreationTime": "2020-02-27 01:07:14.503709 +0800 CST",
        "UpdateTime": "2020-02-27 01:07:14.503709 +0800 CST",
```

```

"Public": false,
>Description": "mytest",
>BriefDescription": "test"
}
],
>TotalCount": 1
}
}
    
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.EmptyCoreBody	A null is returned for <code>Core</code> .
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.

InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrInvalidMediaType	Invalid request header
InternalError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

DescribeImages

最近更新时间：2024-03-21 17:45:46

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the list of image tags or the information of the specified container image.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeImages.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
RepositoryName	Yes	String	Image repository name
ImageVersion	No	String	Image tag specified for fuzzy search
Limit	No	Integer	Number of entries per page, which is used for pagination. Default value: 20.
Offset	No	Integer	Page number. Default value: 1.

Digest	No	String	Image digest specified for search
ExactMatch	No	Boolean	Whether to use exact matching. Valid values: <code>true</code> (exact matching), <code>null</code> (fuzzy matching).

3. Output Parameters

Parameter Name	Type	Description
ImageInfoList	Array of TcrImageInfo	List of container images
TotalCount	Integer	Total number of container images
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the information of a container image

This example shows you how to query the information of all container images in the specified image repository and get the list of image tags.

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeImages
<Common request parameters>

{
  "Limit": "20",
  "NamespaceName": "team-01",
  "RepositoryName": "nginx",
  "RegistryId": "tcr-okmj78",
  "Offset": "0"
}
```


Output Example

```
{
  "Response": {
    "RequestId": "d76f7a1b-d9e9-4454-b95b-25c34f17b943",
    "ImageInfoList": [
      {
        "Digest": "sha256:a1801b843b1bfaf77c501e7a6d3f709401a1e0c83863037fa3aab063a7fdb9dc",
        "ImageVersion": "8",
        "Size": 83520757,
        "UpdateTime": "2022-08-06T07:31:01.207374Z",
        "Kind": "Artifact::application/vnd.docker.distribution.manifest.v2+json",
        "KmsSignature": "UKauWpHdjaTjTsE64BSFhJe0YZj7eXiu8DzkRgTk0vbuxl+ICYbVJ2p1afHGv/WsOqqJvEKJdNPU4iAGNYEbegTi/UwcrCRijNeFkzHNqljBa75g1u9LHjVmtE9dxzh17YGRHpDxbL2CCjZ9YgeCqpps11LiXvlydrMLgoqwHKwao3WnkZU2fye4HIreZ3CXGkqv7g8rbhmjwEZJUTWAuEws7eNSv19RS8NAJctwvZWZQUGKkRpbBRkKxdENSIgRoA+SyX0Qmu2SxvwdRTsCwI+B1rJxLmw1wYgAh3mQiXtehBZAJdYLcOvokUgAUC8cpKpeJ+bSsYvCLh+uJlF4Pg=="
      }
    ],
    "TotalCount": 1
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.EmptyCoreBody	A null is returned for <code>Core</code> .
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.

DeleteRepository

最近更新时间：2024-03-21 17:45:47

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete an image repository.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteRepository.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
RepositoryName	Yes	String	Image repository name

3. Output Parameters

Parameter	Type	Description
-----------	------	-------------

Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting an image repository

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteRepository
&RegistryId=tcr-okmj78
&NamespaceName=test
&RepositoryName=mytest
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

CreateRepository

最近更新时间：2024-03-21 17:45:48

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create an image repository in an Enterprise Edition instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateRepository.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
RepositoryName	Yes	String	Repository name
BriefDescription	No	String	Brief repository description
Description	No	String	Detailed repository description

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an image repository

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateRepository
&RegistryId=tcr-okmju7
&NamespaceName=team-01
&RepositoryName=nginx
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.OperationCancel	The operation is canceled.
InternalServerError	Internal error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation

DescribeImageManifests

最近更新时间：2024-03-21 17:45:46

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the manifest information of a container image.

A maximum of 10 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeImageManifests.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
RepositoryName	Yes	String	Image repository name
ImageVersion	Yes	String	Image tag

3. Output Parameters

Parameter Name	Type	Description
Manifest	String	Image manifest information
Config	String	Image configuration information
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the manifest information of a container image

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeImageManifests
&<Common request parameters>
&RegistryId=tcr-7s2d14fn
&NamespaceName=test
&RepositoryName=mytest
&ImageVersion=1.0
```

Output Example

```
{
  "Response": {
    "RequestId": "6ef83620-c92e-496c-b206-25b0b638f409",
    "Manifest": "{\"config\":{\"digest\":\"sha256:72f6114b119f1423a2713aca1e15cb9aeaf835a714d36f7a2cf88d10e4bb6be\"},\"mediaType\":\"application/vnd.docker.container.image.v1+json\"},\"size\":2396},\"layers\":[\"digest\":\"sha256:9123ac7c32f74759e6283f04dbf571f18246abe5bb2c779efcb32cd50f3ff13c\", \"mediaType\":\"application/vnd.docker.image.rootfs.diff.tar.gz\", \"size\":2764173}, {\"digest\":\"sha256:8673ef3ff8fc5ede7363cbe74d295b013ef7959ba002af607314d8ee77b58a5a\", \"mediaType\":\"application/vnd.docker.image.rootfs.diff.tar.gz\", \"size\":1616975}, {\"digest\":\"sha256:a8e22d4a83517ee59537183a2f7ca35fa7b81d36176a9d5d42ca2ab0486af779\", \"mediaType\":\"application/vnd.docker.image.rootfs.diff.tar.gz\", \"size\":8446306}],\"mediaType\":\"application/vnd.docker.distribution.manifest.v2+json\", \"schemaVersion\":2}",
    "Config": ""
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrInvalidMediaType	Invalid request header
InternalError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.

MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

DeleteImage

最近更新时间：2024-03-21 17:45:47

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete the specified image.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteImage.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
RepositoryName	Yes	String	Image repository name
ImageVersion	Yes	String	Image tag
NamespaceName	Yes	String	Namespace name

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting the specified image

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteImage
&RegistryId=tcr-okmj78
&NamespaceName=mytest
&RepositoryName=test
&ImageVersion=1.0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)

- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

DescribeGCJobs

最近更新时间：2024-03-21 17:45:46

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the last ten garbage collection (GC) records.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeGCJobs.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
Jobs	Array of	List of GC jobs

	GCJobInfo	
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the last ten GC records

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeGCJobs
&RegistryId=tcr-test123
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Jobs": [
      {
        "UpdateTime": "2021-06-01T08:10:42.713895Z",
        "CreationTime": "2021-06-01T08:10:42Z",
        "ID": 65,
        "JobStatus": "pending"
      },
      {
        "UpdateTime": "2021-05-28T09:01:36.772412Z",
        "CreationTime": "2021-05-28T09:01:36Z",
        "ID": 56,
        "JobStatus": "finished"
      }
    ],
    "RequestId": "c3fca04b-76c4-4165-8fad-824ce73dd0f8"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Node.js](#)
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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
AuthFailure	CAM signature/authentication error
FailedOperation	Operation failed
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation

DeleteRepositoryTags

最近更新时间：2024-03-21 17:45:47

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to batch delete repository tags in an Enterprise Edition instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteRepositoryTags.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
RepositoryName	Yes	String	Repository name
Tags.N	Yes	Array of String	List of tags. Up to 20 tags can be returned for a request.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Batch deleting image repository tags

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteRepositoryTags
&RegistryId=tcr-xxx
&NamespaceName=test
&RepositoryName=demo
&Tags.0=tag0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.PreconditionFailed	Prerequisites not met.
InternalError	Internal error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrInvalidMediaType	Invalid request header
InternalError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

CreateSignature

最近更新时间：2024-03-21 17:45:48

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create a signature for an image tag.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateSignature.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
RepositoryName	Yes	String	Repository name
ImageVersion	Yes	String	Tag name

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an image signature

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateSignature
<Common request parameters>

{
  "NamespaceName": "library",
  "RepositoryName": "nginx",
  "RegistryId": "tcr-okmju7",
  "ImageVersion": "v1.2.0"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2ac430cd-f7de-482e-b98e-f78a48e785e8"
  }
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.OperationCancel	The operation is canceled.
InternalServerError	Internal error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnsupportedOperation	Unsupported operation

Custom Account APIs

CreateServiceAccount

最近更新时间：2024-03-21 17:45:50

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create a service level account.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateServiceAccount.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Name	Yes	String	Service account name
Permissions.N	Yes	Array of Permission	Policy list
Description	No	String	Service account description

Duration	No	Integer	Validity in days starting from the current day. It takes a higher priority than <code>ExpiresAt</code> .
ExpiresAt	No	Integer	Expiry time (timestamp, in milliseconds)
Disable	No	Boolean	Whether to disable the service account

3. Output Parameters

Parameter Name	Type	Description
Name	String	Service account name (the prefix <code>tcr\$</code> is automatically added)
Password	String	Service account password, which is displayed only once
ExpiresAt	Integer	Expiry time of the service account (timestamp)
CreateTime	Timestamp ISO8601	Creation time of the service account
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a service account with specified `Duration`

This example shows you how to create a service account with the specified `Duration` .

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateServiceAccount
<Common request parameters>

{
  "RegistryId": "tcr-45uu7ras",
  "Name": "test",
```

```
"Description": "for test",
"Duration": 10,
"Permissions": [
{
"Resource": "test",
"Actions": [
"tcr:PullRepository",
"tcr:PushRepository",
"tcr:CreateRepository"
]
}
]
}
```

Output Example

```
{
"Response": {
"CreateTime": "2023-03-28T15:48:31+08:00",
"ExpiresAt": 1680853711137,
"Name": "tcr$test",
"Password": "oNKUtqrB5Eb68JufkVanSwuhmC4Ergn7",
"RequestId": "20b67612-28a0-4c51-8efb-0fe14bc23a64"
}
}
```

Example2 Creating a service account

This example shows you how to create a service account.

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateServiceAccount
<Common request parameters>

{
"RegistryId": "abc",
"Name": "abc",
"Description": "abc",
"Duration": 0,
"ExpiresAt": 0,
"Disable": true,
"Permissions": [
```

```
{
  "Resource": "abc",
  "Actions": [
    "abc"
  ]
}
```

Output Example

```
{
  "Response": {
    "Name": "tcr$abc",
    "Password": "abc",
    "ExpiresAt": 0,
    "CreateTime": "2020-09-22T00:00:00+00:00",
    "RequestId": "abc"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.DbError	Database error
InvalidParameter	Parameter error. Please check and try again.
OperationDenied	Operation denied.
OperationDenied.QuotaOverLimit	Reached the upper limit of quota.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteServiceAccount

最近更新时间：2024-03-21 17:45:50

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a service account.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteServiceAccount.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Name	Yes	String	Service account name

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

4. Example

Example1 Deleting a service account

This example shows you how to delete a service account.

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteServiceAccount
<Common request parameters>

{
  "RegistryId": "abc",
  "Name": "abc"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "abc"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)

- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.DbError	Database error
InvalidParameter	Parameter error. Please check and try again.
OperationDenied	Operation denied.
UnknownParameter	Unknown parameter error. Please check and try again.

ModifyServiceAccount

最近更新时间：2024-03-21 17:45:49

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update a service account.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyServiceAccount.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Name	Yes	String	Service account name
Description	No	String	Service account description
Duration	No	Integer	Validity in days starting from the current day, It takes a higher priority than <code>ExpiresAt</code> .
ExpiresAt	No	Integer	Expiry time (timestamp, in milliseconds)

Disable	No	Boolean	Whether to disable the service account
Permissions.N	No	Array of Permission	Policy list

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Updating a service account

This example shows you how to update a service account.

Input Example

```

POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyServiceAccount
<Common request parameters>

{
  "RegistryId": "abc",
  "Name": "abc",
  "Description": "abc",
  "Duration": 0,
  "ExpiresAt": 0,
  "Disable": true,
  "Permissions": [
    {
      "Resource": "abc",
      "Actions": [
        "abc"
      ]
    }
  ]
}
    
```

```
]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "abc"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.DbError	Database error

InvalidParameter	Parameter error. Please check and try again.
OperationDenied	Operation denied.
UnknownParameter	Unknown parameter error. Please check and try again.

ModifyServiceAccountPassword

最近更新时间：2024-03-21 17:45:49

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update the password for a service level account.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyServiceAccountPassword.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID.
Name	Yes	String	Service level account name.
Random	Yes	Boolean	Whether to randomly generate a password.
Password	No	String	Service level account password, 8 to 20 characters, contains at least one uppercase letter, one lowercase letter, and one number.

3. Output Parameters

Parameter Name	Type	Description
Password	String	Custom user password, displayed only once. Please make sure to retain it securely.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Customizing Service Level Account Password

This example shows you how to customize service level account password.

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyServiceAccountPassword
<Common request parameters>

{
  "RegistryId": "tcr-gijwqid7",
  "Name": "robot",
  "Random": false,
  "Password": "NewPass123"
}
```

Output Example

```
{
  "Response": {
    "Password": "NewPass123",
    "RequestId": "8c63b1e6-02b8-48af-94c2-416aa71e0c12"
  }
}
```

Example2 Resetting Service Level Account Password

This example shows you how to reset service level account password.

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyServiceAccountPassword
<Common request parameters>

{
  "RegistryId": "tcr-gijwqid7",
  "Name": "robot",
  "Random": true
}
```

Output Example

```
{
  "Response": {
    "Password": "kukui1ECDL8kr9cm6W66Me8PlhHemFmC",
    "RequestId": "60e7d0ce-c8ed-4495-9814-9397482f0d4a"
  }
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.DbError	Database error
InvalidParameter	Parameter error. Please check and try again.
OperationDenied	Operation denied.
UnknownParameter	Unknown parameter error. Please check and try again.

DescribeServiceAccounts

最近更新时间：2024-03-21 17:45:49

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query service accounts.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeServiceAccounts.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
All	No	Boolean	All service accounts
EmbedPermission	No	Boolean	Whether to fill in permission information.
Filters.N	No	Array of Filter	Filters
Offset	No	Integer	Offset. Default value: <input type="text" value="0"/>

Limit	No	Integer	Maximum number of output entries. Default value: <code>20</code> . Maximum value: <code>100</code> . The maximum value is automatically applied when a value exceeding it is entered.
-------	----	---------	--

3. Output Parameters

Parameter Name	Type	Description
ServiceAccounts	Array of ServiceAccount	List of service accounts Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
TotalCount	Integer	Number of service level accounts.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying Service Level Accounts

This example shows you how to query service level accounts.

Input Example

```
POST / HTTP/1.1Host: tcr.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: DescribeServiceAccounts<Common request parameters>

{
  "RegistryId": "abc",
  "All": true,
  "EmbedPermission": true,
  "Filters": [
    {
      "Name": "abc",
      "Values": [
        "abc"
      ]
    }
  ]
}
```

```
],  
  "Offset": 0,  
  "Limit": 0  
}
```

Output Example

```
{  
  "Response": {  
    "ServiceAccounts": [  
      {  
        "Name": "abc",  
        "Description": "abc",  
        "Disable": true,  
        "ExpiresAt": 0,  
        "CreateTime": "2020-09-22T00:00:00+00:00",  
        "UpdateTime": "2020-09-22T00:00:00+00:00",  
        "Permissions": [  
          {  
            "Resource": "abc",  
            "Actions": [  
              "abc"  
            ]  
          }  
        ]  
      }  
    ],  
    "TotalCount": 0,  
    "RequestId": "abc"  
  }  
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
FailedOperation.DbError	Database error
InvalidParameter	Parameter error. Please check and try again.
OperationDenied	Operation denied.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

Trigger APIs

ModifyWebhookTrigger

最近更新时间：2024-03-21 17:45:30

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update a trigger.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyWebhookTrigger.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Trigger	Yes	WebhookTrigger	Trigger parameter
Namespace	Yes	String	Namespace

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Updating a trigger

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifyWebhookTrigger
&<Common request parameters>
&RegistryId=tcr-7s2d14fn
&Namespace=someNs
&Trigger.Id=9
&Trigger.Enabled=false
&Trigger.Targets.0.Address=abc.local
&Trigger.EventTypes.0=pullImage
```

Output Example

```
{
  "Response": {
    "RequestId": "3c33da0e-5a85-4fdc-841c-5ca47454a117"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.

DescribeWebhookTriggerLog

最近更新时间：2024-03-21 17:45:30

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to get trigger logs.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeWebhookTriggerLog.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Namespace	Yes	String	Namespace
Id	No	Integer	Trigger ID
Limit	No	Integer	Number of entries per page
Offset	No	Integer	Pagination offset

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number
Logs	Array of WebhookTriggerLog	List of logs
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying trigger logs

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeWebhookTriggerLog
&<Common request parameters>
&RegistryId=tcr-ak9876
&Namespace=someNs
&Id=9
```

Output Example

```
{
  "Response": {
    "RequestId": "be17f554-32fd-451c-a1cd-64f9bd164e3f",
    "TotalCount": 3,
    "Logs": [
      {
        "Id": 2,
        "TriggerId": 25,
        "EventType": "pushImage",
        "NotifyType": "http",
        "Status": "finished",
        "Detail": "{\"type\": \"pushImage\", \"occur_at\": 1586774843, \"event_data\": {\"resources\": [{\"digest\": \"sha256:7ac7819e1523911399b798309025935a9968b277d86d50e5255465d6592c0266\"}, {\"tag\": \"v1\", \"resource_url\": \"wcctest.tencentcloudcr.com/nginx
```

```
x/nginx:v1"}],{"repository":{"date_created":1586777885,"name":"nginx","namespace":"nginx","repo_full_name":"nginx/nginx","repo_type":"public"}},{"operator":"3211064422"},"CreationTime": "2020-04-14T02:47:23.177329+08:00","UpdateTime": "2020-04-14T02:47:24.244664+08:00"}
]
}
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.

InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.

DescribeWebhookTrigger

最近更新时间：2024-03-21 17:45:30

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query triggers.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeWebhookTrigger.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Limit	No	Integer	Number of entries per page
Offset	No	Integer	Pagination offset
Namespace	No	String	Namespace

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of triggers
Triggers	Array of WebhookTrigger	List of triggers
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying triggers

Input Example

```
POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeWebhookTrigger
<Common request parameters>

{
  "Limit": "1",
  "Namespace": "someNs",
  "RegistryId": "tcr-7s2d14fn"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "d7549286-ffb6-486c-98b6-30a4001da260",
    "TotalCount": 130,
    "Triggers": [
      {
        "Id": 152,
        "Name": "someTrigger",
        "Description": "Trigger description",

```

```
"Targets": [
  {
    "Address": "http://httpbin.org/post",
    "Headers": [
      {
        "Key": "X-Header1",
        "Values": [
          "abc"
        ]
      }
    ]
  },
  {
    "EventTypes": [
      "pullImage"
    ],
    "Enabled": true,
    "Condition": ".*"
  }
]
```

5. Developer Resources

SDK

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Command Line Interface

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6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.

DeleteWebhookTrigger

最近更新时间：2024-03-21 17:45:31

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a trigger.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteWebhookTrigger.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Namespace	Yes	String	Namespace
Id	Yes	Integer	Trigger ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a trigger

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteWebhookTrigger
&<Common request parameters>
&RegistryId=tcr-ak9876
&Namespace=someNs
&Id=11
```

Output Example

```
{
  "Response": {
    "RequestId": "7c978e73-b752-422c-880d-c074a45b4b58"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)

- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.

CreateWebhookTrigger

最近更新时间：2024-03-21 17:45:31

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create a trigger.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateWebhookTrigger.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Trigger	Yes	WebhookTrigger	Trigger parameter
Namespace	Yes	String	Namespace

3. Output Parameters

Parameter Name	Type	Description
Trigger	WebhookTrigger	Newly created trigger
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a trigger

This example shows you how to create a trigger.

Input Example

```

POST / HTTP/1.1
Host: tcr.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateWebhookTrigger
<Common request parameters>

{
  "Namespace": "someNs",
  "Trigger": {
    "Name": "sometrigger",
    "Enabled": "true",
    "EventTypes": [
      "pullImage"
    ],
    "Targets": [
      {
        "Headers": [
          {
            "Values": [
              "abc"
            ],
            "Key": "X-Custom-Header"
          }
        ],
        "Address": "http://httpbin.org/post"
      }
    ],
    "Condition": ".*",

```

```
"Description": "Trigger description"
},
"RegistryId": "tcr-7s2d14fn"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "6942d117-55bb-4aad-9ed0-af8fd4664402",
    "Trigger": {
      "Id": 20,
      "Name": "sometrigger",
      "NamespaceId": 30,
      "Description": "Trigger description",
      "Targets": [
        {
          "Address": "http://httpbin.org/post",
          "Headers": [
            {
              "Key": "X-Custom-Header",
              "Values": [
                "abc"
              ]
            }
          ]
        }
      ],
      "EventTypes": [
        "pullImage"
      ],
      "Enabled": true,
      "Condition": ".*"
    }
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.

Instance Synchronization APIs

DescribeReplicationInstances

最近更新时间：2024-03-21 17:45:37

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the list of replication instances.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeReplicationInstances.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Offset	No	Integer	Offset. Default value: 0
Limit	No	Integer	Maximum number of output entries. Default value: 20, maximum value: 100.

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of instances
ReplicationRegistries	Array of ReplicationRegistry	Replication instance list Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the list of replication instances

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeReplicationInstances
&RegistryId=tcr-12345
&Offset=0
&Limit=10
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "76e69894-670f-4440-8773-075763fbdb80",
    "TotalCount": 1,
    "ReplicationRegistries": [
      {
        "RegistryId": "tcr-06d62e1r",
        "ReplicationRegistryId": "tcr-06d62e1r-5",
        "ReplicationRegionId": 5,
        "ReplicationRegionName": "ap-hongkong",
        "Status": "Running",
        "CreatedAt": "2020-09-28T15:34:59+08:00"
      }
    ]
  }
}
```



```
}  
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceInsufficient.ErrorInstanceNotRunning	Exceptional instance status.
UnauthorizedOperation	The operation is unauthorized.

UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeReplicationInstanceCreateTasks

最近更新时间：2024-03-21 17:45:38

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the task status of creating a replication instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeReplicationInstanceCreateTasks.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
ReplicationRegistryId	Yes	String	Replication instance ID
ReplicationRegionId	Yes	Integer	Region ID of the replication instance

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

TaskDetail	Array of TaskDetail	Task details
Status	String	Overall task status
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the task status of creating a replication instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeReplicationInstanceCreateTasks
&ReplicationRegistryId=tcr-ak9876-5
&ReplicationRegionId=5
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TaskDetail": [
      {
        "TaskName": "SyncMasterDBTask",
        "TaskUUID": "tcr-task-3765025c-b063-4d38-be45-52e47b2c5795",
        "TaskStatus": "SUCCESS",
        "TaskMessage": "",
        "CreatedTime": "xx",
        "FinishedTime": "xx"
      },
      {
        "TaskName": "SyncMasterBucketTask",
        "TaskUUID": "tcr-task-d008eec3-c6a0-41b1-b171-409e06fff024",
        "TaskStatus": "SUCCESS",
        "TaskMessage": "",
        "CreatedTime": "xx",
        "FinishedTime": "xx"
      },
      {
        "TaskName": "CreateTcrCrdTask",
        "TaskUUID": "tcr-task-335e5a7b-b3e4-49ff-b4c3-9f81a6afac0d",
```

```
"TaskStatus": "SUCCESS",
"TaskMessage": "",
"CreatedTime": "xx",
"FinishedTime": "xx"
},
"Status": "SUCCESS",
"RequestId": "5c497866-b88c-48c8-895d-0aba37109640"
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.

MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

ManageReplication

最近更新时间：2024-03-21 17:45:37

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to manage the instance synchronization rule.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ManageReplication.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
SourceRegistryId	Yes	String	Source instance ID
DestinationRegistryId	Yes	String	Destination instance ID
Rule	Yes	ReplicationRule	Synchronization rule
Description	No	String	Rule description
DestinationRegionId	No	Integer	Region ID of the destination instance. For

			example, 1 represents Guangzhou
PeerReplicationOption	No	PeerReplicationOption	Configuration of the synchronization rule

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating an instance synchronization rule

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ManageReplication
&SourceRegistryId=tcr-xxx
&DestinationRegistryId=tcr-yyy
&DestinationRegionId=9
&Rule.Override=true
&Rule.DestNamespace=test
&Rule.Name=test
&Rule.Filters.0.Type=tag
&Rule.Filters.0.Value=test
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

Example2 Creating a synchronization rule for instances under different Tencent Cloud root accounts

This example shows you how to create a synchronization rule between instances under different Tencent Cloud root accounts.

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ManageReplication
&SourceRegistryId=tcr-3498
&DestinationRegistryId=tcr-98676
&DestinationRegionId=9
&Rule.Override=true
&Rule.DestNamespace=test
&Rule.Name=test
&Rule.Filters.0.Type=tag
&Rule.Filters.0.Value=test
&PeerReplicationOption.EnablePeerReplication=true
&PeerReplicationOption.PeerRegistryUin=113498
&PeerReplicationOption.PeerRegistryToken=xxx
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CreateReplicationInstance

最近更新时间：2024-03-21 17:45:38

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create a replication instance.

A maximum of 1 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateReplicationInstance.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Master instance ID
ReplicationRegionId	No	Integer	Region ID of the replication instance
ReplicationRegionName	No	String	Region name of the replication instance
SyncTag	No	Boolean	Whether to sync TCR cloud tags to the COS Bucket

3. Output Parameters

Parameter Name	Type	Description
ReplicationRegistryId	String	Enterprise Registry Instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a replication instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateReplicationInstance
&RegistryId=tcr-12345
&ReplicationRegionId=5
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c8bf292d-38c7-49d9-8da3-737d08160cfc",
    "ReplicationRegistryId": "tcr-06d62e1r-5"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)

- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrConflict	Target conflicts.
InternalError.ErrNotExist	The target does not exist.
InternalError.ErrorConflict	The resource already exists.
InternalError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ReplicationExists	The replicated instance already exists.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeReplicationInstanceSyncStatus

最近更新时间：2024-03-21 17:45:37

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the synchronization status of a replication instance.

A maximum of 5 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeReplicationInstanceSyncStatus.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Master instance ID
ReplicationRegistryId	Yes	String	Replication instance ID
ReplicationRegionId	No	Integer	Region ID of the replication instance
ShowReplicationLog	No	Boolean	Whether to show the synchronization log
Offset	No	Integer	Page offset for log display. Default value: 0
Limit	No	Integer	Maximum number of output entries. Default value: 5,

maximum value: 20.

3. Output Parameters

Parameter Name	Type	Description
ReplicationStatus	String	Synchronization status
ReplicationTime	String	Synchronization completion time
ReplicationLog	ReplicationLog	Synchronization log Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the synchronization status of a replication instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeReplicationInstanceSyncStatus
&RegistryId=tcr-12345
&ReplicationRegistryId=tcr-12345-5
&ShowReplicationLog=true
&Offset=1
&Limit=10
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "ReplicationStatus": "Succeed",
    "ReplicationTime": "2021-09-28T08:00:15Z",
    "RequestId": "88b91f6a-2fbc-4d5d-9b2e-a9a4a273758d",
    "ReplicationLog": [
```

```
{
  "ResourceType": "image",
  "Source": "test/test:[1]",
  "Destination": "test/test:[1]",
  "Status": "Succeed",
  "StartTime": "2021-09-28T07:47:44.302804Z",
  "EndTime": "2021-09-28T07:47:53Z"
}
]
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Go](#)
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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.

InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteReplicationInstance

最近更新时间：2024-03-21 17:45:38

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a replica instance.

A maximum of 1 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteReplicationInstance.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
ReplicationRegistryId	Yes	String	Replica instance ID
ReplicationRegionId	Yes	Integer	Region ID of the replica instance

3. Output Parameters

--	--	--

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a replica instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteReplicationInstance
&RegistryId=tcr-12345
&ReplicationRegistryId=tcr-12345-5
&ReplicationRegionId=5
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "85d75c18-d98f-4dac-9425-73ea883d2bac"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)

- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InternalError.ErrorConflict	The resource already exists.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

Access Control APIs

ManageInternalEndpoint

最近更新时间：2024-03-21 17:45:51

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to manage VPC URLs for private network access to an instance.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ManageInternalEndpoint.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Operation	Yes	String	Create/Delete
VpcId	Yes	String	ID of the VPC to be connected to
SubnetId	Yes	String	ID of the subnet to be connected to

RegionId	No	Integer	ID of the requested region, which is used as the region of the replica instance
RegionName	No	String	Name of the requested region, which is used as the region of the replica instance

3. Output Parameters

Parameter Name	Type	Description
RegistryId	String	Instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Managing private network access

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ManageInternalEndpoint
&RegistryId=tcr-xxx
&RegionName=ap-beijing
&Operation=Create
&VpcId=xxx
&SubnetId=xxx
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryId": "XXXX",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	Operation failed
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceInsufficient.ErrorVpcDnsStatus	The VPC DNS resolution status is abnormal or the resolution is not deleted.

ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeInternalEndpoints

最近更新时间：2024-03-21 17:45:52

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the VPC URLs for private network access to an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeInternalEndpoints.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

AccessVpcSet	Array of AccessVpc	List of private network access addresses Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	Total number of private network access addresses
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Getting the list of private network access information

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeInternalEndpoints
&RegistryId=tcr-xxxx
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "AccessVpcSet": [],
    "TotalCount": 0,
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

ManageExternalEndpoint

最近更新时间：2024-03-21 17:45:51

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to manage the public network access of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ManageExternalEndpoint.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
Operation	Yes	String	Operation. Valid values: Create, Delete.

3. Output Parameters

Parameter	Type	Description
-----------	------	-------------

Name		
RegistryId	String	Instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Managing the public network access of an instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ManageExternalEndpoint
&RegistryId=xxx
&Operation=Create
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryId": "XXXX",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
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- [Tencent Cloud SDK 3.0 for Node.js](#)

- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeExternalEndpointStatus

最近更新时间：2024-03-21 17:45:52

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the public network access entry status of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeExternalEndpointStatus.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
----------------	------	-------------

Status	String	Public network access status. Valid values: Opening, Opened, Closed.
Reason	String	Reason Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the public network access entry status of an instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeExternalEndpointStatus
&RegistryId=tcr-12345
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "55d06f7c-c488-4910-8f67-8d7f77f0fe0f",
    "Status": "Opened",
    "Reason": ""
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Node.js](#)

- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.ErrorGetDBDataError	An error occurred while obtaining the database data.
FailedOperation.GetDBDataError	An error occurs while obtaining the database data.
FailedOperation.GetTcrClient	An error occurs while obtaining TcrClient.
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

ModifySecurityPolicy

最近更新时间：2024-03-21 17:45:50

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update the public network access allowlist of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifySecurityPolicy.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
PolicyIndex	Yes	Integer	PolicyId
CidrBlock	Yes	String	Allowed IP, such as <code>192.168.0.0/24</code>
Description	Yes	String	Remarks

3. Output Parameters

Parameter Name	Type	Description
RegistryId	String	Instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Updating the public network access allowlist of an instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifySecurityPolicy
&RegistryId=tcr-test123
&CidrBlock=192.168.0.0/24
&Description=test
&PolicyIndex=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryId": "tcr-test123",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeSecurityPolicies

最近更新时间：2024-03-21 17:45:51

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query the public network access allowlist policies of an instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeSecurityPolicies.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
SecurityPolicySet	Array of	Instance security policy group

	SecurityPolicy	Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Viewing instance security policies

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeSecurityPolicies
&RegistryId=tcr-test123
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "SecurityPolicySet": [
      {
        "PolicyIndex": 0,
        "CidrBlock": "127.0.0.1/24",
        "Description": "test",
        "PolicyVersion": "1"
      }
    ],
    "RequestId": "xx"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Go](#)
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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.ErrorGetDBDataError	An error occurred while obtaining the database data.
FailedOperation.GetDBDataError	An error occurs while obtaining the database data.
FailedOperation.GetSecurityPolicyFail	An error occurred while obtaining the security group policy.
FailedOperation.GetTcrClient	An error occurs while obtaining TcrClient.
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteSecurityPolicy

最近更新时间：2024-03-21 17:45:52

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a public network access allow policy.

Note: When both `PolicyIndex` and `CidrBlock` are specified, `CidrBlock` takes the higher priority

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteSecurityPolicy.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
PolicyIndex	No	Integer	Allowlist ID
PolicyVersion	No	String	Allowlist version
CidrBlock	No	String	IP range or IP address (mutually exclusive).

3. Output Parameters

Parameter Name	Type	Description
RegistryId	String	Instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a public network access allow policy

This example shows you how to delete a public network access allow policy of an instance.

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteSecurityPolicy
&RegistryId=tcr-test123
&PolicyIndex=1
&PolicyVersion=1
&CidrBlock=0.0.0.0/20
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryId": "tcr-test123",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteMultipleSecurityPolicy

最近更新时间：2024-03-21 17:45:53

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete multiple public network access allowlist policies of the instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteMultipleSecurityPolicy.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
SecurityGroupPolicySet.N	Yes	Array of SecurityPolicy	Security group policy

3. Output Parameters

--	--	--

Parameter Name	Type	Description
RegistryId	String	Instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting the public network access allowlist policies of the instance

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteMultipleSecurityPolicy
&RegistryId=tcr-test123
&SecurityGroupPolicySet.0.PolicyIndex=1
&SecurityGroupPolicySet.0.PolicyVersion=1
&SecurityGroupPolicySet.0.CidrBlock=127.0.0.1/24
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryId": "tcr-test123",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CreateMultipleSecurityPolicy

最近更新时间：2024-03-21 17:45:53

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create multiple public network access allowlist policies of the TCR instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateMultipleSecurityPolicy.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
SecurityGroupPolicySet.N	Yes	Array of SecurityPolicy	Security group policy

3. Output Parameters

--	--	--

Parameter Name	Type	Description
RegistryId	String	Instance ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Batch adding addresses to the access allowlist

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateMultipleSecurityPolicy
&RegistryId=tcr-12345
&SecurityGroupPolicySet.0.CidrBlock=192.168.0.0/24
&SecurityGroupPolicySet.0.Description=test
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RegistryId": "tcr-test123",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DependenceError	Dependency exception.
FailedOperation.ErrorGetDBDataError	An error occurred while obtaining the database data.
FailedOperation.GetDBDataError	An error occurs while obtaining the database data.
FailedOperation.GetTcrClient	An error occurs while obtaining TcrClient.
InternalError	Internal error. Please check and try again.
InternalError.DbError	Database error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
OperationDenied	Operation denied.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

Helm Chart APIs

DownloadHelmChart

最近更新时间：2024-03-21 17:45:48

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to download a Helm chart in TCR.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DownloadHelmChart.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace name
ChartName	Yes	String	Helm chart name
ChartVersion	Yes	String	Helm chart version

3. Output Parameters

Parameter Name	Type	Description
TmpToken	String	Temporary token
TmpSecretId	String	Temporary <code>secretId</code>
TmpSecretKey	String	Temporary <code>secretKey</code>
Bucket	String	Bucket information
Region	String	Instance ID
Path	String	Chart information
StartTime	Integer	Start timestamp
ExpiredTime	Integer	Token expiration timestamp
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Downloading a Helm chart

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DownloadHelmChart
&RegistryId=tcr-xxx
&NamespaceName=tcr-test
&ChartName=test
&ChartVersion=1.0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TmpToken": "XXXXX",
```

```
"TmpSecretId": "XXXX",
"TmpSecretKey": "XXXX",
"Bucket": "XXXX",
"Region": "XXXX",
"Path": "tcr-test/test-1.0.tgz",
"StartTime": "12345",
"ExpiredTime": "123456",
"RequestId": "eac6b301-a322-493a-8e36-83b295459397"
}
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
ResourceNotFound	The resource does not exist.

UnsupportedOperation	Unsupported operation
----------------------	-----------------------

DescribeChartDownloadInfo

最近更新时间：2024-03-21 17:45:48

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to return the chart download information in an Enterprise Edition instance.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeChartDownloadInfo.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Instance ID
NamespaceName	Yes	String	Namespace
ChartName	Yes	String	Chart name
ChartVersion	Yes	String	Chart version

3. Output Parameters

Parameter Name	Type	Description
PreSignedDownloadURL	String	Presigned URL for download
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying the download information of a chart

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeChartDownloadInfo
&RegistryId=tcr-test123
&NamespaceName=mytest
&ChartName=mytest
&ChartVersion=1.0
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "PreSignedDownloadURL": "http://tcr-mfoeec7x-1251707795.cos.ap-beijing.myqcloud.com/mytest%2Faaa-1.0.tgz?x-cos-security-token=crYJrPad4qVUuF1wM7B6ydE6fHmfC2Aa029f573e37399315f36f138a35d76483CzO4vdVHQC37m42wwxGV25f9eYVEMC1mwypgp3oLANGncOsZiRLHRQT39V32-e07uK5V1AyROprYScr7zhVl-y9HgVX8b1Q-48X0y_CebL2pLchYzWMBnn86lS9vQGBYAZyKnK8yHc20GuqbXjHuPeJUU6o7E9GIxmQnN2otJeVqkJRqAvl_7d1E-z3SoxKoXAc3mtv5_2LRJKzGelFW7T3kA6D9etVFfa4WY1c-qEHCrWky4V5Qcz6nLklYJTcHAWod-Z5jl1YD7OvTV_Tcs45myCHz_LufpxwXErAdvXcFhfNIP5NNWVTGHX0xXYf1Ta6O7XrivSy9Y7sHyKlD2_GFXIVfqJ_ngfW9NBjWf0&sign=q-sign-algorithm%3Dsha1%26q-ak%3DAKIDwgeCmMrZak-ZNXGoGgRm04pnzUHahzQPZvSqc1o7F1cMQ53q0RfOCImKR3McEgfd%26q-sign-time%3D1620704774%3B1620708374%26q-key-time%3D1620704774%3B1620708374%26q-header-list%3Dhost%26q-url-param-list%3Dx-cos-security-token%26q-signature%3D6a17a10308b9ead591bee149665b469756dd6711",
    "RequestId": "eac6b301-a322-493a-8e36-83b295459397"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InvalidParameter	Parameter error. Please check and try again.
ResourceNotFound	The resource does not exist.
UnsupportedOperation	Unsupported operation

Tag Retention APIs

ModifyTagRetentionRule

最近更新时间：2024-03-21 17:45:31

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to update a tag retention rule.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyTagRetentionRule.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
NamespaceId	Yes	Integer	ID of the original namespace
RetentionRule	Yes	RetentionRule	Retention policy
CronSetting	Yes	String	Original execution cycle

RetentionId	Yes	Integer	Rule ID
Disabled	No	Boolean	Whether to disable the rule

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Updating a tag retention rule

Input Example

```
https://tcr.tencentcloudapi.com/?Action=ModifyTagRetentionRule
&RegistryId=tcr-12345
&RetentionId=1
&NamespaceId=1
&CronSetting=weekly
&RetentionRule.Key=latestPushedK
&RetentionRule.Value=20
&Disabled=true
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c8bf292d-38c7-49d9-8da3-737d08160cfc"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.

UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeTagRetentionRules

最近更新时间：2024-03-21 17:45:31

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query tag retention rules.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeTagRetentionRules.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
NamespaceName	No	String	Namespace name
Limit	No	Integer	<code>PageSize</code> for pagination
Offset	No	Integer	Page offset

3. Output Parameters

Parameter Name	Type	Description
RetentionPolicyList	Array of RetentionPolicy	List of tag retention policies
TotalCount	Integer	Total number of tag retention policies
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying tag retention rules

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeTagRetentionRules
&RegistryId=tcr-12345
&NamespaceName=test
&Limit=20
&Offset=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c7abb9f2-9440-43ea-a12f-ae58875acf3d",
    "RetentionPolicyList": [
      {
        "NextExecutionTime": "xx",
        "RetentionId": 1,
        "NamespaceName": "aaaa",
        "RetentionRuleList": [
          {
            "Key": "latestPushedK",
            "Value": 10
          }
        ],
        "CronSetting": "weekly",
        "Disabled": false
      }
    ]
  }
}
```

```
],  
  "totalCount": 0  
}  
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.EmptyCoreBody	A null is returned for <code>Core</code> .
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.

InternalError.ErrorOverLimit	The resource quota is exceeded.
InternalError.ErrorTcrInternal	Internal error with the TCR instance.
InternalError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeTagRetentionExecutionTask

最近更新时间：2024-03-21 17:45:32

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query tag retention execution tasks.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeTagRetentionExecutionTask.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
RetentionId	Yes	Integer	Rule ID
ExecutionId	Yes	Integer	Rule execution ID
Offset	No	Integer	Page offset
Limit	No	Integer	<code>PageSize</code> for pagination

3. Output Parameters

Parameter Name	Type	Description
RetentionTaskList	Array of RetentionTask	List of tag retention execution tasks
TotalCount	Integer	Total number of tag retention execution tasks
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying tag retention execution tasks

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeTagRetentionExecutionTask
&RegistryId=tcr-12345
&RetentionId=1
&ExecutionId=1
&Limit=20
&Offset=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "TotalCount": 1,
    "RetentionTaskList": [
      {
        "Status": "xx",
        "Total": 0,
        "Retained": 0,
        "TaskId": 0,
        "Repository": "xx",
        "ExecutionId": 0,
        "StartTime": "xx",
        "EndTime": "xx"
      }
    ]
  }
}
```

```
}  
],  
"RequestId": "xx"  
}  
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.

InternalError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DescribeTagRetentionExecution

最近更新时间：2024-03-21 17:45:32

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to query tag retention execution records.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeTagRetentionExecution.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
RetentionId	Yes	Integer	Rule ID
Limit	No	Integer	<code>PageSize</code> for pagination
Offset	No	Integer	Page offset

3. Output Parameters

Parameter Name	Type	Description
RetentionExecutionList	Array of RetentionExecution	List of tag retention execution records
TotalCount	Integer	Total number of tag retention execution records
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Querying tag retention execution records

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DescribeTagRetentionExecution
&RegistryId=tcr-12345
&RetentionId=1
&Limit=20
&Offset=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "023eef7f-cf03-4e4a-b7bb-de7d66aa6fbc",
    "RetentionExecutionList": [
      {
        "ExecutionId": 1,
        "RetentionId": 1,
        "StartTime": "2021-04-12T10:49:20Z",
        "EndTime": "2021-04-12T10:49:20Z",
        "Status": "Succeed"
      }
    ],
    "TotalCount": 1
  }
}
```

```
}  
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.

InvalidParameter.ErrorCodeInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

DeleteTagRetentionRule

最近更新时间：2024-03-21 17:45:32

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to delete a tag retention rule.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteTagRetentionRule.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
RetentionId	Yes	Integer	Tag retention rule ID

3. Output Parameters

Parameter	Type	Description
-----------	------	-------------

Name		
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Deleting a tag retention rule

Input Example

```
https://tcr.tencentcloudapi.com/?Action=DeleteTagRetentionRule
&RegistryId=tcr-12345
&RetentionId=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c8bf292d-38c7-49d9-8da3-737d08160cfc"
  }
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CreateTagRetentionRule

最近更新时间：2024-03-21 17:45:33

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to create a tag retention rule.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateTagRetentionRule.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
NamespaceId	Yes	Integer	Namespace ID
RetentionRule	Yes	RetentionRule	Retention policy
CronSetting	Yes	String	Execution cycle. Valid values: manual, daily, weekly, monthly.
Disabled	No	Boolean	Whether to disable the rule. Default value: false.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Creating a tag retention rule

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateTagRetentionRule
&RegistryId=tcr-12345
&NamespaceId=1
&CronSetting=weekly
&RetentionRule.Key=latestPushedK
&RetentionRule.Value=20
&Disabled=true
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c8bf292d-38c7-49d9-8da3-737d08160cfc"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InvalidParameter	Parameter error. Please check and try again.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

CreateTagRetentionExecution

最近更新时间：2024-03-21 17:45:33

1. API Description

Domain name for API request: tcr.tencentcloudapi.com.

This API is used to execute tag retention manually.

A maximum of 2 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateTagRetentionExecution.
Version	Yes	String	Common Params . The value used for this API: 2019-09-24.
Region	Yes	String	Common Params . For more information, please see the list of regions supported by the product.
RegistryId	Yes	String	Primary instance ID
RetentionId	Yes	Integer	Tag retention rule ID
DryRun	No	Boolean	Whether the execution is simulated. Default value: false (not simulated)

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

4. Example

Example1 Executing tag retention manually

Input Example

```
https://tcr.tencentcloudapi.com/?Action=CreateTagRetentionExecution
&RegistryId=tcr-12345
&RetentionId=1
&DryRun=false
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "RequestId": "c8bf292d-38c7-49d9-8da3-737d08160cfc"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for Node.js](#)
- [Tencent Cloud SDK 3.0 for .NET](#)

- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InternalServerError	Internal error. Please check and try again.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InvalidParameter	Parameter error. Please check and try again.
MissingParameter	Missing parameters. Please check and try again.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	The operation is unauthorized.
UnknownParameter	Unknown parameter error. Please check and try again.
UnsupportedOperation	Unsupported operation

Data Types

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AccessVpc

Private network access information

Used by actions: DescribeInternalEndpoints.

Name	Type	Description
VpcId	String	VPC ID
SubnetId	String	Subnet ID
Status	String	Private network access status
AccessIp	String	Private network access IP

CustomizedDomainInfo

Custom domain name information

Used by actions: DescribeInstanceCustomizedDomain.

Name	Type	Description
RegistryId	String	Instance ID
CertId	String	Certificate ID
DomainName	String	Domain name
Status	String	Domain name creation status. Valid values: SUCCESS, FAILURE, CREATING, DELETING.

Filter

Filter

Used by actions: DescribeInstances, DescribeNamespaces, DescribeServiceAccounts.

Name	Type	Required	Description
Name	String	Yes	Attribute name. If more than one filter exists, the logical relationship between these filters is <code>AND</code> .
Values	Array of String	Yes	Attribute value. If multiple values exist in one filter, the logical relationship between these values is <code>OR</code> .

GCJobInfo

GC execution information

Used by actions: DescribeGCJobs.

Name	Type	Description
ID	Integer	Job ID
JobStatus	String	Job status
CreationTime	String	Creation time
UpdateTime	String	Update time
Schedule	Schedule	Scheduling information

Header

Header KV

Used by actions: CreateWebhookTrigger, DescribeWebhookTrigger, ModifyWebhookTrigger.

Name	Type	Required	Description
Key	String	Yes	Header Key
Values	Array of String	Yes	Header Values

ImmutableTagRule

Tag immutability rule

Used by actions: CreateImmutableTagRules, DescribeImmutableTagRules, ModifyImmutableTagRules.

Name	Type	Required	Description
RepositoryPattern	String	Yes	Repository matching rule
TagPattern	String	Yes	Tag matching rule
RepositoryDecoration	String	Yes	repoMatches or repoExcludes
TagDecoration	String	Yes	matches or excludes
Disabled	Boolean	No	Disabling rule
RuleId	Integer	No	Rule ID
NsName	String	No	Namespace

KeyValueString

String key-value pair of a common parameter

Used by actions: DescribeNamespaces.

Name	Type	Required	Description
Key	String	Yes	Key
Value	String	Yes	Value

PeerReplicationOption

Parameters for cross-account synchronization

Used by actions: ManageReplication.

Name	Type	Required	Description
PeerRegistryUin	String	Yes	UIN of the destination instance
PeerRegistryToken	String	Yes	Permanent access Token for the destination instance

EnablePeerReplication	Boolean	Yes	Whether to enable cross-account synchronization
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Permission

Policy

Used by actions: CreateServiceAccount, DescribeServiceAccounts, ModifyServiceAccount.

Name	Type	Required	Description
Resource	String	Yes	Resource path. Valid value: <code>Namespace</code> Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Actions	Array of String	Yes	Actions. Currently only support: <code>tcr:PushRepository</code> , <code>tcr:PullRepository</code> , <code>tcr>CreateRepository</code> , <code>tcr>CreateHelmChart</code> , <code>tcr:DescribeHelmCharts</code> . Note: This field may return <code>null</code> , indicating that no valid value can be obtained.

Region

Region information

Used by actions: DescribeRegions.

Name	Type	Description
Alias	String	gz
RegionId	Integer	1
RegionName	String	ap-guangzhou
Status	String	alluser
Remark	String	remark
CreatedAt	Timestamp ISO8601	Creation time
UpdatedAt	Timestamp ISO8601	Update time
Id	Integer	id

Registry

Instance information structure

Used by actions: DescribeInstances.

Name	Type	Description
RegistryId	String	Instance ID
RegistryName	String	Instance name
RegistryType	String	Instance specification
Status	String	Instance status
PublicDomain	String	Public access URL of the instance
CreatedAt	Timestamp ISO8601	Instance creation time
RegionName	String	Region name
RegionId	Integer	Region ID
EnableAnonymous	Boolean	Whether to enable anonymity
TokenValidTime	Integer	Token validity period
InternalEndpoint	String	Internal access address of the instance
TagSpecification	TagSpecification	Cloud tag of the instance Note: This field may return null, indicating that no valid values can be obtained.
ExpiredAt	String	Instance expiration time (for prepayment) Note: This field may return null, indicating that no valid values can be obtained.
PayMod	Integer	Instance billing mode. Valid values: 0: Postpayment; 1: Prepayment. Note: This field may return null, indicating that no valid values can be obtained.
RenewFlag	Integer	Prepayment renewal flag. Valid values: 0: Manual renewal; 1: Auto-renewal; 2: No renewal and no notification. Note: This field may return null, indicating that no valid values can be obtained.

DeletionProtection	Boolean	Whether to enable instance deletion protection. false indicates it is not enabled.
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RegistryChargePrepaid

Instance prepayment mode

Used by actions: CreateInstance, RenewInstance.

Name	Type	Required	Description
Period	Integer	Yes	Instance purchase duration in months
RenewFlag	Integer	Yes	Auto-renewal flag. Valid values: 0: Manual renewal; 1: Auto-renewal; 2: No renewal and no notification.

RegistryCondition

Instance creation process

Used by actions: DescribeInstanceStatus.

Name	Type	Description
Type	String	Instance creation process type
Status	String	Instance creation process status
Reason	String	Reasons for transiting to the process Note: This field may return null, indicating that no valid values can be obtained.

RegistryStatus

Instance status

Used by actions: DescribeInstanceStatus.

Name	Type	Description
RegistryId	String	Instance ID
Status	String	Instance status

Conditions	Array of RegistryCondition	Additional status Note: This field may return null, indicating that no valid values can be obtained.
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ReplicationFilter

Synchronization rule filter

Used by actions: ManageReplication.

Name	Type	Required	Description
Type	String	Yes	Type (<code>name</code> , <code>tag</code> and <code>resource</code>)
Value	String	No	It is left blank by default

ReplicationLog

Synchronization log

Used by actions: DescribeReplicationInstanceSyncStatus.

Name	Type	Description
ResourceType	String	Resource type Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Source	String	Path of the source resource Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Destination	String	Path of the destination resource Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
Status	String	Synchronization status Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
StartTime	String	Start time Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
EndTime	String	End time Note: this field may return <code>null</code> , indicating that no valid values can be obtained.

ReplicationRegistry

ID of Enterprise Registry replication instance

Used by actions: DescribeReplicationInstances.

Name	Type	Description
RegistryId	String	Master instance ID
ReplicationRegistryId	String	Replication instance ID
ReplicationRegionId	Integer	Region ID of the replication instance
ReplicationRegionName	String	Region name of the replication instance
Status	String	Status of the replication instance
CreatedAt	String	Creation time

ReplicationRule

Synchronization rule

Used by actions: ManageReplication.

Name	Type	Required	Description
Name	String	Yes	Name of synchronization rule
DestNamespace	String	Yes	Destination namespace
Override	Boolean	Yes	Whether to override
Filters	Array of ReplicationFilter	Yes	Synchronization filters

RetentionExecution

Tag retention rule execution

Used by actions: DescribeTagRetentionExecution.

Name	Type	Description

ExecutionId	Integer	Execution ID
RetentionId	Integer	Rule ID
StartTime	String	Execution start time
EndTime	String	Execution end time
Status	String	Execution status. Valid values: Failed, Succeed, Stopped, InProgress.

RetentionPolicy

Tag retention policy

Used by actions: DescribeTagRetentionRules.

Name	Type	Description
RetentionId	Integer	Tag retention policy ID
NamespaceName	String	Namespace name
RetentionRuleList	Array of RetentionRule	List of rules
CronSetting	String	Regular execution mode
Disabled	Boolean	Whether to enable the rule
NextExecutionTime	String	The execution time of the next task based on the current time and <code>cronSetting</code> , which is for reference only

RetentionRule

Tag retention rule

Used by actions: CreateTagRetentionRule, DescribeTagRetentionRules, ModifyTagRetentionRule.

Name	Type	Required	Description
Key	String	Yes	Supported policy. Valid values: latestPushedK: Retain the latest specified number of pushed tags; nDaysSinceLastPush: Retain the tags pushed in the past specified number of days.

Value	Integer	Yes	Rule value
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RetentionTask

Rule of tag retention task execution

Used by actions: DescribeTagRetentionExecutionTask.

Name	Type	Description
TaskId	Integer	Task ID
ExecutionId	Integer	Rule execution ID
StartTime	String	Task start time
EndTime	String	Task end time
Status	String	Task execution status. Valid values: Failed, Succeed, Stopped, InProgress.
Total	Integer	Total number of tags
Retained	Integer	Number of retained tags
Repository	String	Application repository

Schedule

Job scheduling information

Used by actions: DescribeGCJobs.

Name	Type	Description
Type	String	Type. Valid values: Hourly, Daily, Weekly, Custom, Manual, Dryrun, None.

SecurityPolicy

Security policy

Used by actions: CreateMultipleSecurityPolicy, DeleteMultipleSecurityPolicy, DescribeSecurityPolicies.

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Name	Type	Required	Description
PolicyIndex	Integer	No	Policy index
Description	String	No	Remarks
CidrBlock	String	No	The public network IP address of the access source
PolicyVersion	String	No	The version of the security policy

ServiceAccount

Service account

Used by actions: DescribeServiceAccounts.

Name	Type	Required	Description
Name	String	No	Service account name Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Description	String	No	Description Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Disable	Boolean	No	Whether to disable Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
ExpiresAt	Integer	No	Expiry time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
CreateTime	Timestamp ISO8601	No	Creation time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
UpdateTime	Timestamp ISO8601	No	Update time Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
Permissions	Array of Permission	No	Policy Note: This field may return <code>null</code> , indicating that no valid values can be obtained.

Tag

Cloud tag

Used by actions: CreateImageAccelerationService, CreateInstance, CreateNamespace, DescribeInstances, DescribeNamespaces.

Name	Type	Required	Description
Key	String	Yes	Cloud tag key.Note: This field may return null, indicating that no valid value can be obtained.
Value	String	Yes	Cloud tag value.Note: This field may return null, indicating that no valid value can be obtained.

TagSpecification

Cloud tag

Used by actions: CreateImageAccelerationService, CreateInstance, CreateNamespace, DescribeInstances, DescribeNamespaces.

Name	Type	Required	Description
ResourceType	String	Yes	Default value: instance. Note: This field may return null, indicating that no valid values can be obtained.
Tags	Array of Tag	Yes	Cloud tag array Note: This field may return null, indicating that no valid values can be obtained.

TaskDetail

Task details

Used by actions: DescribeReplicationInstanceCreateTasks.

Name	Type	Description
TaskName	String	Task

TaskUUID	String	Task UUID
TaskStatus	String	Task status
TaskMessage	String	Task details Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
CreatedTime	String	Start time of the task
FinishedTime	String	End time of the task Note: this field may return <code>null</code> , indicating that no valid values can be obtained.

TcrImageInfo

Image information

Used by actions: DescribeImages.

Name	Type	Description
Digest	String	Hash value
Size	Integer	Image size in bytes
ImageVersion	String	Tag name
UpdateTime	String	Update time
Kind	String	Artifact type Note: This field may return null, indicating that no valid values can be obtained.
KmsSignature	String	KMS signature information Note: This field may return null, indicating that no valid values can be obtained.

TcrInstanceToken

Instance login token

Used by actions: DescribeInstanceToken.

Name	Type	Description
Id	String	Token ID

Desc	String	Token description
RegistryId	String	ID of the instance of the token
Enabled	Boolean	Token status
CreatedAt	Timestamp ISO8601	Token creation time
ExpiredAt	Integer	Token expiration timestamp

TcrNamespaceInfo

TCR namespace description

Used by actions: DescribeNamespaces.

Name	Type	Description
Name	String	Namespace name
CreationTime	Timestamp ISO8601	Creation time
Public	Boolean	Access level
NamespaceId	Integer	Namespace ID
TagSpecification	TagSpecification	Cloud tag of the instance Note: This field may return null, indicating that no valid values can be obtained.
Metadata	Array of KeyValueString	Namespace metadata Note: This field may return null, indicating that no valid values can be obtained.

TcrRepositoryInfo

TCR image repository information

Used by actions: DescribeRepositories.

Name	Type	Description
Name	String	Repository name

Namespace	String	Namespace name
CreationTime	String	Creation time, such as <code>2006-01-02 15:04:05.999999999 -0700 MST</code>
Public	Boolean	Whether to make public
Description	String	Detailed repository description Note: This field may return null, indicating that no valid values can be obtained.
BriefDescription	String	Brief description Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time, such as <code>2006-01-02 15:04:05.999999999 -0700 MST</code>

WebhookTarget

Trigger target

Used by actions: CreateWebhookTrigger, DescribeWebhookTrigger, ModifyWebhookTrigger.

Name	Type	Required	Description
Address	String	Yes	Target address
Headers	Array of Header	No	Custom headers

WebhookTrigger

Webhook trigger

Used by actions: CreateWebhookTrigger, DescribeWebhookTrigger, ModifyWebhookTrigger.

Name	Type	Required	Description
Name	String	Yes	Trigger name
Targets	Array of WebhookTarget	Yes	Trigger target
EventTypes	Array of String	Yes	Action to be triggered
Condition	String	Yes	Trigger rule
Enabled	Boolean	Yes	Whether to enable the trigger

Id	Integer	No	Trigger ID
Description	String	No	Trigger description
NamespaceId	Integer	No	ID of the namespace of the trigger

WebhookTriggerLog

Trigger log

Used by actions: DescribeWebhookTriggerLog.

Name	Type	Description
Id	Integer	Log ID
TriggerId	Integer	Trigger ID
EventType	String	Event type
NotifyType	String	Notification type
Detail	String	Details
CreationTime	String	Creation time
UpdateTime	String	Update time
Status	String	Status

Error Codes

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Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

```
{
  "Response": {
    "Error": {
      "Code": "AuthFailure.SignatureFailure",
      "Message": "The provided credentials could not be validated. Please check your signature is correct."
    },
    "RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
  }
}
```

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	<code>Authorization</code> in the request header is invalid.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	Key does not exist. Check if the key has been deleted or disabled in the console, and if not, check if the key is correctly entered. Note that whitespaces should not exist before or after the key.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes. Please

	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalServerError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
AuthFailure	CAM signature/authentication error
FailedOperation.DbError	Database error
FailedOperation.DependenceError	Dependency exception.
FailedOperation.EmptyCoreBody	A null is returned for <code>Core</code> .
FailedOperation.ErrorGetDBDataError	An error occurred while obtaining the database data.
FailedOperation.ErrorTcrInvalidMediaType	Invalid request header.
FailedOperation.ErrorTcrResourceConflict	TCR instance resource conflict.
FailedOperation.ErrorTcrUnauthorized	No permission for TCR operation.
FailedOperation.GetDBDataError	An error occurs while obtaining the database data.

FailedOperation.GetSecurityPolicyFail	An error occurred while obtaining the security group policy.
FailedOperation.GetTcrClient	An error occurs while obtaining TcrClient.
FailedOperation.OperationCancel	The operation is canceled.
FailedOperation.PreconditionFailed	Prerequisites not met.
FailedOperation.TradeFailed	The transaction failed.
FailedOperation.ValidateRegistryNameFail	Failed to verify the repository name.
FailedOperation.ValidateSupportedRegionFail	An error occurred while verifying available regions.
InternalServerError.DbError	Database error. Please check and try again.
InternalServerError.ErrConflict	Target conflicts.
InternalServerError.ErrNotExist	The target does not exist.
InternalServerError.ErrorConflict	The resource already exists.
InternalServerError.ErrorOverLimit	The resource quota is exceeded.
InternalServerError.ErrorTcrInternal	Internal error with the TCR instance.
InternalServerError.ErrorTcrInvalidMediaType	Invalid request header
InternalServerError.ErrorTcrResourceConflict	TCR instance resource conflict.
InternalServerError.ErrorTcrUnauthorized	No permission for TCR operation.
InternalServerError.Unknown	Unknown error.
InvalidParameter.ErrorNameExists	The instance name already exists.
InvalidParameter.ErrorNameIllegal	Invalid instance name.
InvalidParameter.ErrorNameReserved	The instance name is reserved.
InvalidParameter.ErrorRegistryName	Invalid instance name. Its format is incorrect or it has been reserved.
InvalidParameter.ErrorTagOverLimit	The instance can bind up to 10 Tencent Cloud tags.
InvalidParameter.ErrorTcrInvalidParameter	Invalid TCR request.
InvalidParameter.ReplicationExists	The replicated instance already exists.
InvalidParameter.UnsupportedRegion	Creating instance is not supported in this region.

OperationDenied	Operation denied.
OperationDenied.QuotaOverLimit	Reached the upper limit of quota.
ResourceInsufficient.ErrorInstanceNotRunning	Exceptional instance status.
ResourceInsufficient.ErrorVpcDnsStatus	The VPC DNS resolution status is abnormal or the resolution is not deleted.
ResourceNotFound.TcrResourceNotFound	The resource of the TCR instance was not found.