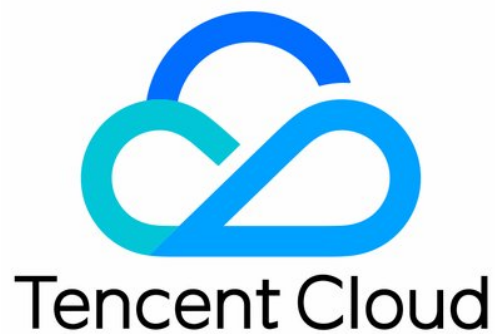


Real User Monitoring

API Documentation

Product Documentation



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Contents

API Documentation

History

Introduction

API Category

Making API Requests

Request Structure

Common Params

Signature v3

Signature

Responses

Console APIs

DescribeError

DescribeWhitelists

DescribeUvList

DescribeTawInstances

DescribeTawAreas

DescribeReleaseFiles

DescribeReleaseFileSign

DescribePvList

DescribeDataPvUrlInfo

DescribeDataLogUrlInfo

DescribeData

DeleteWhitelist

DeleteReleaseFile

CreateWhitelist

CreateReleaseFile

Log APIs

DescribeRumStatsLogList

DescribeRumLogList

DescribeRumGroupLog

DescribeRumLogExports

DescribeRumLogExport

Page View APIs

DescribeDataPvUrlStatistics

Page Performance APIs

DescribeDataPerformancePage

DescribeDataWebVitalsPage

DescribeDataSetUrlStatistics

Static Resource Monitoring APIs

DescribeDataStaticUrl

DescribeDataStaticResource

DescribeDataStaticProject

Custom Speed Test APIs

DescribeDataCustomUrl

Custom Event APIs

DescribeDataEventUrl

Exception Analysis APIs

DescribeDataLogUrlStatistics

Business System and Project Information APIs

ResumeProject

CreateProject

DescribeProjects

DescribeProjectLimits

DescribeScores

StopInstance

ResumeInstance

ModifyProjectLimit

ModifyProject

ModifyInstance

DescribeDataReportCount

DeleteStarProject

DeleteProject

DeleteInstance

CreateTawInstance

CreateStarProject

StopProject

API Monitoring APIs

DescribeDataFetchUrlInfo

DescribeDataFetchUrl

DescribeDataFetchProject

Data Types

Error Codes

API Documentation

History

Last updated : 2023-07-06 17:39:22

Release 12

Release time: 2023-07-06 17:03:04

Release updates:

Improvement to existing documentation.

Modified APIs:

- [CreateTawInstance](#)
 - New input parameters:InstanceType

Modified data structures:

- [RumProject](#)
 - New members:AccessPoint

Release 11

Release time: 2023-04-27 15:43:04

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeReleaseFileSign](#)
 - New input parameters:FileType

Release 10

Release time: 2023-02-27 16:43:20

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeRumLogExport](#)
- [DescribeRumLogExports](#)
- [ResumeProject](#)

Release 9

Release time: 2023-02-03 14:32:42

Release updates:

Improvement to existing documentation.

Modified data structures:

- [ScoreInfo](#)
 - New members:CreateTime

Release 8

Release time: 2023-01-31 15:47:45

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeRumGroupLog](#)
- [DescribeRumLogList](#)
- [DescribeRumStatsLogList](#)
- [StopProject](#)

Release 7

Release time: 2023-01-06 16:38:31

Release updates:

Improvement to existing documentation.

Modified APIs:

- [CreateTawInstance](#)
 - New output parameters:DealName

Release 6

Release time: 2022-12-29 14:41:36

Release updates:

Improvement to existing documentation.

Modified APIs:

- [CreateTawInstance](#)
 - New input parameters:ResourcePackageType, ResourcePackageNum
- [CreateWhitelist](#)
 - New output parameters:ID

Release 5

Release time: 2022-11-01 10:46:11

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DescribeDataFetchUrl](#)
 - New input parameters:NetStatus
- [DescribeDataPerformancePage](#)
 - New input parameters:NetStatus

Release 4

Release time: 2022-09-28 10:16:34

Release updates:

Improvement to existing documentation.

Modified data structures:

- [RumAreaInfo](#)
 - New members:AreaRegionID, AreaRegionCode, AreaAbbr

Release 3

Release time: 2022-08-03 19:44:51

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeProjects](#)
- [DescribeScores](#)

Modified APIs:

- [DescribeDataFetchProject](#)
 - New input parameters:Status, Ret
- [DescribeDataFetchUrl](#)
 - New input parameters:Status, Ret
- [DescribeDataSetUrlStatistics](#)
 - New input parameters:PackageType

New data structures:

- [Filter](#)
- [RumProject](#)
- [ScoreInfo](#)

Release 2

Release time: 2022-04-12 16:04:29

Release updates:

Improvement to existing documentation.

Deleted APIs:

- [DescribeProjects](#)
- [DescribeScores](#)
- [DescribeTawInstances](#)

Modified APIs:

- [CreateTawInstance](#)
 - New input parameters:BuyingChannel

Deleted data structures:

- Filter
- RumInstanceInfo
- RumProject
- ScoreInfo

Release 1

Release time: 2022-02-22 16:10:47

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateLogExport](#)
- [CreateOfflineLogConfig](#)
- [CreateProject](#)
- [CreateReleaseFile](#)
- [CreateStarProject](#)
- [CreateTawInstance](#)
- [CreateWhitelist](#)
- [DeleteInstance](#)
- [DeleteLogExport](#)
- [DeleteOfflineLogConfig](#)
- [DeleteOfflineLogRecord](#)
- [DeleteProject](#)
- [DeleteReleaseFile](#)
- [DeleteStarProject](#)
- [DeleteWhitelist](#)

- [DescribeData](#)
- [DescribeDataCustomUrl](#)
- [DescribeDataEventUrl](#)
- [DescribeDataFetchProject](#)
- [DescribeDataFetchUrl](#)
- [DescribeDataFetchUrlInfo](#)
- [DescribeDataLogUrlInfo](#)
- [DescribeDataLogUrlStatistics](#)
- [DescribeDataPerformancePage](#)
- [DescribeDataPerformanceProject](#)
- [DescribeDataPvUrlInfo](#)
- [DescribeDataPvUrlStatistics](#)
- [DescribeDataReportCount](#)
- [DescribeDataSetUrlStatistics](#)
- [DescribeDataStaticProject](#)
- [DescribeDataStaticResource](#)
- [DescribeDataStaticUrl](#)
- [DescribeDataWebVitalsPage](#)
- [DescribeError](#)
- [DescribeLogExports](#)
- [DescribeLogList](#)
- [DescribeOfflineLogConfigs](#)
- [DescribeOfflineLogRecords](#)
- [DescribeOfflineLogs](#)
- [DescribeProjectLimits](#)
- [DescribeProjects](#)
- [DescribePvList](#)
- [DescribeReleaseFileSign](#)
- [DescribeReleaseFiles](#)
- [DescribeScores](#)
- [DescribeTawAreas](#)
- [DescribeTawInstances](#)
- [DescribeUvList](#)
- [DescribeWhitelists](#)
- [ModifyInstance](#)
- [ModifyProject](#)
- [ModifyProjectLimit](#)
- [ResumeInstance](#)

- [StopInstance](#)

New data structures:

- [Filter](#)
- [LogExport](#)
- [ProjectLimit](#)
- [ReleaseFile](#)
- [RumAreaInfo](#)
- [RumInstanceInfo](#)
- [RumProject](#)
- [RumPvInfo](#)
- [RumUvInfo](#)
- [ScoreInfo](#)
- [Tag](#)
- [Whitelist](#)

Introduction

Last updated : 2022-09-28 10:25:40

Tencent Cloud Real User Monitoring (RUM) is a one-stop solution for monitoring the performance of your web apps and mini programs. RUM gives you insights into the speed and performance of your user pages, APIs, and CDNs, and makes it easier to troubleshoot Javascript and Ajax related errors. It also integrates easily with Tencent Cloud Application Performance Management (APM) to provide complete end-to-end monitoring. Simply install the SDK to your page, perform a quick setup, and start monitoring the metrics that are important to your users.

You can use the APIs described in this document to perform operations such as reading the monitoring data. For more supported operations, see [API Overview](#)

Note:

- All Cloud Monitor (CM) APIs described here have been upgraded to API 3.0. New CM features will be updated here. We recommend that you use API 3.0.

API Category

Last updated : 2023-07-06 17:39:22

Console APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateOfflineLogConfig	Creates offline log listener	20
CreateReleaseFile	Creates release file record	20
CreateWhitelist	Creates allowlist	20
DeleteOfflineLogConfig	Deletes offline RUM log listener	20
DeleteOfflineLogRecord	Deletes offline log record	20
DeleteReleaseFile	Deletes release file	20
DeleteWhitelist	Deletes allowlist	20
DescribeData	Gets QueryData	20
DescribeDataLogUrlInfo	Gets dataloginfo information	20
DescribeDataPvUrlInfo	Gets PvUrlInfo information	20
DescribeError	Gets homepage error information	20
DescribeOfflineLogConfigs	Gets the configuration of set offline log listener	20
DescribeOfflineLogRecords	Get all (up to 100) offline records	20
DescribeOfflineLogs	Gets specified offline log	20
DescribePvList	Gets PV list	20
DescribeReleaseFiles	Gets the list of source maps of an application	20
DescribeTawAreas	Queries region information	20
DescribeUvList	Gets UV list	20

DescribeWhitelists	Gets allowlist list	20
DescribeReleaseFileSign	Gets temporary storage key	20

Log APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateLogExport	Creates log download task	20
DeleteLogExport	Deletes log download task	20
DescribeLogExports	Gets the list of log download tasks	20
DescribeLogList	Gets the log list (It has been deprecated. Use <code>DescribeRumLogList</code> instead.)	20
DescribeRumGroupLog	Gets RUM log aggregation information	20
DescribeRumLogExport	Exports the RUM log list	20
DescribeRumLogExports	Gets the list of exported RUM logs	20
DescribeRumLogList	Gets the RUM log list	20
DescribeRumStatsLogList	Gets the RUM log list every minute	20

Business System and Project Information APIs

API Name	Feature	Frequency Limit (maximum requests per second)
CreateProject	Creates a RUM application	20
CreateStarProject	Creates a starred application	20
DeleteInstance	Deletes a RUM business system	20
DeleteProject	Deletes a RUM application	20
DeleteStarProject	Deletes a starred application	20
DescribeDataReportCount	Gets the number of reported data entries	20

DescribeProjectLimits	Gets the sampling information of an application's reporting APIs	20
DescribeProjects	Gets the RUM application list	20
DescribeScores	Gets the list of homepage scores	20
ModifyInstance	Modifies a RUM business system	20
ModifyProject	Modifies the RUM application information	20
ModifyProjectLimit	Adds or modifies data reporting limit	20
ResumeInstance	Recovers the RUM application information	20
ResumeProject	Recovers an application	20
StopInstance	Stops a RUM business system	20
StopProject	Stops an application from reporting data	20
CreateTawInstance	Creates a RUM business system	20

Page Performance APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDataPerformancePage	Gets PerformancePage information	20
DescribeDataPerformanceProject	Gets the <code>PerformanceProject</code> information. This API has been deprecated. Use <code>DescribeDataPerformancePage</code> instead.	20
DescribeDataSetUrlStatistics	Gets DescribeDataSetUrlStatistics information	20
DescribeDataWebVitalsPage	Gets DescribeDataWebVitalsPage information	20

Custom Speed Test APIs

--	--	--

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDataCustomUrl	Gets DescribeDataCustomUrl information	20

Custom Event APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDataEventUrl	Gets DescribeDataEventUrl information	20

API Monitoring APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDataFetchProject	Gets the <code>DescribeDataFetchProject</code> information. This API has been deprecated. Use <code>DescribeDataFetchUrl</code> instead.	20
DescribeDataFetchUrl	Gets DescribeDataFetchUrl information	20
DescribeDataFetchUrlInfo	Gets DescribeDataFetchUrlInfo information	20

Exception Analysis APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDataLogUrlStatistics	Gets LogUrlStatistics information	20

Page View APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDataPvUrlStatistics	Gets DescribeDataPvUrlStatistics information	20

Static Resource Monitoring APIs

API Name	Feature	Frequency Limit (maximum requests per second)
DescribeDataStaticProject	Gets DescribeDataStaticProject information	20
DescribeDataStaticResource	Gets DescribeDataStaticResource information	20
DescribeDataStaticUrl	Gets DescribeDataStaticUrl information	20

Making API Requests

Request Structure

Last updated : 2023-02-27 16:45:57

1. Service Address

The API supports access from either a nearby region (at rum.tencentcloudapi.com) or a specified region (at rum.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 "rum.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)	rum.tencentcloudapi.com
South China (Guangzhou)	rum.ap-guangzhou.tencentcloudapi.com
East China (Shanghai)	rum.ap-shanghai.tencentcloudapi.com
North China (Beijing)	rum.ap-beijing.tencentcloudapi.com
Southwest China (Chengdu)	rum.ap-chengdu.tencentcloudapi.com
Southwest China (Chongqing)	rum.ap-chongqing.tencentcloudapi.com
Hong Kong, Macao, Taiwan (Hong Kong, China)	rum.ap-hongkong.tencentcloudapi.com
Southeast Asia (Singapore)	rum.ap-singapore.tencentcloudapi.com
Southeast Asia (Bangkok)	rum.ap-bangkok.tencentcloudapi.com

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

Last updated : 2022-02-23 16:00:33

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 related API 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 you 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. This parameter is not required for some APIs (which will be indicated in related API 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 is sent. For example, 1529223702. Note: If the difference between the UNIX timestamp and server time is greater than 5 minutes, a signature expiration error may occur.
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the common parameter <code>Version</code> in the API documentation. For example, the version is 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_request/Region, 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 the UNIX timestamp in 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.tencentcloud.com 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=37ac2f4fde00b0ac9bd9eadeb459b1bb224158d66e7ae5fcadb70b2d181d02&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=37ac2f4fde00b0ac9bd9eadeb459b1bbec224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```


Signature v3

Last updated : 2022-02-23 16:01:23

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	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>. 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.
CanonicalHeaders	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. Concatenation rules: - 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). The calculation result in this example is <code>content-type:application/json; charset=utf-8\nhost:cvm.tencentcloudapi.com\n</code>. 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.
SignedHeaders	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. Concatenation rules: - 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 (;). The value in this example is <code>content-type;host</code>
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 be the domain name of the product called. The calculation result in this example is <code>2018-05-25/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., <code>Gu5t9xGARNpq86cd98joQYCN3*****</code> .
Date	The Date field information in <code>Credential</code> , such as <code>2019-02-25</code> 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&InstanceId=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.utcfromtimestamp(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

Last updated : 2022-07-27 10:20:44

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();
$params["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;
$params["Offset"] = 0;
ksort($params);
$signStr = "GETcvm.tencentcloudapi.com/?";
foreach ( $params 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
```

```
// $param["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

Last updated : 2022-02-23 16:03:03

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.

Console APIs

DescribeError

Last updated : 2023-07-06 17:39:28

1. API Description

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

This API is used to get the homepage error 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: DescribeError.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
Date	Yes	String	Date
ID	Yes	Integer	Project ID

3. Output Parameters

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

Content	String	Content
ID	Integer	Project ID
CreateTime	String	Time
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting homepage error information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeError
&ID=1
&Date=20210520
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "ID": 1,
    "CreateTime": "20210520",
    "Content": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.

ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeWhitelists

Last updated : 2023-07-06 17:39:27

1. API Description

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

This API is used to get the list of allowlists.

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: DescribeWhitelists.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
WhitelistSet	Array of Whitelist	Allowlist list

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	--

4. Example

Example1 Getting allowlist list

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeWhitelists
&InstanceID=taw-123
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "WhitelistSet": [],
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeUvList

Last updated : 2023-07-06 17:39:27

1. API Description

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

This API is used to get the list of UVs under a project.

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: DescribeUvList.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectId	Yes	Integer	ID
EndTime	Yes	String	End time
StartTime	Yes	String	Start time
Dimension	No	String	Get day:d min:m

3. Output Parameters

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

Name		
ProjectUvSet	Array of RumUvInfo	UV list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting UV list

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeUvList
&ProjectId=1
&StartTime="1"
&EndTime="20"
&Dimension="d"
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "ProjectUvSet": [],
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.

ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeTawInstances

Last updated : 2022-02-23 15:56:54

1. API Description

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

This API is used to query 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](#).

This document describes the parameters for Signature V1. It's recommended to use the V3 signature, which provides higher security. Note that for Signature V3, the common parameters need to be placed in the HTTP Header. [See details](#).

Parameter Name	Required	Type	Description
Action	Yes	String	Common parameter. The value used for this API: DescribeTawInstances.
Version	Yes	String	Common parameter. The value used for this API: 2021-06-22.
Region	No	String	Common parameter. This parameter is not required for this API.
ChargeStatuses.N	No	Array of Integer	Billing status
ChargeTypes.N	No	Array of Integer	Billing type

Limit	No	Integer	Pagination limit
Offset	No	Integer	Pagination offset
AreaIds.N	No	Array of Integer	Region ID
InstanceStatuses.N	No	Array of Integer	Instance status (1: creating; 2: running; 3: exceptional; 4: restarting; 5: stopping; 6: stopped; 7: terminating; 8: terminated)
InstanceIds.N	No	Array of String	Instance ID
Filters.N	No	Array of Filter	Filter parameter

3. Output Parameters

Parameter Name	Type	Description
InstanceSet	Array of RumInstanceInfo	Instance list
TotalCount	Integer	Total number of instances
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying instance

Input Example

```
POST / HTTP/1.1
Host: rum.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeTawInstances
```

<Common request parameters>

```
{}
```

Output Example

```
{
  "Response": {
    "InstanceSet": [
      {
        "AreaId": "1",
        "ChargeStatus": 1,
        "ChargeType": 1,
        "ClusterId": "1",
        "CreatedAt": "2021-04-29 20:51:05",
        "DataRetentionDays": "30",
        "InstanceDesc": "",
        "InstanceId": "taw-VJ2mHDEb",
        "InstanceName": "test",
        "InstanceStatus": 2,
        "Tags": [],
        "UpdatedAt": "2021-04-29 20:51:05"
      },
      {
        "AreaId": "1",
        "ChargeStatus": 1,
        "ChargeType": 1,
        "ClusterId": "1",
        "CreatedAt": "2021-04-29 20:59:15",
        "DataRetentionDays": "30",
        "InstanceDesc": "",
        "InstanceId": "taw-mE08H4Ez",
        "InstanceName": "test",
        "InstanceStatus": 2,
        "Tags": [],
        "UpdatedAt": "2021-04-29 20:59:15"
      }
    ],
    "RequestId": "d356e035-ac3d-4237-add9-50a44c01dd39",
    "TotalCount": "2"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.

DescribeTawAreas

Last updated : 2023-07-06 17:39:27

1. API Description

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

This API is used to query region 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: DescribeTawAreas.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
AreaIds.N	No	Array of Integer	Region ID
AreaKeys.N	No	Array of String	Region key
Limit	No	Integer	Pagination limit
AreaStatuses.N	No	Array of Integer	Region status (1: valid; 2: invalid)

Offset	No	Integer	Pagination offset
--------	----	---------	-------------------

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of regions
AreaSet	Array of RumAreaInfo	Region list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying region

Input Example

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

{
  "AreaIds": [
    1
  ],
  "AreaStatuses": [
    1
  ],
  "Limit": 0,
  "Offset": 100
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 1,
    "AreaSet": [
      {
        "AreaId": 1,
        "AreaStatus": 1,
        "AreaName": "Chinese mainland",
        "AreaKey": "area_cn_dl"
      }
    ],
    "RequestId": "10f605a3-6480-4254-bbb7-7ca1ab6a133e"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [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	Error with CAM signature/authentication.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.

DescribeReleaseFiles

Last updated : 2023-04-27 15:44:49

1. API Description

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

This API is used to get the list of source maps of an application.

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: DescribeReleaseFiles.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectID	Yes	Integer	Project ID
FileVersion	No	String	File version

3. Output Parameters

Parameter Name	Type	Description

Files	Array of ReleaseFile	File information list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the list of source maps of an application

This example shows you how to get the list of source maps of an application

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeReleaseFiles
&ProjectID=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Files": [],
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.

ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeReleaseFileSign

Last updated : 2023-04-27 15:44:49

1. API Description

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

This API is used to get the temporary key for uploaded file storage.

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: DescribeReleaseFileSign.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
Timeout	No	Integer	Timeout period. If it is not set, it will be 5 minutes by default
FileType	No	Integer	Bucket type. Valid values: 1 : (Web, which is the default value), 2 (Application).

3. Output Parameters

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

Name		
SecretKey	String	Temporary key
SecretID	String	Temporary key ID
SessionToken	String	Temporary key token
StartTime	Integer	Start timestamp
ExpiredTime	Integer	Expiration timestamp
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Obtaining the temporary key

This example shows you how to obtain the temporary key.

Input Example

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

Output Example

```
{
  "Response": {
    "SecretKey": "dahfldaflndfdfdsf",
    "SecretID": "asdkadalsdlsafk",
    "SessionToken": "fds1kfjdkjfldsjfdfdf",
    "StartTime": 1232132132,
    "ExpiredTime": 123212143434,
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.

RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribePvList

Last updated : 2023-07-06 17:39:27

1. API Description

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

This API is used to get the list of PVs under a project.

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: DescribePvList.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectId	Yes	Integer	ID
EndTime	Yes	String	End time
StartTime	Yes	String	Start time
Dimension	No	String	Get day:d (leave this parameter empty if to get min)

3. Output Parameters

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

Name		
ProjectPvSet	Array of RumPvInfo	PV list Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting PV list

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribePvList
&ProjectId=1
&StartTime="1"
&EndTime="20"
&Dimension="d"
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "ProjectPvSet": [],
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.

ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataPvUrlInfo

Last updated : 2023-07-06 17:39:28

1. API Description

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

This API is used to get the PvUrlInfo 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: DescribeDataPvUrlInfo.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	Type
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID
ExtSecond	No	String	Custom 2
Engine	No	String	Browser engine

Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting PvUrlInfo information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataPvUrlInfo
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.

ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataLogUrlInfo

Last updated : 2023-07-06 17:39:28

1. API Description

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

This API is used to get the loginfo 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: DescribeDataLogUrlInfo.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ID	Yes	Integer	Project ID
StartTime	Yes	Integer	Timestamp
EndTime	Yes	Integer	Timestamp

3. Output Parameters

--	--	--

Parameter Name	Type	Description
Result	String	Response string
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting dataloginfo information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataLogUrlInfo
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.

ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeData

Last updated : 2023-07-06 17:39:28

1. API Description

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

This API is used to query the forwarding monitor.

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: DescribeData.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
Query	Yes	String	Query string
ID	Yes	Integer	Project ID

3. Output Parameters

Parameter Name	Type	Description
Result	String	Response string

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	--

4. Example

Example1 Getting QueryData

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeData
&ID=1
&Query="select delta(count) as allCount from pv_url_statistics where time >= 1621
240040s and time <= 1621243620s and id='1613' group by \"ext3\" slimit 1000"
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.

UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DeleteWhitelist

Last updated : 2023-07-06 17:39:29

1. API Description

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

This API is used to delete an allowlist.

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: DeleteWhitelist.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID
ID	Yes	String	List ID

3. Output Parameters

Parameter Name	Type	Description
Msg	String	Success message

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	--

4. Example

Example1 Deleting allowlist

Input Example

```
https://rum.tencentcloudapi.com/?Action=DeleteWhitelist
&ID=1
&InstanceID=taw-123
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Msg": "",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

UnsupportedOperation	Unsupported operation.
----------------------	------------------------

DeleteReleaseFile

Last updated : 2023-07-06 17:39:29

1. API Description

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

This API is used to delete the specified sourcemap file.

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: DeleteReleaseFile.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ID	Yes	Integer	File ID

3. Output Parameters

Parameter Name	Type	Description
Msg	String	Response string of the API request
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for

		locating a problem.
--	--	---------------------

4. Example

Example1 Deleting file record

Input Example

```
https://rum.tencentcloudapi.com/?Action=DeleteReleaseFile
&ID=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Msg": "success",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.

UnsupportedOperation	Unsupported operation.
----------------------	------------------------

CreateWhitelist

Last updated : 2023-07-06 17:39:30

1. API Description

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

This API is used to create an allowlist.

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: CreateWhitelist.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID, such as taw-123
Remark	Yes	String	Remarks
WhitelistUin	Yes	String	uin: business identifier
Aid	No	String	Business identifier

3. Output Parameters

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

Name		
Msg	String	Message
ID	Integer	Allowlist ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating an allowlist

Input Example

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

{
  "InstanceId": "taw-123",
  "Aid": "222",
  "Remark": "Remarks",
  "WhitelistUin": "1123"
}
```

Output Example

```
{
  "Response": {
    "Msg": "xx",
    "ID": 1,
    "RequestId": "xx"
  }
}
```

Example2 12

Input Example


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

```
{
  "InstanceID": "taw-123",
  "Aid": "333",
  "Remark": "222",
  "WhitelistUin": "22323"
}
```

Output Example

```
{
  "Response": {
    "ID": 77,
    "Msg": "success",
    "RequestId": "fcaec326-8c68-4302-8624-c5b08b9f1893"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

CreateReleaseFile

Last updated : 2023-07-06 17:39:30

1. API Description

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

This API is used to create a file record for the specified project.

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: CreateReleaseFile.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectID	Yes	Integer	Project ID
Files.N	Yes	Array of ReleaseFile	File information list

3. Output Parameters

Parameter Name	Type	Description
Msg	String	Call result
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating file record

Input Example

```
https://rum.tencentcloudapi.com/?Action=CreateReleaseFile
&ProjectID=1
&Files.0.Version='0.0.1'
&Files.0.FileName='a.js.map'
&Files.0.FileKey='1-0.0.1-a.js.map'
&Files.0.FileHash='sadjfhdkhfkdsjhg;'
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Msg": "success",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.

ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Log APIs

DescribeRumStatsLogList

Last updated : 2023-07-06 17:39:24

1. API Description

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

This API is used to get the list of logs in a project every minute.

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: DescribeRumStatsLogList.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	String	Start time (required)
Limit	Yes	Integer	The number of raw logs returned for a single query. This parameter is required. Maximum value: <code>100</code> .
Query	Yes	String	Query statement, which is required and can contain up to 4,096 characters.
EndTime	Yes	String	End time (required)

ID	Yes	Integer	Project ID (required)
----	-----	---------	-----------------------

3. Output Parameters

Parameter Name	Type	Description
Result	String	Response string
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the log list

Input Example

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

{
  "StartTime": "\"1\"",
  "Limit": "10",
  "Query": "\"xxx\"",
  "EndTime": "\"20\"",
  "ID": "10"
}
```

Output Example

```
{
  "Response": {
    "Result": "xxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```


Example2 1212

Input Example

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

{
  "Query": "1",
  "EndTime": "1",
  "Limit": "1",
  "ID": "1",
  "StartTime": "1"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "7987e9a1-cece-4468-b104-cd239f2f6cd6",
    "Result": ""
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.

UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeRumLogList

Last updated : 2023-07-06 17:39:24

1. API Description

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

This API is used to get the list of logs in a project (created by 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: DescribeRumLogList.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
OrderBy	Yes	String	Sorting order (required). Valid values: <code>desc</code> , <code>asc</code> .
StartTime	Yes	String	Start time in milliseconds. It is in timestamp format and is required.
Limit	Yes	Integer	The number of raw logs returned for a single query. This parameter is required. Maximum value: <code>100</code> .
Page	Yes	Integer	Page number
Query	Yes	String	Query statement, which is required and can contain up to 4,096 characters.

EndTime	Yes	String	End time in milliseconds. It is in timestamp format and is required.
ID	Yes	Integer	Project ID (required)

3. Output Parameters

Parameter Name	Type	Description
Result	String	Response string
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the log list

This example shows you how to get the log list.

Input Example

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

{
  "OrderBy": "desc",
  "ID": "120000",
  "Limit": "100",
  "StartTime": "1665994920000",
  "Query": "id:120000",
  "EndTime": "1673417492913",
  "Page": "1"
}
```

Output Example

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

```
"RequestId": "72ef03a0-01a8-443e-908a-8573fbeaafcd",  
"Result": ""  
}  
}
```

Example2 123

Input Example

```
POST / HTTP/1.1  
Host: rum.tencentcloudapi.com  
Content-Type: application/json  
X-TC-Action: DescribeRumLogList  
<Common request parameters>  
  
{  
  "OrderBy": "asc",  
  "ID": "4",  
  "Limit": "1",  
  "StartTime": "1676390400000",  
  "Query": "id:4",  
  "EndTime": "1676476799000",  
  "Page": "1"  
}
```

Output Example

```
{  
  "Response": {  
    "RequestId": "a6bafa2f-3f6a-4f1a-b9a3-d1d848d34168",  
    "Result": ""  
  }  
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.

ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeRumGroupLog

Last updated : 2023-07-06 17:39:25

1. API Description

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

This API is used to get the log aggregation information under a project.

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: DescribeRumGroupLog.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
OrderBy	Yes	String	Sorting order (required). Valid values: <code>desc</code> , <code>asc</code> .
StartTime	Yes	String	Start time (required)
Limit	Yes	Integer	The number of raw logs returned for a single query. This parameter is required. Maximum value: <code>100</code> .
Page	Yes	Integer	Page number
Query	Yes	String	Query statement, which is required and can contain up to 4,096 characters.

EndTime	Yes	String	End time (required)
ID	Yes	Integer	Project ID (required)
GroupField	Yes	String	Aggregate field

3. Output Parameters

Parameter Name	Type	Description
Result	String	Response string
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the log list

Input Example

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

{
  "OrderBy": "\"desc\"",
  "StartTime": "\"1\"",
  "Limit": "10",
  "Query": "\"xxx\"",
  "EndTime": "\"20\"",
  "ID": "10",
  "Page": "1",
  "GroupField": "xx"
}
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

Example2 2312

Input Example

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

```
{
  "OrderBy": "asc",
  "ID": "1",
  "Limit": "1",
  "GroupField": "",
  "StartTime": "1",
  "Query": "1",
  "EndTime": "1",
  "Page": "1"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "81a43a52-d00f-462a-82da-89841117f4ca",
    "Result": ""
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.

RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeRumLogExports

Last updated : 2023-07-06 17:39:25

1. API Description

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

This API is used to get the list of exported logs in a project.

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: DescribeRumLogExports.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
PageSize	Yes	Integer	Page size
PageNum	Yes	Integer	Page number
ID	Yes	Integer	Project ID (required)

3. Output Parameters

--	--	--

Parameter Name	Type	Description
Result	String	Response string
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the log list

Input Example

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

{
  "PageSize": "10",
  "ID": "10",
  "PageNum": "1"
}
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

Example2 xc

Input Example

```
POST / HTTP/1.1
Host: rum.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRumLogExports
```

<Common request parameters>

```
{
  "PageNum": "1",
  "ID": "1",
  "PageSize": "1"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "641faf00-efc4-46b5-b3ce-03383133dc08",
    "Result": ""
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeRumLogExport

Last updated : 2023-07-06 17:39:25

1. API Description

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

This API is used to get the list of logs in a project (created by 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: DescribeRumLogExport.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
Name	Yes	String	Export identifier name
StartTime	Yes	String	Start time (required)
Query	Yes	String	Query statement, which is required and can contain up to 4,096 characters.
EndTime	Yes	String	End time (required)
ID	Yes	Integer	Project ID (required)

Fields.N	No	Array of String	Filter field
----------	----	-----------------	--------------

3. Output Parameters

Parameter Name	Type	Description
Result	String	Response string
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the log list

Input Example

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

{
  "Name": "xx",
  "Fields": [
    "xx"
  ],
  "StartTime": "xx",
  "Query": "xx",
  "EndTime": "xx",
  "ID": 0
}
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
```

```
"RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
}
```

Example2 1212

Input Example

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

{
  "Query": "id:1",
  "EndTime": "1",
  "Name": "",
  "StartTime": "1665994920000",
  "ID": "1"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "763188d1-9f99-45e8-8bbf-bcdffa8f58f0",
    "Result": ""
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.

ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Page View APIs

DescribeDataPvUrlStatistics

Last updated : 2023-07-06 17:39:23

1. API Description

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

This API is used to get the DescribeDataPvUrlStatistics 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: DescribeDataPvUrlStatistics.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>allcount</code> ; performance view; <code>day</code> : 14-day data, <code>vp</code> : performance view; <code>nettype</code> / <code>version</code> / <code>platform</code> / <code>isp</code> / <code>region</code> / <code>device</code> / <code>network/platform</code> view; version view; device view; ISP view; region view; b
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID

ExtSecond	No	String	Custom 2
Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting DescribeDataPvUrlStatistics information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataPvUrlStatistics
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.

OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Page Performance APIs

DescribeDataPerformancePage

Last updated : 2023-07-06 17:39:24

1. API Description

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

This API is used to get the PerformancePage 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: DescribeDataPerformance
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ID	Yes	Integer	Project ID
StartTime	Yes	Integer	Start time
EndTime	Yes	Integer	End time
Type	Yes	String	<code>pagepv</code> : PV view; <code>allcount</code> : performance view; <code>falls</code> : page l <code>nettype</code> : network/platform view; <code>performance</code> : top underperform <code>version</code> / <code>platform</code> / <code>isp</code> / <code>region</code> / <code>device</code> / <code>browser</code> / version view; device view; ISP view; region view; browser view, and so on

Level	No	String	Log level
Isp	No	String	ISP
Area	No	String	Region
NetType	No	String	Network type
Platform	No	String	Platform
Device	No	String	Model
VersionNum	No	String	Version
ExtFirst	No	String	Custom 1
ExtSecond	No	String	Custom 2
ExtThird	No	String	Custom 3
IsAbroad	No	String	Whether it is outside the Chinese mainland
Browser	No	String	Browser
Os	No	String	OS
Engine	No	String	Browser engine
Brand	No	String	Brand
From	No	String	Source page
CostType	No	String	Duration calculation method
Env	No	String	Environment variable
NetStatus	No	String	Network status

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for

		locating a problem.
--	--	---------------------

4. Example

Example1 Getting PerformancePage information

Input Example

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

{
  "ExtSecond": "Custom 2",
  "Engine": "ie2",
  "IsAbroad": "1",
  "Area": "China",
  "NetType": "2",
  "Level": "1",
  "Os": "apple",
  "Brand": "apple",
  "Isp": "China Mobile",
  "VersionNum": "Version",
  "Platform": "2",
  "ExtThird": "Custom 3",
  "ExtFirst": "Custom 1",
  "StartTime": "1625444040",
  "Device": "Samsung",
  "From": "index.html",
  "EndTime": "1625454840",
  "Type": "pagepv",
  "ID": "1",
  "Browser": "ie"
}
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

```
}  
}
```

Example2 22

Input Example

```
POST / HTTP/1.1  
Host: rum.tencentcloudapi.com  
Content-Type: application/json  
X-TC-Action: DescribeDataPerformancePage  
<Common request parameters>  
  
{  
  "EndTime": "1658390700",  
  "Type": "allcount",  
  "ID": "1",  
  "StartTime": "1658304300"  
}
```

Output Example

```
{  
  "Response": {  
    "RequestId": "ddec0dc8-3268-4571-9ac0-566ae7537495",  
    "Result": "{ \"request_id\": \"ddec0dc8-3268-4571-9ac0-566ae7537495\", \"results\":  
    [{ \"statement_id\": 0, \"total\": 0 }, { \"statement_id\": 1, \"total\": 0 }, { \"statement_i  
    d\": 2, \"total\": 0 }, { \"statement_id\": 3, \"total\": 0 } ] }"  
  }  
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.

ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataWebVitalsPage

Last updated : 2023-07-06 17:39:23

1. API Description

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

This API is used to get the DescribeDataWebVitalsPage information, which is about core user activities. It includes the Web Vitals metric for the page loading performance.

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: DescribeDataWebVitalsPage.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID
ExtSecond	No	String	Custom 2
Engine	No	String	Browser engine

Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Type	No	String	No type yet
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting WebVitalsPage information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataWebVitalsPage
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.

OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataSetUrlStatistics

Last updated : 2023-07-06 17:39:24

1. API Description

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

This API is used to get the DescribeDataSetUrlStatistics 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: DescribeDataSetUrlStatistics
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>allcount</code> : performance view; <code>data</code> : mini program; <code>component</code> : mini program; <code>nettype</code> : network/platform view; <code>performance</code> : top underperformance view; <code>version / platform / isp / region / device / browser</code> : version view; device view; ISP view; region view; browser view, and so on
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID
ExtSecond	No	String	Custom 2

Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation
Env	No	String	Environment
PackageType	No	String	The obtained package.

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting DescribeDataSetUrlStatistics information

Input Example

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

```
{
  "ExtSecond": "Custom 2",
  "Engine": "ie2",
  "IsAbroad": "1",
  "Area": "China",
  "NetType": "2",
  "CostType": "avg",
  "Level": "1",
  "Os": "apple",
  "Brand": "apple",
  "Isp": "China Mobile",
  "VersionNum": "Version",
  "Platform": "2",
  "ExtThird": "Custom 3",
  "ExtFirst": "Custom 1",
  "StartTime": "1625444040",
  "Device": "Samsung",
  "From": "index.html",
  "EndTime": "1625454840",
  "Type": "pagepv",
  "ID": "1",
  "Browser": "ie"
}
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

Example2 222

Input Example

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

{
  "EndTime": "1625454840",
  "Type": "condition",
  "ID": "1",
  "StartTime": "1625444040"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "888d57f1-f544-4291-9a88-8638c050f208",
    "Result": "{\"request_id\":\"888d57f1-f544-4291-9a88-8638c050f208\",\"results\":\n[{\n\"statement_id\":0,\n\"total\":0},{\n\"statement_id\":1,\n\"total\":0},{\n\"statement_id\":2,\n\"total\":0}]}\"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.

ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Static Resource Monitoring APIs

DescribeDataStaticUrl

Last updated : 2023-07-06 17:39:22

1. API Description

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

This API is used to get the DescribeDataStaticUrl 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: DescribeDataStaticUrl.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>pagepv</code> : page view; <code>nettype / version / platform / isp / region / device / network/platform view; version view; device view; ISP view; region view; b</code>
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID

ExtSecond	No	String	Custom 2
Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation method
Url	No	String	Source
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting DescribeDataStaticUrl information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataStaticUrl
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&CostType=avg
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.

MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataStaticResource

Last updated : 2023-07-06 17:39:23

1. API Description

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

This API is used to get the DescribeDataStaticResource 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: DescribeDataStaticResour
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>top</code> : top resources view; <code>count40x</code> : HTTP status codes 40X view; <code>nettype / version / platform / isp / region / device / network/platform</code> view; <code>version</code> view; <code>device</code> view; <code>ISP</code> view; <code>region</code> view; b
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID
ExtSecond	No	String	Custom 2

Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation method
Url	No	String	Source
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting DescribeDataStaticResource information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataStaticResource
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&CostType=avg
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.

OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataStaticProject

Last updated : 2023-07-06 17:39:23

1. API Description

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

This API is used to get the DescribeDataStaticProject 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: DescribeDataStaticProject
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>allcount</code> : performance view; <code>day</code> : 14-day data; <code>condition</code> : c nettype / version / platform / isp / region / device / network/platform view; version view; device view; ISP view; region view; b
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID
ExtSecond	No	String	Custom 2

Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation
Url.N	No	Array of String	Source
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting DescribeDataStaticProject information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataStaticProject
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.

MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Custom Speed Test APIs

DescribeDataCustomUrl

Last updated : 2023-07-06 17:39:26

1. API Description

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

This API is used to get the DescribeDataCustomUrl 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: DescribeDataCustomUrl.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>top</code> : top resources view; <code>allcount</code> : performance view; <code>day</code> : 14-speed distribution; <code>nettype / version / platform / isp / region / device / network/platform view; version view; device view; ISP view; region view; b</code>
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID

ExtSecond	No	String	Custom 2
Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation method
Url	No	String	Key value of the custom speed test
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for

		locating a problem.
--	--	---------------------

4. Example

Example1 Getting DescribeDataCustomUrl information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataCustomUrl
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&CostType=avg
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.

LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Custom Event APIs

DescribeDataEventUrl

Last updated : 2023-07-06 17:39:26

1. API Description

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

This API is used to get the DescribeDataEventUrl 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: DescribeDataEventUrl.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>allcount</code> : performance view; <code>day</code> : 14-day data; <code>condition</code> : <code>nettype</code> / <code>version</code> / <code>platform</code> / <code>isp</code> / <code>region</code> / <code>device</code> / <code>network/platform</code> view; version view; device view; ISP view; region view; b
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID

ExtSecond	No	String	Custom 2
Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
Name	No	String	Filter
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting DescribeDataEventUrl information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataEventUrl
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.

OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Exception Analysis APIs

DescribeDataLogUrlStatistics

Last updated : 2023-07-06 17:39:26

1. API Description

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

This API is used to get the LogUrlStatistics 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: DescribeDataLogUrlStatistics
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>analysis</code> : exception analysis; <code>compare</code> : exception list comparator <code>nettype</code> / <code>version</code> / <code>platform</code> / <code>isp</code> / <code>region</code> / <code>device</code> / <code>network/platform</code> view; version view; device view; ISP view; region view; b
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID

ExtSecond	No	String	Custom 2
Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting LogUrlStatistics information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataLogUrlStatistics
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.

OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Business System and Project Information APIs

ResumeProject

Last updated : 2023-04-27 15:44:53

1. API Description

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

This API is used to recover an application and resume data reporting.

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: ResumeProject.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectId	Yes	Integer	Project ID

3. Output Parameters

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

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	--

4. Example

Example1 Recovering an application

This example shows you how to recover an application.

Input Example

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

{
  "ProjectId": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2c56dbc9-2b99-437a-9a5e-51ed6dcba7e5"
  }
}
```

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 NodeJS](#)
- [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

There is no error code related to the API business logic. For other error codes, please see [Common Error Codes](#).

CreateProject

Last updated : 2023-04-27 15:44:56

1. API Description

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

This API is used to create a RUM application which belongs to a specific team.

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: CreateProject.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
Name	Yes	String	Name of the created project (required and up to 200 characters)
InstanceId	Yes	String	Business system ID
Rate	Yes	String	Project sampling rate (greater than or equal to 0)
EnableURLGroup	Yes	Integer	Whether to enable aggregation
Type	Yes	String	Project type (valid values: "web", "mp", "android", "ios", "node", "hippy", "weex", "viola", "rn")
Repo	No	String	Repository address of the project (optional and up to 256 characters)

URL	No	String	Webpage address of the project (optional and up to 256 characters)
Desc	No	String	Description of the created project (optional and up to 1,000 characters)

3. Output Parameters

Parameter Name	Type	Description
ID	Integer	Project ID
Key	String	Unique project key
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a RUM application

This example shows you how to create a RUM application.

Input Example

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

{
  "Name": "'Test project'",
  "InstanceID": "\"taw-123\"",
  "Repo": "'http://github.com/xxx'",
  "URL": "'http://www.qq.com'",
  "Rate": "\"10\"",
  "EnableURLGroup": "1",
  "Type": "web",
  "Desc": "'Project description'"
}
```

Output Example

```
{
  "Response": {
    "ID": 1,
    "Key": "RlOmCVbPrKd4",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
FailedOperation	Operation failed.
InternalError	Internal error.

InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
MissingParameter	Missing parameter.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
UnauthorizedOperation	Unauthorized operation.

DescribeProjects

Last updated : 2023-04-27 15:44:54

1. API Description

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

This API is used to get the list of projects (under teams created by 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: DescribeProjects.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
Limit	Yes	Integer	Number of items per page (integer)
Offset	Yes	Integer	Page number (integer)
Filters.N	No	Array of Filter	Filter parameter. Pass in {"Name": "IsDemo", "Values":["1"]} for the demo mode.
IsDemo	No	Integer	This parameter has been disused. You need to indicate whether the demo mode is used in <code>Filters</code> .

3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total number of items in the list
ProjectSet	Array of RumProject	Project list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the RUM application list by filter

This example shows you how to get the RUM application list by filter.

Input Example

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

{
  "Limit": "20",
  "Filters": [
    {
      "Values": [
        "'Test project name 2'",
        "'Test project name'"
      ],
      "Name": "'Name'"
    }
  ],
  "Offset": "1"
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "ProjectSet": [],
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

Example2 Getting the RUM application list

This examples shows you how to get the RUM application list.

Input Example

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

{
  "Limit": "20",
  "Offset": "1"
}
```

Output Example

```
{
  "Response": {
    "TotalCount": 0,
    "ProjectSet": [],
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
UnauthorizedOperation	Unauthorized operation.

DescribeProjectLimits

Last updated : 2023-04-27 15:44:54

1. API Description

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

This API is used to get the sampling information of an application's reporting APIs.

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: DescribeProjectLimits.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectID	Yes	Integer	Project ID

3. Output Parameters

Parameter Name	Type	Description
ProjectLimitSet	Array of	Array of reporting rates

	ProjectLimit	
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the sampling information of an application's reporting APIs

This example shows you how to get the sampling information of an application's reporting APIs.

Input Example

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

```
{
  "ProjectID": "8"
}
```

Output Example

```
{
  "Response": {
    "ProjectLimitSet": [
      {
        "ID": 17,
        "ProjectID": 8,
        "ProjectInterface": "web",
        "ReportRate": 10,
        "ReportType": 1
      }
    ],
    "RequestId": "6f867613-843d-410a-8000-c74477ca48a8"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.

MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeScores

Last updated : 2023-04-27 15:44:54

1. API Description

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

This API is used to get the list of homepage scores.

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: DescribeScores.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
EndTime	Yes	String	End time
StartTime	Yes	String	Start time
ID	No	Integer	Project ID
IsDemo	No	Integer	This parameter has been disused.

3. Output Parameters

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

Name		
ScoreSet	Array of ScoreInfo	Array
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the homepage score

This example shows you how to get the homepage score.

Input Example

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

{
  "EndTime": "2022051914",
  "ID": "1",
  "StartTime": "2020011920"
}
```

Output Example

```
{
  "Response": {
    "ScoreSet": [],
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.

RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

StopInstance

Last updated : 2023-04-27 15:44:53

1. API Description

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

This API is used to stop 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: StopInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of the instance to be stopped

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Stopping an instance

This example shows you how to stop an instance. Once the instance is stopped, all applications in the business system will be unable to report data.

Input Example

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

{
  "InstanceId": "rum-abcd1234"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2c56dbc9-2b99-437a-9a5e-51ed6dcba7e5"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

ResumeInstance

Last updated : 2023-07-06 17:39:30

1. API Description

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

This API is used to recover a RUM business system so that you can use the application to report data normally.

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: ResumeInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of the instance to be resumed

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Resuming instance

Input Example

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

{
  "InstanceId": "rum-abcd1234"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2c56dbc9-2b99-437a-9a5e-51ed6dcba7e5"
  }
}
```

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](#)
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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	Error with CAM signature/authentication.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
OperationDenied	The operation was denied.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

ModifyProjectLimit

Last updated : 2023-07-06 17:39:30

1. API Description

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

This API is used to add or modify data reporting limit.

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: ModifyProjectLimit.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectID	Yes	Integer	Project ID
ProjectInterface	No	String	Project API
ReportRate	No	Integer	Reporting rate. 10 means 10%
ReportType	No	Integer	Reporting type. 1: rate; 2: number of reported data entries
ID	No	Integer	Primary key ID

3. Output Parameters

Parameter Name	Type	Description
Msg	String	Returned message Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding or modifying data reporting limit

This example shows you how to add or modify data reporting limit.

Input Example

```
https://rum.tencentcloudapi.com/?Action=ModifyProjectLimit
&ProjectID=1
&ProjectInterface=web
&ReportRate=10
&ReportType=1
&ID=1
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Msg": "xx",
    "RequestId": "xx"
  }
}
```

Example2 Adding sample

Input Example

```
POST / HTTP/1.1
Host: rum.tencentcloudapi.com
```

```
Content-Type: application/json
X-TC-Action: ModifyProjectLimit
<Common request parameters>

{
  "ProjectInterface": "web",
  "ProjectID": "8",
  "ReportRate": "10",
  "ReportType": "1"
}
```

Output Example

```
{
  "Response": {
    "Msg": "success",
    "RequestId": "a62c0f90-5ed0-4f3e-b285-8e4885a5ca45"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

ModifyProject

Last updated : 2023-04-27 15:44:54

1. API Description

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

This API is used to modify the RUM application 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: ModifyProject.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ID	Yes	Integer	Project ID
Name	No	String	Project name (optional, not empty, and up to 200 characters)
URL	No	String	Project webpage URL (optional and up to 256 characters)
Repo	No	String	Project repository address (optional and up to 256 characters)
InstanceID	No	String	ID of the instance to which to move the project (optional)
Rate	No	String	Project sample rate (optional)
EnableURLGroup	No	Integer	Whether to enable aggregation (optional)

Type	No	String	Project type (valid values: "web", "mp", "android", "ios", "node", "hippy", "weex", "viola", "rn")
Desc	No	String	Project description (optional and up to 1,000 characters)

3. Output Parameters

Parameter Name	Type	Description
Msg	String	Operation information
ID	Integer	Project ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the RUM application information

This example shows you how to modify the RUM application information.

Input Example

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

{
  "ID": "6",
  "Name": "'Test project'"
}
```

Output Example

```
{
  "Response": {
    "ID": 1,
    "Msg": "success",
  }
}
```

```
"RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
}
```

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 NodeJS](#)
- [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.
ResourceNotFound	The resource does not exist.

ModifyInstance

Last updated : 2023-07-06 17:39:31

1. API Description

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

This API is used to modify a RUM business system.

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: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of the instance to be modified
InstanceName	No	String	New instance name (up to 255 characters)
InstanceDesc	No	String	New instance description (up to 1,024 characters)

3. Output Parameters

Parameter Name	Type	Description

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	--

4. Example

Example1 Modifying instance

Input Example

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

{
  "InstanceId": "taw-12345678",
  "InstanceName": "New instance name",
  "InstanceDesc": "New instance description"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "411c8d9d-9cea-4d1d-906d-6f1e076ded28"
  }
}
```

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 NodeJS](#)

- [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.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataReportCount

Last updated : 2023-07-06 17:39:31

1. API Description

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

This API is used to get the number of reported data entries for a project.

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: DescribeDataReportCount.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
EndTime	Yes	Integer	End time
ID	No	Integer	Project ID
ReportType	No	String	Reporting type
InstanceId	No	String	Instance ID

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the number of reported data entries

Input Example

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

{
  "EndTime": "1625454840",
  "ReportType": "custom",
  "ID": "1",
  "StartTime": "1625444040"
}
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
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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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.

MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DeleteStarProject

Last updated : 2023-04-27 15:44:55

1. API Description

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

This API is used to delete a starred project for the specified user.

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: DeleteStarProject.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID, such as taw-123
ID	Yes	Integer	Project ID

3. Output Parameters

Parameter Name	Type	Description
Msg	String	Response message

		Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a starred application

This example shows you how to delete a starred application.

Input Example

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

```
{
  "InstanceID": "taw-123",
  "ID": "1"
}
```

Output Example

```
{
  "Response": {
    "Msg": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.

ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DeleteProject

Last updated : 2023-04-27 15:44:55

1. API Description

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

This API is used to delete the specified RUM project.

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: DeleteProject.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ID	Yes	Integer	ID of the project to be deleted

3. Output Parameters

Parameter Name	Type	Description
Msg	String	Operation information
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for

		locating a problem.
--	--	---------------------

4. Example

Example1 Deleting a RUM application

This example shows you how to delete a RUM application.

Input Example

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

{
  "ID": "6"
}
```

Output Example

```
{
  "Response": {
    "Msg": "success",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for NodeJS](#)

- [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.
ResourceNotFound	The resource does not exist.

DeleteInstance

Last updated : 2023-04-27 15:44:55

1. API Description

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

This API is used to delete an instance. The deleted instance cannot be recovered.

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: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	ID of the instance to be deleted

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a RUM business system

This example shows you how to delete a RUM business system.

Input Example

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

{
  "InstanceId": "rum-abcd1234"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2c56dbc9-2b99-437a-9a5e-51ed6dcba7e5"
  }
}
```

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 NodeJS](#)
- [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	Error with CAM signature/authentication.
FailedOperation	Operation failed.
InternalError	Internal error.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	The resource is unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

CreateTawInstance

Last updated : 2023-07-06 17:39:31

1. API Description

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

This API is used to create a RUM business system.

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: CreateTawInstance.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
AreaId	Yes	Integer	Region ID (at least greater than 0)
ChargeType	Yes	Integer	Billing type (1: Pay-as-you-go).
DataRetentionDays	Yes	Integer	Data retention period (at least greater than 0)
InstanceName	Yes	String	Instance name (up to 255 bytes)
Tags.N	No	Array of Tag	Tag list

InstanceDesc	No	String	Instance description (up to 1,024 bytes)
CountNum	No	String	Number of data entries reported per day
PeriodRetain	No	String	Billing for data storage
BuyingChannel	No	String	Instance purchase channel. Valid value: <code>cdn</code> .
ResourcePackageType	No	Integer	Type of prepaid resource pack (only required for prepaid mode)
ResourcePackageNum	No	Integer	The number of prepaid resource packs (only required for prepaid mode)
InstanceType	No	Integer	Instance type. <code>1</code> : Web; <code>2</code> : Application

3. Output Parameters

Parameter Name	Type	Description
InstanceId	String	Instance ID
DealName	String	ID of prepaid order Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying an instance

This example shows you how to create an instance.

Input Example

```
POST / HTTP/1.1Host: rum.tencentcloudapi.comContent-Type: application/jsonX-TC-Action: CreateTawInstance<Common request parameters>{ "AreaId": 1, "InstanceName": "test", "ChargeType": 1, "DataRetentionDays": 30, "InstanceDesc": "test"}
```

Output Example

```
{
  "Response": {
    "InstanceId": "taw-4vVPH0Jn",
    "DealName": "",
    "RequestId": "57f4d8a2-13b6-4ac0-9f0b-0acc7bbc1d61"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
FailedOperation	Operation failed.
FailedOperation.ChargeNoBalance	Billing - The account balance is insufficient.
FailedOperation.ChargeNoPayRight	Billing - The account doesn't have the payment permission.

FailedOperation.ChargeParamInvalid	Billing - Invalid billing parameters.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
ResourceNotFound	The resource does not exist.

CreateStarProject

Last updated : 2023-04-27 15:44:56

1. API Description

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

This API is used to add a starred project.

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: CreateStarProject.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
InstanceId	Yes	String	Instance ID, such as taw-123
ID	Yes	Integer	Project ID

3. Output Parameters

Parameter Name	Type	Description
Msg	String	API response information

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	--

4. Example

Example1 Creating a starred application

This example shows you how to create a starred application.

Input Example

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

{
  "InstanceID": "taw-123",
  "ID": "1"
}
```

Output Example

```
{
  "Response": {
    "Msg": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.

ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

StopProject

Last updated : 2023-04-27 15:44:53

1. API Description

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

This API is used to stop a project from reporting data.

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: StopProject.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
ProjectId	Yes	Integer	Project ID

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Stopping an application from reporting data

This example shows you how to stop an application from reporting data.

Input Example

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

{
  "ProjectId": 1
}
```

Output Example

```
{
  "Response": {
    "RequestId": "2c56dbc9-2b99-437a-9a5e-51ed6dcba7e5"
  }
}
```

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 NodeJS](#)
- [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.
ResourceNotFound	The resource does not exist.

API Monitoring APIs

DescribeDataFetchUrlInfo

Last updated : 2023-07-06 17:39:31

1. API Description

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

This API is used to get the DescribeDataFetchUrlInfo 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: DescribeDataFetchUrlInfo.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	Type
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID
ExtSecond	No	String	Custom 2

Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation method
Url	No	String	Source
Env	No	String	Environment

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting DescribeDataFetchUrlInfo information

Input Example

```
https://rum.tencentcloudapi.com/?Action=DescribeDataFetchUrlInfo
&ID=1
&StartTime=1625444040
&EndTime=1625454840
&Type=pagepv
&Level=1
&Isp=China Mobile
&Area=China
&NetType=2
&Platform=2
&Device=Samsung
&VersionNum=Version
&ExtFirst=Custom 1
&ExtSecond=Custom 2
&ExtThird=Custom 3
&IsAbroad=1
&Browser=ie
&Os=apple
&Engine=ie2
&Brand=apple
&From=index.html
&CostType=avg
&<Common request parameters>
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

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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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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.

OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataFetchUrl

Last updated : 2023-07-06 17:39:31

1. API Description

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

This API is used to get the DescribeDataFetchUrl 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: DescribeDataFetchUrl.
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>allcount</code> : performance view; <code>day</code> : 14-day data; <code>count40x</code> : HTTP status codes 40X~50X view; <code>count5xand4x</code> : HTTP status codes 40X&50X view; <code>top</code> : top resource type / version / platform / isp / region / device / network/platform view; version view; device view; ISP view; region view; b
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID
ExtSecond	No	String	Custom 2

Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation method
Url	No	String	Source
Env	No	String	Environment
Status	No	String	HTTP status code.
Ret	No	String	retcode
NetStatus	No	String	Network status

3. Output Parameters

Parameter Name	Type	Description

Result	String	Returned value
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting DescribeDataFetchUrl information

Input Example

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

{
  "ExtSecond": "Custom 2",
  "Engine": "ie2",
  "IsAbroad": "1",
  "Area": "China",
  "NetType": "2",
  "CostType": "avg",
  "Level": "1",
  "Os": "apple",
  "Brand": "apple",
  "Isp": "China Mobile",
  "VersionNum": "Version",
  "Platform": "2",
  "ExtThird": "Custom 3",
  "ExtFirst": "Custom 1",
  "StartTime": "1625444040",
  "Device": "Samsung",
  "From": "index.html",
  "EndTime": "1625454840",
  "Type": "pagepv",
  "ID": "1",
  "Browser": "ie"
}
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
    "RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
  }
}
```

Example2 333

Input Example

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

{
  "EndTime": "1625454840",
  "Type": "condition",
  "ID": "1",
  "StartTime": "1625444040"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "d8b037d7-08ae-401d-84cf-071e7a133c00",
    "Result": "{\"request_id\":\"d8b037d7-08ae-401d-84cf-071e7a133c00\",\"results\":\n[{\n\"statement_id\":0,\"total\":0},{\n\"statement_id\":1,\"total\":0}]}\"
  }
}
```

Example3 1

Input Example

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

```
{
  "EndTime": "1658390700",
  "Type": "allcount",
  "ID": "1",
  "StartTime": "1658304300"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "d446c290-7034-47d3-8d72-46e7a692f5ac",
    "Result": "{\"request_id\":\"d446c290-7034-47d3-8d72-46e7a692f5ac\",\"results\":\n[{\n\"statement_id\":0,\"total\":0},{\n\"statement_id\":1,\"total\":0}]}\"
  }
}
```

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 .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	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.
LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

DescribeDataFetchProject

Last updated : 2023-07-06 17:39:31

1. API Description

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

This API is used to get the `DescribeDataFetchProject` information and has been deprecated. Use `DescribeDataFetchUrl` instead.

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: DescribeDataFetchProject
Version	Yes	String	Common Params . The value used for this API: 2021-06-22.
Region	No	String	Common Params . This parameter is not required for this API.
StartTime	Yes	Integer	Start time
Type	Yes	String	<code>allcount</code> : performance view; <code>day</code> : 14-day data; <code>condition</code> : <code>condition</code> / <code>nettype</code> / <code>version</code> / <code>platform</code> / <code>isp</code> / <code>region</code> / <code>device</code> / <code>network/platform</code> view; version view; device view; ISP view; region view; b
EndTime	Yes	Integer	End time
ID	Yes	Integer	Project ID
ExtSecond	No	String	Custom 2

Engine	No	String	Browser engine
Isp	No	String	ISP
From	No	String	Source page
Level	No	String	Log level
Brand	No	String	Brand
Area	No	String	Region
VersionNum	No	String	Version
Platform	No	String	Platform
ExtThird	No	String	Custom 3
ExtFirst	No	String	Custom 1
NetType	No	String	Network type
Device	No	String	Model
IsAbroad	No	String	Whether it is outside the Chinese mainland
Os	No	String	OS
Browser	No	String	Browser
CostType	No	String	Duration calculation method
Url	No	String	Source
Env	No	String	Environment
Status	No	String	HTTP status code.
Ret	No	String	retcode

3. Output Parameters

Parameter Name	Type	Description
Result	String	Returned value

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	--

4. Example

Example1 Getting DescribeDataFetchProject information

Input Example

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

```
{
  "ExtSecond": "Custom 2",
  "Engine": "ie2",
  "IsAbroad": "1",
  "Area": "China",
  "NetType": "2",
  "CostType": "avg",
  "Level": "1",
  "Os": "apple",
  "Brand": "apple",
  "Isp": "China Mobile",
  "VersionNum": "Version",
  "Platform": "2",
  "ExtThird": "Custom 3",
  "ExtFirst": "Custom 1",
  "StartTime": "1625444040",
  "Device": "Samsung",
  "From": "index.html",
  "EndTime": "1625454840",
  "Type": "pagepv",
  "ID": "1",
  "Browser": "ie"
}
```

Output Example

```
{
  "Response": {
    "Result": "xxxx",
  }
}
```

```
"RequestId": "65a8fec7-2b39-4b11-893f-3715279d235f"
}
```

Example2 111

Input Example

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

{
  "EndTime": "1625454840",
  "Type": "condition",
  "ID": "1",
  "StartTime": "1625444040"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "9906759b-ea71-409e-b4e0-b877512713cf",
    "Result": "{ \"request_id\": \"9906759b-ea71-409e-b4e0-b877512713cf\", \"results\": [ { \"statement_id\": 0, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 1, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 2, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 3, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 4, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 5, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 6, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 7, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 8, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 }, { \"statement_id\": 9, \"series\": [ { \"name\": \"fetch_project_statistics\", \"columns\": [ \"key\", \"value\" ] } ], \"total\": 0 } ] }"
  }
}
```

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
AuthFailure	Error with CAM signature/authentication.
DryRunOperation	<code>DryRun</code> Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
FailedOperation	Operation failed.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
InternalError	Internal error.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Incorrect parameter value.

LimitExceeded	The quota limit is exceeded.
MissingParameter	Missing parameter.
OperationDenied	The operation was denied.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	The resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoInstance	The instance does not exist.
ResourceUnavailable	The resource is unavailable.
ResourcesSoldOut	The resources have been sold out.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.

Data Types

Last updated : 2023-07-06 17:39:32

Filter

Key-Value pair filter for conditional filtering queries, such as filtering ID, name, status, etc.

- If more than one filter exists, the logical relationship between these filters is **AND** .
- If multiple values exist in one filter, the logical relationship between these values is **OR** .

Used by actions: DescribeProjects.

Name	Type	Required	Description
Values	Array of String	No	One or more filter values.
Name	String	No	Filter name.

LogExport

Log export record

Used by actions: DescribeLogExports.

Name	Type	Description
CosPath	String	Log export path
Count	Integer	Number of logs to be exported
CreateTime	String	Log export task creation time
ExportID	String	Log export task ID
FileName	String	Log export filename
FileSize	Integer	Log file size
Format	String	Log export format
Order	String	Log export time sorting
Query	String	Log export query statement

StartTime	String	Log export start time
EndTime	String	Log export end time
Status	String	Log download status. Valid values: Queuing: queuing; Processing: exporting; Complete: completed; Failed: failed; Expired: expired (3-day validity period).

ProjectLimit

Project API restriction type

Used by actions: DescribeProjectLimits.

Name	Type	Required	Description
ID	Integer	Yes	Primary key ID
ProjectID	Integer	Yes	Project ID
ProjectInterface	String	Yes	API
ReportRate	Integer	Yes	Reporting rate
ReportType	Integer	Yes	Reporting type. 1: reporting rate; 2: reporting count limit

ReleaseFile

Release file list (sourcemap)

Used by actions: CreateReleaseFile, DescribeReleaseFiles.

Name	Type	Description
Version	String	File version
FileKey	String	Unique file key
FileName	String	Filename
FileHash	String	File hash
ID	Integer	File ID Note: this field may return null, indicating that no valid values can be obtained.

RumAreaInfo

RUM region information

Used by actions: DescribeTawAreas.

Name	Type	Description
Areald	Integer	Region ID
AreaStatus	Integer	Region status (1: valid; 2: invalid)
AreaName	String	Region name
AreaKey	String	Region key
AreaRegionID	String	Region ID.
AreaRegionCode	String	Region code, such as “ap-xxx” (xxx is the region name).
AreaAbbr	String	Region abbreviation.

RumProject

RUM project information

Used by actions: DescribeProjects.

Name	Type	Description
Name	String	Project name
Creator	String	Creator ID
InstanceId	String	Instance ID
Type	String	Project type
CreateTime	Timestamp	Creation time
Repo	String	Project repository address Note: this field may return null, indicating that no valid values can be obtained.
URL	String	Project URL Note: this field may return null, indicating that no valid values can be

		obtained.
Rate	String	Project sample rate
Key	String	Unique project key (12 characters)
EnableURLGroup	Integer	Whether to enable URL aggregation
InstanceName	String	Instance name
ID	Integer	Project ID
InstanceKey	String	Instance key
Desc	String	Project description Note: this field may return null, indicating that no valid values can be obtained.
IsStar	Integer	Starred status. 1: yes; 0: no Note: this field may return null, indicating that no valid values can be obtained.
ProjectStatus	Integer	Project status (1 : Creating; 2 : Running; 3 : Abnormal; 4 : Restarting; 5 : Stopping; 6 : Stopped; 7 : Terminating; 8 : Terminated) Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
AccessPoint	String	Log access point, which can be ignored. Note: This field may return null, indicating that no valid values can be obtained.

RumPvInfo

RUM log object

Used by actions: DescribePvList.

Name	Type	Description
ProjectId	Integer	Project ID
Pv	String	Number of PVs Note: this field may return null, indicating that no valid values can be obtained.
CreateTime	String	Time

RumUvInfo

Number of RUM UVs

Used by actions: DescribeUvList.

Name	Type	Description
ProjectId	Integer	Project ID
Uv	String	Number of UVs
CreateTime	String	Creation time

ScoreInfo

Project score entity

Used by actions: DescribeScores.

Name	Type	Description
StaticDuration	String	duration
PagePv	String	pv
ApiFail	String	Failure
ApiNum	String	Request
StaticFail	String	fail
ProjectID	Integer	Project ID
PageUv	String	uv
ApiDuration	String	Number of requests
Score	String	Score
PageError	String	error
StaticNum	String	num
RecordNum	Integer	num

PageDuration	String	Duration
CreateTime	String	Time Note: This field may return null, indicating that no valid values can be obtained.

Tag

Tag

Used by actions: CreateTawInstance.

Name	Type	Required	Description
Key	String	Yes	Tag key
Value	String	Yes	Tag value

Whitelist

Allowlist

Used by actions: DescribeWhitelists.

Name	Type	Description
Remark	String	Remarks
InstanceId	String	Instance ID
Ttl	String	End time
ID	String	Auto-Increment allowlist ID
WhitelistUin	String	Unique business identifier
CreateUser	String	Creator ID
Aid	String	aid
CreateTime	String	Creation time

Error Codes

Last updated : 2022-12-29 14:43:13

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	Error with CAM signature/authentication.
FailedOperation.ChargeNoBalance	Billing - The account balance is insufficient.
FailedOperation.ChargeNoPayRight	Billing - The account doesn't have the payment permission.
FailedOperation.ChargeParamInvalid	Billing - Invalid billing parameters.
FailedOperation.ClsCallFail	CLS call failed.
FailedOperation.DataBaseException	Exceptional data operation.
FailedOperation.InfrastructureError	Exceptional third-party dependency.
OperationDenied	The operation was denied.
ResourceNotFound.NoInstance	The instance does not exist.

ResourcesSoldOut	The resources have been sold out.
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