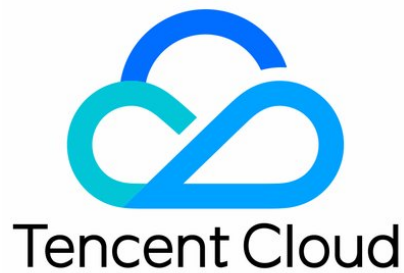


Content Delivery Network

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

- Content Management APIs

 - DisableCaches

 - EnableCaches

 - GetDisableRecords

- Data Query APIs

 - DescribeCdnData

 - DescribeIpVisit

 - DescribeOriginData

 - ListTopData

- Service Query APIs

 - DescribeMapInfo

 - DescribePayType

- Data Types

- Error Codes

- CDN API 2017

 - API Documents

 - Introduction

 - API Overview

 - Sample Codes

 - Calling Method

 - Request Structure

 - Request Structure

 - Public Request Parameters

 - API Request Parameters

 - Final Request

 - Returned Results

 - Correct Result

 - Wrong Result

 - Error Codes

 - Sample Codes

 - Manage Domain Names

 - Add Acceleration Domain Name

 - Activating CDN Domain Name

 - Close CDN Domain Name

- Deleting Acceleration Domain Name
- Modifying Domain Name Configuration
- Switch the project of domain
- Query Domain Names
 - Query Domain Name List
 - Query Domain Name Details by Name
 - Query Domain Name Details by ID
- Purge Contents
 - Purge URLs
 - Purge Directories
 - Query Purging History
- Log API
 - Download Logs

API Documentation

History

Last updated : 2019-08-21 15:33:59

Release 3

Release time: March 8, 2019 11:50:32

This release contains:

Improvements on current documentation.

New APIs:

- [DisableCaches](#)
- [EnableCaches](#)
- [GetDisableRecords](#)

Modified APIs:

- [DescribeCdnData](#)
 - New input parameters: IpProtocol

New data structures:

- [CacheOptResult](#)
- [UrlRecord](#)

Release 2

Release time: December 6, 2018 21:01:55

This release contains:

Improvements on current documentation.

New APIs:

- [DescribeMapInfo](#)
- [DescribePayType](#)

New data structures:

- [MapInfo](#)

Release 1

Release time: November 29, 2018 17:36:37

This release contains:

Improvements on current documentation.

New APIs:

- [DescribeCdnData](#)
- [DescribeVisit](#)
- [DescribeOriginData](#)
- [ListTopData](#)

New data structures:

- [CdnData](#)
- [ResourceData](#)
- [ResourceOriginData](#)
- [SummarizedData](#)
- [TimestampData](#)
- [TopData](#)
- [TopDetailData](#)

Introduction

Last updated : 2019-08-21 15:33:59

Welcome to CDN!

Tencent Cloud Content Delivery Network (CDN) provides fast and stable delivery of your content by uploading the content to a CDN edge server nearest to the users. CDN reduces latency and overcomes obstacles such as geographical location, bandwidth size, and server performance to deliver quality user experience.

API Category

Last updated : 2019-08-21 15:33:59

Content Management APIs

API name	Description
DisableCaches	Blocks URLs
EnableCaches	Unblocks URLs
GetDisableRecords	Describes blocking actions history

Data Query APIs

API name	Description
DescribeCdnData	Describes access data
DescribeIpVisit	Describes active users data
DescribeOriginData	Describes origin-pull data
ListTopData	Describes TOP data

Service Query APIs

API name	Description
DescribeMapInfo	Describes district and ISP codes
DescribePayType	Describes billing method

Making API Requests

Request Structure

Last updated : 2019-08-21 15:34:00

1. Service Address

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

It is recommended to use the domain name for nearby access. Based on the location of the client when calling the API, the request will be automatically resolved to the server in the **nearest** region. For example, if a request is initiated in Guangzhou, it will be automatically resolved to the server in Guangzhou, and the effect is the same as that when specifying `cdn.ap-guangzhou.tencentcloudapi.com`.

Note: For latency-sensitive businesses, it is recommended to specify a domain name with region.

Below lists the currently supported regions:

Access region	Domain name
Local access region (recommended, only for non-financial availability zones)	<code>cdn.tencentcloudapi.com</code>
South China (Guangzhou)	<code>cdn.ap-guangzhou.tencentcloudapi.com</code>
East China (Shanghai)	<code>cdn.ap-shanghai.tencentcloudapi.com</code>
North China (Beijing)	<code>cdn.ap-beijing.tencentcloudapi.com</code>
Southwest China (Chengdu)	<code>cdn.ap-chengdu.tencentcloudapi.com</code>
Southwest China (Chongqing)	<code>cdn.ap-chongqing.tencentcloudapi.com</code>
Southeast Asia (Hong Kong, China)	<code>cdn.ap-hongkong.tencentcloudapi.com</code>
Southeast Asia (Singapore)	<code>cdn.ap-singapore.tencentcloudapi.com</code>
Asia Pacific (Bangkok)	<code>cdn.ap-bangkok.tencentcloudapi.com</code>
Asia Pacific (Mumbai)	<code>cdn.ap-mumbai.tencentcloudapi.com</code>
Asia Pacific (Seoul)	<code>cdn.ap-seoul.tencentcloudapi.com</code>
Asia Pacific (Tokyo)	<code>cdn.ap-tokyo.tencentcloudapi.com</code>
Eastern America (Virginia)	<code>cdn.na-ashburn.tencentcloudapi.com</code>
Western America (Silicon Valley)	<code>cdn.na-siliconvalley.tencentcloudapi.com</code>
North America (Toronto)	<code>cdn.na-toronto.tencentcloudapi.com</code>
Europe (Frankfurt)	<code>cdn.eu-frankfurt.tencentcloudapi.com</code>
Europe (Moscow)	<code>cdn.eu-moscow.tencentcloudapi.com</code>

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

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

2. Communications Protocol

All the TencentCloud APIs communicate via HTTPS, providing highly secure communications tunnels.

3. Request Method

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST request:

- application/json (recommended). You must use TC3-HMAC-SHA256 to calculate the signature.
- application/x-www-form-urlencoded. You must use HmacSHA1 or HmacSHA256 to calculate the signature.
- multipart/form-data (only supported by certain APIs). You must use TC3-HMAC-SHA256 to calculate the signature.

The packet size of a GET request cannot exceed 32 KB. Every POST request signed with HmacSHA1 or HmacSHA256 signatures must have a size no larger than 1 MB. POST requests that signed with TC3-HMAC-SHA256 signatures can have a size up to 10 MB.

4. Character Encoding

Only UTF-8 encoding can be used.

Common Params

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The common parameters are used to authenticate the user and API. If not necessary, these parameters are not described in individual API documents. However, they have to be carried by each request to initiate properly.

Signature Method v3

When using TC3-HMAC-SHA256 to sign your requests, you should include all common parameters in the HTTP header as shown below:

Parameter name	Type	Required	Description
X-TC-Action	String	Yes	API name of the action. For the valid values, see the description of the common input parameter "Action" in the API documentation. For example, the value of the CVM instance list querying API is DescribeInstances.
X-TC-Region	String	Yes	A parameter for specifying the region of the operated data. For the valid regions, see the description of the common input parameter "Region" in the API documentation. Note: This parameter is not required by some APIs and will not be in effect when using these APIs. You can find the detailed information about optional parameters in the API documentation.
X-TC-Timestamp	Integer	Yes	The current UNIX timestamp. It records the time when an API request is initiated. For example, 1529223702. Note: A greater-than-5-minute difference between your local current time and the API server time can cause your signature to expire.
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the common input parameter "Version" in the API documentation. For example, the version of CVM is 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_request, SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc963176630326f1024 Here, - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKIDEXAMPLE is the SecretId; Date is a date in UTC time, and this value must be matched the value of X-TC-Timestamp (a common parameter) in UTC time format; service is the name of the product/service (e.g., cvm) you called; - SignedHeaders: The headers that contains the authentication information; content-type and host are the required headers; - Signature: Signature summary.
X-TC-Token	String	No	The token that is used along with the temporary key to generate the temporary certificate. You need to obtain the temporary key and token by calling the CAM API. A token is not required when a long-term key is being used.

Assume that you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, structure a request that consists of the request URL, the request header and request body as follows:

The following example shows you how to structure an HTTP GET request:

```
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=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
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--
```

Signature Method v1

When using HmacSHA1 or HmacSHA256 to sign your requests, you should include all common parameters in the HTTP header as shown below:

Parameter name	Type	Required	Description
X-TC-Action	String	Yes	API name of the action. For the valid values, see the description of the common input parameter "Action" in the API documentation. For example, the value of the CVM instance list querying API is DescribeInstances.
Region	String	Yes	A parameter for specifying the region of the operated data. For the valid regions, see the description of the common input parameter "Region" in the API documentation. Note: This parameter is not required by some APIs and will not be in effect when using these APIs. You can find the detailed information about optional parameters in the API documentation.
Timestamp	Integer	Yes	The current UNIX timestamp. It records the time when an API request is initiated. For example, 1529223702. Note: If the difference between this value and the current time is too large, your signature will be expired.
Nonce	Integer	Yes	A random positive integer used along with Timestamp to prevent replay attacks.
SecretId	String	Yes	You can obtain your SecretId here TencentCloud API Key . A SecretId is a unique identifier of a SecretKey which is used to generate a signature for your request.
Signature	String	Yes	The signature added in the HTTP request for verifying the identity of the requester. The signature is calculated based on the actual input parameters.
Version	String	Yes	API version of the action. For the valid values, see the description of the common input parameter "Version" in the API documentation. For example, the version of CVM is 2017-03-12.
SignatureMethod	String	No	Keyed hash algorithm that is used to create a signature. You may use either HmacSHA256 or HmacSHA1. However, you only use HmacSHA256 when specified.
Token	String	No	The token that is used along with the temporary key to generate the temporary certificate. You need to obtain the temporary key and token by calling the CAM API. A token is not required when a long-term key is being used.

Assume that you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, structure a request that consists of the request URL, the request header and request body as follows:

The following example shows you how to structure an HTTP GET request:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eaddeb459b1bbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

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

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

```
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

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Tencent Cloud API authenticates each access request, i.e. each request needs to include signature information (Signature) in the common request 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, please go to the [Cloud API Key](#) page to apply; otherwise, you cannot call the Cloud API.

Applying for Security Credentials

Before using the Cloud API for the first time, go to the [Cloud API Key](#) page to apply for security credentials. Security credentials include SecretId and SecretKey:

- SecretId is used to identify the API caller.
- 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 in the following steps:

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

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

TC3-HMAC-SHA256 Signature Method

Note: For the GET method, only the protocol format of Content-Type: application/x-www-form-urlencoded is supported. For the POST method, two protocol formats of Content-Type: application/json and Content-Type: multipart/form-data are supported. The JSON format is supported by all business APIs by default. The multipart format is supported only by certain business APIs (in this case, the APIs cannot be called using the JSON format. For details, see the specific business API documentation).

The following uses querying the list of CVM instances in the Guangzhou region as an example to describe the steps of signature splicing. Only two parameters of the instance list querying API are used: Limit and Offset, which are called using the GET method.

Assume that the SecretId and SecretKey are: AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE and Gu5t9xGARNpq86cd98joQYCN3EXAMPLE

1. Splicing the CanonicalRequest String

The CanonicalRequest string is spliced in the following format:

```
CanonicalRequest =  
HTTPRequestMethod + '\n' +  
CanonicalURI + '\n' +  
CanonicalQueryString + '\n' +  
CanonicalHeaders + '\n' +  
SignedHeaders + '\n' +  
HashedRequestPayload
```

- **HTTPRequestMethod**: HTTP request method (GET or POST); GET is used in this example;
- **CanonicalURI**: URI parameter, which is always a forward slash (/) in API 3.0;
- **CanonicalQueryString**: The query string in the URL that initiates the HTTP request. For a POST request, it is fixed as an empty string; for a GET request, it is the string content after the question mark (?) in the URL. The value in this example is: `Limit=10&Offset=0`. Note: **CanonicalQueryString** needs to be URL encoded.
- **CanonicalHeaders**: Information of the headers involving in the signature, including at least two headers of host and content-type. Custom headers can be added to participate in the signature process to improve the uniqueness and security of the request. Splicing rules: 1) The header keys and values should be uniformly converted to lowercase with the leading and trailing spaces removed, so they are spliced in the format of `key:value\n` format; 2) if there are multiple headers, they should be sorted in the lexicographical order of the header keys (lowercase). In this example: `content-type:application/x-www-form-urlencoded\nhost:cvm.tencentcloudapi.com\n`
- **SignedHeaders**: Information of the headers involving in the signature, indicating which headers of the request participate in the signature process (they must correspond to the headers in **CanonicalHeaders** one-to-one). `content-type` and `host` are required headers. Splicing rules: 1) The header keys should be uniformly converted to lowercase; 2) if there are multiple headers, they should be sorted in the lexicographical order of the header keys (lowercase) and separated by semicolons (;). In this example: `content-type;host`
- **HashedRequestPayload**: Hash value of the request body, calculated as `Lowercase(HexEncode(Hash.SHA256(RequestPayload)))` by SHA256 hashing the entire body payload of the HTTP request, performing hexadecimal encoding and finally converting the encoded string to lowercase letters. Note: For a GET request, `RequestPayload` is fixed to an empty string; for a POST request, `RequestPayload` is the body payload of the HTTP request.

According to the rules above, the **CanonicalRequest** string obtained in the example is as follows (for a clear display, the `\n` line break is replaced by adding a new line):

```
GET
/
Limit=10&Offset=0
content-type:application/x-www-form-urlencoded
host:cvm.api.tencentyun.com

content-type;host
e3b0c44298fc1c149afb4c8996fb92427ae41e4649b934ca495991b7852b855
```

2. Splicing the String to Be Signed

The string to be signed is spliced in the following format:

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

- **Algorithm**: Signature algorithm, currently fixed as TC3-HMAC-SHA256;
- **RequestTimestamp**: Timestamp of the request, i.e., the value of the `X-TC-Timestamp` in the request header; 1539084154 as shown in the example above;
- **CredentialScope**: Scope of the credential in the format of `Date/service/tc3_request`, including the 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**; service is the product name, which should match the domain name of the product called, such as `cvm`. As shown in the example request above, the value is `2018-10-09/cvm/tc3_request`;

- HashedCanonicalRequest: Hash value of the CanonicalRequest string spliced in the steps above, calculated as Lowercase(HexEncode(Hash.SHA256(CanonicalRequest))).

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 in the daytime 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 current system time, and it should be ensured that the system time and standard time are synced; if the difference is over five minutes, the call will definitely fail. If the time difference exists for a long time, it may cause the requests to definitely fail after running for a period of time (with a signature expiration error returned).

According to the rules above, the string to be signed obtained in the example is as follows (for a clear display, the \n line break is replaced by adding a new line):

```
TC3-HMAC-SHA256
1539084154
2018-10-09/cvm/tc3_request
91c9c192c14460df6c1ffc69e34e6c5e90708de2a6d282ccc957dbf1aa7f3a7
```

3. Calculating the Signature

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

```
SecretKey = "Gu5t9xGARNpq86cd98joQYCN3EXAMPLE"
SecretDate = HMAC_SHA256("TC3" + SecretKey, Date)
SecretService = HMAC_SHA256(SecretDate, Service)
SecretSigning = HMAC_SHA256(SecretService, "tc3_request")
```

- SecretKey: The original SecretKey;
- Date: The Date field information in Credential; 2018-10-09 as shown in the example above;
- Service: The Service field information in Credential; cvm as shown in the example above;

2) Calculate the signature with the following pseudocode:

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

- SecretSigning: The derived signature key calculated above;
- StringToSign: The string to be signed calculated in step 2;

4. Splicing the Authorization

The Authorization is spliced in the following format:

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

- Algorithm: Signature algorithm, fixed as TC3-HMAC-SHA256;
- SecretId: The SecretId in the key pair;
- CredentialScope: Scope of the credential (see above);
- SignedHeaders: Information of the headers involving in the signature (see above);
- Signature: Signature value;

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

```
TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_request, SignedHeaders=content-type;host, Signature=5da7a33f6993f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474
```

The final complete call information is as follows:

```
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
```

5. Signature Demo

Java

```
import java.io.BufferedReader;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.net.URL;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.Map;
import java.util.TimeZone;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.net.ssl.HttpURLConnection;
import javax.xml.bind.DataAdapter;

import org.apache.commons.codec.digest.DigestUtils;

public class TencentCloudAPITC3Demo {
    private final static String CHARSET = "UTF-8";
    private final static String ENDPOINT = "cvm.tencentcloudapi.com";
    private final static String PATH = "/";
    private final static String SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE";
    private final static String SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3EXAMPLE";
    private final static String CT_X_WWW_FORM_URLENCODED = "application/x-www-form-urlencoded";
    private final static String CT_JSON = "application/json";
    private final static String CT_FORM_DATA = "multipart/form-data";
```

```
public static byte[] sign256(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(CHARSET));
}

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 = "1539084154";
    //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: Splice the CanonicalRequest string *****
    String httpRequestMethod = "GET";
    String canonicalUri = "/";
    String canonicalQueryString = "Limit=10&Offset=0";
    String canonicalHeaders = "content-type:application/x-www-form-urlencoded\n" + "host:" + host + "\n";
    String signedHeaders = "content-type;host";
    String hashedRequestPayload = DigestUtils.sha256Hex("");
    String canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canonicalQueryString + "\n"
        + canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload;
    System.out.println(canonicalRequest);

    // ***** Step 2: Splice the string to be signed *****
    String credentialScope = date + "/" + service + "/" + "tc3_request";
    String hashedCanonicalRequest = DigestUtils.sha256Hex(canonicalRequest.getBytes(CHARSET));
    String stringToSign = algorithm + "\n" + timestamp + "\n" + credentialScope + "\n" + hashedCanonicalRequest;
    System.out.println(stringToSign);

    // ***** Step 3: Calculate the signature *****
    byte[] secretDate = sign256(("TC3" + SECRET_KEY).getBytes(CHARSET), date);
    byte[] secretService = sign256(secretDate, service);
    byte[] secretSigning = sign256(secretService, "tc3_request");
    String signature = DatatypeConverter.printHexBinary(sign256(secretSigning, stringToSign)).toLowerCase();
    System.out.println(signature);

    // ***** Step 4: Splice 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("Host", host);
    headers.put("Content-Type", CT_X_WWW_FORM_URL_ENCODED);
    headers.put("X-TC-Action", action);
}
```

```
headers.put("X-TC-Timestamp", timestamp);
headers.put("X-TC-Version", version);
headers.put("X-TC-Region", region);
}
}
```

Python

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

# Key parameters
secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3EXAMPLE"

service = "cvm"
host = "cvm.tencentcloudapi.com"
endpoint = "https://" + host
region = "ap-guangzhou"
action = "DescribeInstances"
version = "2017-03-12"
algorithm = "TC3-HMAC-SHA256"
timestamp = 1539084154
date = datetime.utcfromtimestamp(timestamp).strftime("%Y-%m-%d")
params = {"Limit": 10, "Offset": 0}

# ***** Step 1: Splice the CanonicalRequest string *****
http_request_method = "GET"
canonical_uri = "/"
canonical_querystring = "Limit=10&Offset=0"
ct = "x-www-form-urlencoded"
payload = ""
if http_request_method == "POST":
    canonical_querystring = ""
    ct = "json"
    payload = json.dumps(params)
canonical_headers = "content-type:application/%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: Splice the string to be signed *****
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 *****
# Calculate the signature summary function
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: Splice the Authorization *****
authorization = (algorithm + " " +
"Credential=" + secret_id + "/" + credential_scope + ", " +
"SignedHeaders=" + signed_headers + ", " +
"Signature=" + signature)
print(authorization)

# Add the common parameters to the request header
headers = {
"Authorization": authorization,
"Host": host,
"Content-Type": "application/%s" % ct,
"X-TC-Action": action,
"X-TC-Timestamp": str(timestamp),
"X-TC-Version": version,
"X-TC-Region": region,
}

```

Signature Failure

The following error codes for signature failure exist based on the actual conditions. Please cope with the errors accordingly.

Error code	Error description
AuthFailure.SignatureExpire	Signature expired
AuthFailure.SecretIdNotFound	Key does not exist
AuthFailure.SignatureFailure	Signature error
AuthFailure.TokenFailure	Token error
AuthFailure.InvalidSecretId	Invalid key (not Cloud API key type)

Signature

Last updated : 2019-08-21 15:34:00

TencentCloud API authenticates each access request, i.e. each request needs to include signature information (Signature) in the common request 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, please go to the [TencentCloud API Key](#) page to apply; otherwise, you cannot call 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 include SecretId and SecretKey:

- SecretId is used to identify the API caller.
- 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 in the following steps:

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

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

2. Generating Signature String

After obtaining the security credentials (SecretId and SecretKey), you can generate a signature string. Below describes how to generate the signature string in details:

Assume that the SecretId and SecretKey are:

- SecretId: AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE
- SecretKey: Gu5t9xGARNpq86cd98joQYCN3EXAMPLE

Note: This is just a sample here. For actual operations, use your real 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	English	Parameter value
Action	Method name	DescribeInstances
SecretId	Key ID	AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE
Timestamp	Current timestamp	1465185768
Nonce	Random positive integer	11886

Parameter name	English	Parameter value
Region	Region where the instance is located	ap-guangzhou
InstanceId.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 request parameters by parameter name in ascending lexicographical order (ASCII code). Note: 1) Sort the parameters only by parameter name and keep the parameter values corresponding which don't participate in the ranking; 2) Rank the parameters by ASCII code, for example, InstanceIds.2 should be ranked after InstanceIds.12 (not by alphabet nor by value). You can do this with the aid of related sorting functions in the programming language, such as the ksort function in PHP. The sorting results of the sample parameters above are as follows:

```
{
  'Action' : 'DescribeInstances',
  'InstanceId.0' : 'ins-09dx96dg',
  'Limit' : 20,
  'Nonce' : 11886,
  'Offset' : 0,
  'Region' : 'ap-guangzhou',
  'SecretId' : 'AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE',
  'Timestamp' : 1465185768,
  'Version': '2017-03-12',
}
```

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

2.2. Splicing 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, splice together the formatted parameters with "&". The resulting request string is as follows:

```
Action=DescribeInstances&InstanceId.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE&Timestamp=1465185768&Version=2017-03-12
```

2.3. Splicing a Signature Original String

This step generates a signature original string, which consists of the following parameters:

1. Request 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 for different modules to which the API belongs. For details, 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: That is the request string generated in the previous step.

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

The splicing result of the sample is:

```
GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceId=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE&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 string using Base64 to obtain the final signature string.

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

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3EXAMPLE';
$srcStr = 'GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceId=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE&Timestamp=1465185768&Version=2017-03-12';
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));
echo $signStr;
```

The final signature string is:

```
EliP9YW3pW28FpsEdkXt/+WcGel=
```

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

3. Encoding Signature String

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

For example, if the signature string generated in the previous step is `EliP9YW3pW28FpsEdkXt/+WcGel=`, the final signature string request parameter (Signature) is `EliP9YW3pW28FpsEdkXt/+WcGel=`, 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 HTTP 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 for percent-encoding of 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 error codes for signature failure exist based on the actual conditions. Please cope with the errors accordingly.

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

5. Signature Demo

When calling API 3.0, it is 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](#)
- [JavaScript](#)
- [.NET](#)

In order to explain the signing process more clearly, the process described above is implemented below with a real-world programming language as an example. The request domain name, called API and parameter values in the sample are used here. The code here is only for explaining the signature process and not universal. For actual development, please use the SDK as much as possible.

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=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE&Signature=Elip9YW3pW28FpsEdkXt/+WcGel=&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, the URLs generated may be different in the order of the parameters during each execution with different or even the same programming languages, but this does not affect the correctness. As long as all parameters are in place and the signature is calculated correctly, it would be okay.

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 difference 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 can enable auto sorting
        // A random numbers should be used when actually calling, for example: params.put("Nonce", new Random().nextInt(java.lang.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", "AKIDz8krbsJ5yKBZQpn74WfkmLPx3EXAMPLE"); // 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("InstanceId.0", "ins-09dx96dg"); // Business parameter
        params.put("Signature", sign(getStringToSign(params), "Gu5t9xGARNpq86cd98joQYCN3EXAMPLE", "HmacSHA1")); // Common
```

```
n 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 = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3EXAMPLE"

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',
        'InstanceId.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 calling would occur here which may incur fees after success
    # resp = requests.get("https://" + endpoint, params=data)
    # print(resp.url)
```

Responses

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Response for Successful Requests

For example, when calling CVM 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 call 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 failed request must include `Error`, along with `Code` and `Message`.
- `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` describes the cause of this error and it may change as Tencent Cloud services update.
- `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	Error description
AuthFailure.InvalidSecretId	Invalid key (not TencentCloud API key type).
AuthFailure.MFAFailure	MFA error.
AuthFailure.SecretIdNotFound	The key does not exist.
AuthFailure.SignatureExpire	Signature expired.
AuthFailure.SignatureFailure	Signature error.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	Request not authorized through CAM.
DryRunOperation	DryRun operation, which means the request will succeed, but an unnecessary DryRun parameter is passed in.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Parameter error.
InvalidParameterValue	Wrong parameter value.
LimitExceeded	Quota limit is exceeded.
MissingParameter	Parameter 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 not available.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter error.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Content Management APIs

DisableCaches

Last updated : 2019-08-21 15:34:02

1. API Description

API request domain name: cdn.tencentcloudapi.com.

DisableCaches blocks accesses to the specified URL on CDN. After the URL is blocked, The 403 error will be returned, meaning that accessing the page or resource you were trying to reach is absolutely forbidden. (This API is in beta.)

Default API request rate limit: 40 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: DisableCaches
Version	Yes	String	Common parameter, the version of API: 2018-06-06
Region	No	String	Common parameter; optional for this API.
Urls.N	Yes	Array of String	List of URLs to be blocked You can submit up to 100 entries at a time and up to 3,000 entries per day

3. Output Parameters

Parameter name	Type	Description
CacheOptResult	CacheOptResult	Action result Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Blocking an URL

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=DisableCaches
&Urls.0=http://example.com/path/to.jpg
&<Common request parameter>
```

Output Sample Code

```
{
  "Response": {
    "RequestId": "f13cf55b-69e6-4937-8856-bd8965beea8c",
    "CacheOptResult": {
      "SuccessUrls": [
        "http://example.com/path/to.jpg"
      ],
      "FailUrls": []
    }
  }
}
```

5. Developer Resources

API Explorer

This tool provides various capabilities such as online call, signature verification, SDK code generation, and quick API retrieval that significantly reduce the difficulty of using TencentCloud API.

- [API 3.0 Explorer](#)

SDK

TencentCloud API 3.0 integrates software development toolkits (SDKs) that support various programming languages to make it easier for you to call the 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](#)

TCCLI

- [Tencent Cloud CLI 3.0](#)

6. Error Codes

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

Error Code	Description
InternalError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.

Error Code	Description
InternalError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CDNStatusInvalidDomain	Invalid domain name status
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.
LimitExceeded.CdnHostOpTooOften	Too frequent operations on domain name.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
UnauthorizedOperation.CdnAccountUnauthorized	The sub-account is unauthorized to query full data.
UnauthorizedOperation.CdnCamUnauthorized	No CAM policy is configured for the sub-account.
UnauthorizedOperation.CdnUserAuthFail	Fail to authenticate the CDN user.
UnauthorizedOperation.CdnUserAuthWait	CDN user authentication is pending .
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so the operation is prohibited.

EnableCaches

Last updated : 2019-08-21 15:34:02

1. API Description

API request domain name: cdn.tencentcloudapi.com.

EnableCaches enables one or more URLs that have been manually blocked. It takes about 5 to 10 minutes for the unblocked URLs to take effect across the entire network. (This API is in beta)

Default API request rate limit: 40 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: EnableCaches
Version	Yes	String	Common parameter, the version of this API: 2018-06-06
Region	No	String	Common parameter; optional for this API.
Urls.N	Yes	Array of String	List of unblocked URLs

3. Output Parameters

Parameter name	Type	Description
CacheOptResult	CacheOptResult	Result list Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Unblocking a URL

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=EnableCaches
&Urls.0=http://example.com/path/to.jpg
&<Common request parameter>
```

Output Sample Code

```
{
  "Response": {
    "RequestId": "asdasdascsa721d8ha8chsa",
    "CacheOptResult": {
      "FailUrls": [],
      "SuccessUrls": [
        "http://example.com/path/to.jpg"
      ]
    }
  }
}
```

5. Developer Resources

API Explorer

This tool provides various capabilities such as online call, signature verification, SDK code generation, and quick API retrieval that significantly reduce the difficulty of using TencentCloud API.

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

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- [Tencent Cloud CLI 3.0](#)

6. Error Codes

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

Error Code	Description
InternalServerError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.
InternalServerError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CDNStatusInvalidDomain	Invalid domain name status
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.

Error Code	Description
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
UnauthorizedOperation.CdnAccountUnauthorized	The sub-account is unauthorized to query full data.
UnauthorizedOperation.CdnCamUnauthorized	No CAM policy is configured for the sub-account.
UnauthorizedOperation.CdnUserAuthFail	Fail to authenticate the CDN user.
UnauthorizedOperation.CdnUserAuthWait	CDN user authentication is pending .
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so using this function is prohibited.

GetDisableRecords

Last updated : 2019-08-21 15:34:02

1. API Description

API request domain name: cdn.tencentcloudapi.com.

GetDisableRecords queries the records about the specified resource has been blocked and the current URL status. (This API is in beta)

Default API request rate limit: 40 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: GetDisableRecords
Version	Yes	String	Common parameter, the version of this API: 2018-06-06
Region	No	String	Common parameter; optional for this API.
StartTime	Yes	Timestamp	Start time
EndTime	Yes	Timestamp	End time
Url	No	String	Specify the URL to be queried
Status	No	String	Current URL status disable: The URL remains disabled, and accessing it returns error 403. enable: The URL is enabled (unblocked) and can be normally accessed.

3. Output Parameters

Parameter name	Type	Description
UrlRecordList	Array of UrlRecord	Blocking history Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Retrieving

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=GetDisableRecords
&StartTime=2018-12-12 10:24:00
&EndTime=2018-12-14 10:24:00
&<Common request parameter>
```

Output Sample Code

```
{
  "Response": {
    "RequestId": "f13cf55b-69e6-4937-8856-bd8965beea8c",
    "UrlRecordList": [
      {
        "Status": "enable",
        "RealUrl": "https://www.example.com/7349199.txt",
        "CreateTime": "2018-12-13 12:25:07",
        "UpdateTime": "2018-12-13 12:25:07"
      },
      {
        "Status": "disable",
        "RealUrl": "http://www.example.com/v1/example1.jpg",
        "CreateTime": "2018-12-13 14:40:59",
        "UpdateTime": "2018-12-13 14:40:59"
      }
    ]
  }
}
```

5. Developer Resources

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6. Error Codes

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

Error Code	Description
InternalError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.
InternalError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
UnauthorizedOperation.CdnAccountUnauthorized	The sub-account is unauthorized to query full data.
UnauthorizedOperation.CdnCamUnauthorized	No CAM policy is configured for the sub-account.
UnauthorizedOperation.CdnUserAuthFail	Fail to authenticate the CDN user.
UnauthorizedOperation.CdnUserAuthWait	CDN user authentication is pending .
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so using this function is prohibited.

Data Query APIs

DescribeCdnData

Last updated : 2019-08-21 15:34:02

1. API Description

API request domain name: cdn.tencentcloudapi.com.

DescribeCdnData queries CDN real-time access monitoring metrics:

- Traffic (in bytes)
- Bandwidth (in bps)
- Number of requests
- Traffic hit rate (in % with two decimal digits)
- Aggregated list of 2xx status codes and the details of status codes starting with 2 (in entries)
- Aggregated list of 3xx status codes and the details of status codes starting with 3 (in entries)
- Aggregated list of 4xx status codes and the details of status codes starting with 4 (in entries)
- Aggregated list of 5xx status codes and the details of status codes starting with 5 (in entries)

Default API request rate limit: 20 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: DescribeCdnData
Version	Yes	String	Common parameter, the version of this API: 2018-06-06
Region	No	String	Common parameter; optional for this API.
StartTime	Yes	Timestamp	Query start time, such as 2018-09-04 10:40:00; the returned result is later than or equal to the specified time According to the specified time granularity, forward rounding is applied; for example, if the query start time is 2018-09-04 10:40:00 and the query time granularity is 1 hour, the time for the first returned entry is 2018-09-04 10:00:00 The gap between the start time and end time should be less than or equal to 90 days

Parameter name	Required	Type	Description
EndTime	Yes	Timestamp	Query end time, such as 2018-09-04 10:40:00; the returned result is earlier than or equal to the specified time According to the specified time granularity, forward rounding is applied; for example, if the query end time is 2018-09-04 10:40:00 and the query time granularity is 1 hour, the time for the last returned entry is 2018-09-04 10:00:00 The gap between the start time and end time should be less than or equal to 90 days
Metric	Yes	String	Specify the query metric, which can be: flux: Traffic (in bytes) bandwidth: Bandwidth (in bps) request: Number of requests fluxHitRate: Traffic hit rate (in %) statusCode: Status code (in entries); return the aggregated data for 2xx, 3xx, 4xx, and 5xx status codes 2xx: Return the aggregated list of 2xx status codes and the data for status codes starting with 2 (in entries) 3xx: Return the aggregated list of 3xx status codes and the data for status codes starting with 3 (in entries) 4xx: Return the aggregated list of 4xx status codes and the data for status codes starting with 4 (in entries) 5xx: Return the aggregated list of 5xx status codes and the data for status codes starting with 5 (in entries) It supports the query of a specific status code; the return is empty if the status code has not been generated
Domains.N	No	Array of String	Specify the list of domain names to be queried Up to 30 domain names can be queried at a time
Project	No	Integer	Specify the project ID to be queried, and you can view project IDs Please note that if domain names are specified, this parameter will be ignored
Interval	No	String	Time granularity: 1-minute; time interval: last 24 hours (inclusive); you see a data point for every minute in last 24 hours Time granularity: 5-minute; time interval: last 31 days (inclusive); you see a data point for every 5 minutes in last 31 days Time granularity: 1-hour; time interval: last 31 days (inclusive), and it can return the details for the 1-hour granularity Time granularity: 1-day; time interval: last 31 days (inclusive); you see a data point for every 5 minutes in last 31 days
Detail	No	Boolean	When multiple Domains are specified, the default value is False, which means that the aggregated data for multiple domain names is returned You can set the value to True as needed to return the data for individual Domain (the statusCode metric is currently not supported)
isp	No	Integer	Specify the ISP to be queried; if you leave it blank, all ISPs will be queried To view ISP codes, see ISP Code Mappings
District	No	Integer	Specify the district to be queried; if you leave it blank, all districts will be queried To view district codes, see District Code Mappings

Parameter name	Required	Type	Description
Protocol	No	String	Specify the protocol to be queried; if you leave it blank, all protocols will be queried all: All protocols http: Specify the HTTP metric to be queried https: Specify the HTTPS metric to be queried
DataSource	No	String	Specify the data source to be queried, which can be seen as the whitelisting function
IpProtocol	No	String	Specify the IP protocol to be queried; if you leave it blank, all IP protocols will be queried all: All IP protocols ipv4: Specify the ipv4 metric to be queried ipv6: Specify the ipv6 metric to be queried

3. Output Parameters

Parameter name	Type	Description
Interval	String	Data granularity: min: 1-minute 5min: 5-minute hour: 1-hour day: 1-day
Data	Array of ResourceData	Returned data details of the specified conditional query
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Querying CDN Access Data

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=DescribeCdnData
&StartTime=2018-09-04 00:00:00
&EndTime=2018-09-04 12:00:00
&Metric=flux
&Domains.0=www.test.com
&<Common request parameter>
```

Output Sample Code

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

```
"RequestId": "123",
"Data": [
{
"Resource": "www.test.com",
"CdnData": [
{
"Metric": "flux",
"DetailData": [
{
"Time": "2018-09-03 00:00:00",
"Value": 10
},
{
"Time": "2018-09-03 00:05:00",
"Value": 20
}
],
"SummarizedData": {
"Name": "sum",
"Value": 30
}
}
]
},
"Interval": "5min"
}
}
```

5. Developer Resources

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- [Tencent Cloud CLI 3.0](#)

6. Error Codes

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

Error Code	Description
InternalError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.
InternalError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidMetric	Invalid statistical type. Please see the sample statistical analysis in the documentation.
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.
LimitExceeded.CdnHostOpTooOften	Too frequent operations on domain name.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
UnauthorizedOperation.CdnAccountUnauthorized	The sub-account is unauthorized to query full data.
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so the operation is prohibited.

DescribeVisit

Last updated : 2019-08-21 15:34:01

1. API Description

API request domain name: cdn.tencentcloudapi.com.

DescribeVisit describes the numbers of 5-minute and daily active users.

- Number of 5-minute active users: Deduplicate client IP addresses in the log for every 5 minutes.
- Number of daily active users: Deduplicated client IP addresses in the log for every day.

Default API request rate limit: 20 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: DescribeVisit
Version	Yes	String	Common parameter, the version this API: 2018-06-06
Region	No	String	Common parameter; optional for this API.
StartTime	Yes	Timestamp	Query start time, such as 2018-09-04 10:40:10; the returned result is later than or equal to the specified time According to the specified time granularity, forward rounding is applied; for example, if the query start time is 2018-09-04 10:40:10 and the query time granularity is 5 minutes, the time for the first returned entry is 2018-09-04 10:40:00
EndTime	Yes	Timestamp	Query end time, such as 2018-09-04 10:40:10; the returned result is earlier than or equal to the specified time According to the specified time granularity, forward rounding is applied; for example, if the query end time is 2018-09-04 10:40:10 and the query time granularity is 5 minutes, the time for the last returned entry is 2018-09-04 10:40:00
Domains.N	No	Array of String	Specify the list of domain names to be queried; up to 30 domain names can be queried at a time
Project	No	Integer	Specify the project ID to be queried, and you can view project IDs Please note that if domain names are specified, this parameter will be ignored
Interval	No	String	Data granularity: 5min: 5-minute. If the time interval to be queried is the last 24 hours (inclusive), the default value is 5min . day: 1-day.If the time interval to be queried is more than 24 hours, the default value is day .

3. Output Parameters

Parameter name	Type	Description
Interval	String	Data granularity: min: 1-minute 5min: 5-minute day: 1-day
Data	Array of ResourceData	Origin-pull data details of each resource
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Querying the Details of Active IP Addresses

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=DescribeIpVisit
&StartTime=2018-09-04 00:00:00
&EndTime=2018-09-04 12:00:00
&Domains.0=www.test.com
&<Common request parameter>
```

Output Sample Code

```
{
  "Response": {
    "RequestId": "123",
    "Data": [
      {
        "Resource": "multiDomains",
        "CdnData": [
          {
            "Metric": "ipVisit",
            "DetailData": [
              {
                "Time": "2018-09-03 00:00:00",
                "Value": 10
              },
              {
                "Time": "2018-09-03 00:05:00",
                "Value": 20
              }
            ]
          },
          {
            "SummarizedData": {
              "Name": "sum",
              "Value": 30
            }
          }
        ]
      }
    ]
  }
}
```

```
}
]
}
],
"Interval": 5
}
}
```

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6. Error Codes

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

Error Code	Description
InternalServerError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.
InternalServerError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidMetric	Invalid statistical type. Please see the sample statistical analysis in the documentation.

Error Code	Description
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so the operation is prohibited.

DescribeOriginData

Last updated : 2019-08-21 15:34:01

1. API Description

API request domain name: cdn.tencentcloudapi.com.

DescribeOriginData describes CDN real-time origin-pull monitoring metrics:

- Origin-pull traffic (in bytes)
- Origin-pull bandwidth (in bps)
- Number of origin-pull requests
- Number of failed origin-pull requests
- Origin-pull failure rate (in % with two decimal digits)
- Aggregated list of 2xx origin-pull status codes and the details of origin-pull status codes starting with 2 (in entries)
- Aggregated list of 3xx origin-pull status codes and the details of origin-pull status codes starting with 3 (in entries)
- Aggregated list of 4xx origin-pull status codes and the details of origin-pull status codes starting with 4 (in entries)
- Aggregated list of 5xx origin-pull status codes and the details of origin-pull status codes starting with 5 (in entries)

Default API request rate limit: 20 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: DescribeOriginData
Version	Yes	String	Common parameter, the version of this API: 2018-06-06
Region	No	String	Common parameter; optional for this API.
StartTime	Yes	Timestamp	Query start time, such as 2018-09-04 10:40:00; the returned result is later than or equal to the specified time According to the specified time granularity, forward rounding is applied; for example, if the query start time is 2018-09-04 10:40:00 and the query time granularity is 1 hour, the time for the first returned entry is 2018-09-04 10:00:00 The gap between the start time and end time should be less than or equal to 90 days
EndTime	Yes	Timestamp	Query end time, such as 2018-09-04 10:40:00; the returned result is earlier than or equal to the specified time According to the specified time granularity, forward rounding is applied; for example, if the query end time is 2018-09-04 10:40:00 and the query time granularity is 1 hour, the time for the last returned entry is 2018-09-04 10:00:00 The gap between the start time and end time should be less than or equal to 90 days

Parameter name	Required	Type	Description
Metric	Yes	String	Specify the query metric, which can be: flux: Origin-pull traffic (in bytes) bandwidth: Origin-pull bandwidth (in bps) request: Number of origin-pull requests failRequest: Number of failed origin-pull requests failRate: Origin-pull failure rate (in %) statusCode: Origin-pull status code; return the aggregated data for 2xx, 3xx, 4xx, and 5xx origin-pull status codes 2xx: Return the aggregated list of 2xx origin-pull status codes and the data for origin-pull status codes starting with 2 (in entries) 3xx: Return the aggregated list of 3xx origin-pull status codes and the data for origin-pull status codes starting with 3 (in entries) 4xx: Return the aggregated list of 4xx origin-pull status codes and the data for origin-pull status codes starting with 4 (in entries) 5xx: Return the aggregated list of 5xx origin-pull status codes and the data for origin-pull status codes starting with 5 (in entries) It supports the query of a specific status code; the return is empty if the status code has not been generated
Domains.N	No	Array of String	Specify the list of domain names to be queried; up to 30 domain names can be queried at a time
Project	No	Integer	Specify the project ID to be queried, and you can view project IDs Please note that if domain names are specified, this parameter will be ignored
Interval	No	String	Time granularity: 1-minute; time interval: last 24 hours (inclusive); you see a data point for every minute in last 24 hours Time granularity: 5-minute; time interval: last 31 days (inclusive); you see a data point for every 5 minutes in last 31 days Time granularity: 1-hour; time interval: last 31 days (inclusive), and it can return the details for the 1-hour granularity Time granularity: 1-day; time interval: last 31 days (inclusive); you see a data point for every 5 minutes in last 31 days
Detail	No	Boolean	When multiple Domains are specified, the default value is False, which means that the aggregated data for multiple domain names displays You can set the value to True as needed to return the data for individual Domain (the statusCode metric is currently not supported)

3. Output Parameters

Parameter name	Type	Description
Interval	String	Data granularity: min: 1-minute 5min: 5-minute hour: 1-hour day: 1-day

Parameter name	Type	Description
Data	Array of ResourceOriginData	Origin-pull data details of each resource
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Querying CDN Origin-Pull Data

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=DescribeOriginData
&StartTime=2018-09-04 00:00:00
&EndTime=2018-09-04 12:00:00
&Metric=flux
&Domains.0=www.test.com
&<Common request parameter>
```

Output Sample Code

```
{
  "Response": {
    "RequestId": "123",
    "Data": [
      {
        "Resource": "www.test.com",
        "OriginData": [
          {
            "Metric": "flux",
            "DetailData": [
              {
                "Time": "2018-09-03 00:00:00",
                "Value": 10
              },
              {
                "Time": "2018-09-03 00:05:00",
                "Value": 20
              }
            ]
          },
          {
            "SummarizedData": {
              "Name": "sum",
              "Value": 30
            }
          }
        ]
      }
    ],
    "Interval": 5
  }
}
```

```
}  
}
```

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6. Error Codes

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

Error Code	Description
InternalError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.
InternalError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnHostInvalidMiddleConfig	Incorrect intermediate server configuration
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidMetric	Invalid statistical type. Please see the sample statistical analysis in the documentation.
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.

Error Code	Description
LimitExceeded.CdnHostOpTooOften	Too frequent operations on domain name.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
ResourceNotFound.CdnUserTooManyHosts	The number of accessed domain names exceeds the limit.
UnauthorizedOperation.CdnAccountUnauthorized	The sub-account is unauthorized to query full data.
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so the operation is prohibited.

ListTopData

Last updated : 2019-08-21 15:34:01

1. API Description

API request domain name: cdn.tencentcloudapi.com.

ListTopData sorts data by using different combinations of **Metric** and **Filter** :

- Sort access URLs by total traffic and total requests and return top 1,000 URLs in descending order
- Sort client districts by total traffic and total requests and return the list of districts in descending order
- Sort client ISPs by total traffic and total requests and return the list of ISPs in descending order
- Sort domain names by total traffic, peak bandwidth, total requests, average hit rate, and 2XX/3XX/4XX/5XX status codes and return the list of domain names in descending order
- Sort domain names by total origin-pull traffic, peak origin-pull bandwidth, total origin-pull requests, average origin-pull failure rate, and 2XX/3XX/4XX/5XX origin-pull status codes and return the list of domain names in descending order

Default API request rate limit: 20 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: ListTopData
Version	Yes	String	Common parameter, the version of this API: 2018-06-06
Region	No	String	Common parameter; optional for this API.
StartTime	Yes	Timestamp	Query start date and time, such as: 2018-09-09 00:00:00
EndTime	Yes	Timestamp	Query end date and time, such as: 2018-09-10 00:00:00
Metric	Yes	String	Sort object. The following objects are supported: Url: Sort by access URL (including parameters after the question mark), and the supported Filters are flux and request (beta period now) Path: Sort by access URLs (excluding parameters after the question mark), and the supported Filters are flux and request District: Sort by district, and the supported Filters are flux and request Isp: Sort by ISP, and the supported Filters are flux and request Host: Sort by domain name access data, and the supported Filters are flux, request, bandwidth, fluxHitRate, and statistics of specific 2XX, 3XX, 4XX, and 5XX status codes originHost: Sort by domain name origin-pull data, and the supported Filters are flux, request, bandwidth, and statistics of specific origin_2XX, origin_3XX, origin_4XX, and origin_5XX origin-pull status codes

Parameter name	Required	Type	Description
Filter	Yes	String	<p>Metric name used for sorting:</p> <p>flux: If Metric is <code>host</code>, it indicates the access traffic; if Metric is <code>originHost</code>, it indicates the origin-pull traffic</p> <p>bandwidth: If Metric is <code>host</code>, it indicates the access bandwidth; if Metric is <code>originHost</code>, it indicates the origin-pull bandwidth</p> <p>request: If Metric is <code>host</code>, it indicates the number of access requests; if Metric is <code>originHost</code>, it indicates the number of origin-pull requests</p> <p>fluxHitRate: Average traffic hit rate</p> <p>2XX: Access 2XX status code</p> <p>3XX: Access 3XX status code</p> <p>4XX: Access 4XX status code</p> <p>5XX: Access 5XX status code</p> <p>origin_2XX: Origin-pull 2XX status code</p> <p>origin_3XX: Origin-pull 3XX status code</p> <p>origin_4XX: Origin-pull 4XX status code</p> <p>origin_5XX: Origin-pull 5XX status code</p> <p>statusCode: Statistics of a specific access status code which is specified in the Code parameter</p> <p>OriginStatusCode: Statistics of a specific origin-pull status code which is specified in the Code parameter</p>
Domains.N	No	Array of String	Specify the list of domain names to be queried; up to 30 domain names can be queried at a time
Project	No	Integer	Specify the project ID to be queried, and you can view project IDs . Please note that if domain names are specified, this parameter will be ignored
Detail	No	Boolean	<p>The default value is <code>False</code>, which means that the sorted results of all domain names are returned.</p> <p>If Metric is <code>Url</code>, <code>Path</code>, <code>District</code>, or <code>Isp</code> and Filter is <code>flux</code> or <code>request</code>, the value can be set to <code>True</code> to return the sorted results of each Domain</p>
Code	No	String	When Filter is <code>statusCode</code> or <code>OriginStatusCode</code> , enter a code to query and sort

3. Output Parameters

Parameter name	Type	Description
Data	Array of TopData	Return the top access data details of each resource
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Querying Top URL Access Data

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=ListTopData
&StartTime=2018-09-04 00:00:00
&EndTime=2018-09-04 12:00:00
&Metric=Url
&Filter=flux
&Domains.0=www.test.com
&Domains.1=www.test.com
&<Common request parameter>
```

Output Sample Code

```
{
  "Response": {
    "RequestId": "123",
    "Data": [
      {
        "Resource": "www.test1.com",
        "DetailData": [
          {
            "Name": "www.test1.com/1.jpg?abc=123",
            "Value": 13838
          }
        ]
      },
      {
        "Resource": "www.test2.com",
        "DetailData": [
          {
            "Name": "http://www.test2.com/1.jpg?abc=123",
            "Value": 2501
          }
        ]
      }
    ]
  }
}
```

5. Developer Resources

API Explorer

This tool provides various capabilities such as online call, signature verification, SDK code generation, and quick API retrieval that significantly reduce the difficulty of using TencentCloud API.

- [API 3.0 Explorer](#)

SDK

TencentCloud API 3.0 integrates software development toolkits (SDKs) that support various programming languages to make it easier for you to call the 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](#)

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- [Tencent Cloud CLI 3.0](#)

6. Error Codes

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

Error Code	Description
InternalError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.
InternalError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidFilter	Invalid statistical dimension. Please see the sample statistical analysis in the documentation.
InvalidParameter.CdnStatInvalidMetric	Invalid statistical type. Please see the sample statistical analysis in the documentation.
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.
InvalidParameter.CdnStatTooManyDomains	The number of queried domain names exceeds the limit.
LimitExceeded.CdnHostOpTooOften	Too frequent operations on domain name.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
UnauthorizedOperation.CdnAccountUnauthorized	The sub-account is unauthorized to query full data.
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so the operation is prohibited.

Service Query APIs

DescribeMapInfo

Last updated : 2019-08-21 15:34:01

1. API Description

API request domain name: cdn.tencentcloudapi.com.

DescribeMapInfo describes the district and ISP ID.

Default API request rate limit: 20 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: DescribeMapInfo
Version	Yes	String	Common parameter, the version of this API: 2018-06-06
Region	No	String	Common parameter; optional for this API.
Name	Yes	String	Mapping query type: isp: query ISP mapping code district: query district mapping code

3. Output Parameters

Parameter name	Type	Description
MapInfoList	Array of MapInfo	Mapping array
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Querying District/ISP Mappings

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=DescribeMapInfo
&Name=isp
&<Common request parameter>
```

Output Sample Code

```
{
  "Response": {
    "RequestId": "fcd7aded-1866-467e-a9f6-d8d00b09557e",
    "MapInfoList": [
      {
        "Id": 3947,
        "Name": "China Mobile Tietong"
      }
    ]
  }
}
```

5. Developer Resources

API Explorer

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

TCCLI

- [Tencent Cloud CLI 3.0](#)

6. Error Codes

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

Error Code	Description
InternalError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.

Error Code	Description
InternalError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidMetric	Invalid statistical type. Please see the sample statistical analysis in the documentation.
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so the operation is prohibited.

DescribePayType

Last updated : 2019-08-21 15:34:00

1. API Description

API request domain name: cdn.tencentcloudapi.com.

DescribePayType describes billing details of the current account, including billing type and billing cycle.

Default API request rate limit: 20 requests/sec.

2. Input Parameters

The following parameters are required for requesting this API, including action-specific parameters and common parameters. For more information about common parameters for all requests, see [Common Request Parameters](#).

Parameter name	Required	Type	Description
Action	Yes	String	Common parameter, the name of this API: DescribePayType
Version	Yes	String	Common parameter, the version of this API: 2018-06-06
Region	No	String	Common parameter; optional for this API.

3. Output Parameters

Parameter name	Type	Description
PayType	String	Billing type: flux: Bill-by-traffic bandwidth: Bill-by-bandwidth
BillingCycle	String	Billing cycle: day: Daily settlement month: Monthly settlement
StatType	String	Billing method: monthMax: Billed by the monthly average of daily peak traffic (monthly settlement) day95: Billed by the daily 95th percentile bandwidth (monthly settlement) month95: Billed by the monthly 95th percentile bandwidth (monthly settlement) sum: Billed by the total traffic (daily or monthly settlement) max: Billed by the peak bandwidth (daily settlement)
RequestId	String	The ID of the request. Each request returns a unique ID. The RequestId is required to troubleshoot issues.

4. Sample

Sample 1. Querying the Billing Method

Input Sample Code

```
https://cdn.tencentcloudapi.com/?Action=DescribePayType
&<Common request parameter>
```

Output Sample Code

```
{
  "Response": {
    "RequestId": "1732a0dd-48d8-4ff1-8dcb-7f04ca139825",
    "PayType": "flux",
    "StatType": "sum",
    "BillingCycle": "day"
  }
}
```

5. Developer Resources

API Explorer

This tool provides various capabilities such as online call, signature verification, SDK code generation, and quick API retrieval that significantly reduce the difficulty of using TencentCloud API.

- [API 3.0 Explorer](#)

SDK

TencentCloud API 3.0 integrates software development toolkits (SDKs) that support various programming languages to make it easier for you to call the APIs.

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

TCCLI

- [Tencent Cloud CLI 3.0](#)

6. Error Codes

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

Error Code	Description
InternalError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.

Error Code	Description
InternalServerError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so using this function is prohibited.

Data Types

Last updated : 2019-08-21 15:33:59

CacheOptResult

Result of blocking/unblocking URLs

Referenced by: DisableCaches, EnableCaches.

Name	Type	Description
SuccessUrls	Array of String	List of successful URLs Note: This field may return null, indicating that no valid values can be obtained.
FailUrls	Array of String	List of failed URLs Note: This field may return null, indicating that no valid values can be obtained.

CdnData

Detailed access data

Referenced by: DescribeCdnData, DescribeVisit, DescribeOriginData.

Name	Type	Description
Metric	String	Query the specified metric: flux: Traffic (in bytes) bandwidth: Bandwidth (in bps) request: Number of requests fluxHitRate: Traffic hit rate (in %) statusCode: Status code; return the aggregated data for 2xx, 3xx, 4xx, and 5xx status codes (in entries) 2XX: Return the aggregated list of 2xx status codes and the data for status codes starting with 2 (in entries) 3XX: Return the aggregated list of 3xx status codes and the data for status codes starting with 3 (in entries) 4XX: Return the aggregated list of 4xx status codes and the data for status codes starting with 4 (in entries) 5XX: Return the aggregated list of 5xx status codes and the data for status codes starting with 5 (in entries) Alternatively, you can specify a specific status code for querying
DetailData	Array of TimestampData	Detailed data combination
SummarizedData	SummarizedData	Aggregated data combination

MapInfo

Query the mapping between a name and an ID

Referenced by: DescribeMapInfo.

Name	Type	Description
Id	Integer	Object ID
Name	String	Object name

ResourceData

Query an object and its access details

Referenced by: DescribeCdnData and DescribeIpVisit.

Name	Type	Description
Resource	String	Resource name, which is classified as follows based on different query conditions: A specific domain name: This indicates the details of this domain name multiDomains: This indicates the aggregated details of multiple domain names Project ID: This displays the ID of the specifically queried project all: Details at the account level
CdnData	Array of CdnData	Data details of a resource

ResourceOriginData

Query an object and its origin-pull details

Referenced by: DescribeOriginData.

Name	Type	Description
Resource	String	Resource name, which is classified as follows based on different query conditions: A specific domain name: This indicates the details of this domain name multiDomains: This indicates the aggregated details of multiple domain names Project ID: This displays the ID of the specifically queried project all: Details at the account level
OriginData	Array of CdnData	Origin-pull data details

SummarizedData

Aggregated values of details; each metric has different aggregation methods based on its characteristics

Referenced by: DescribeCdnData, DescribeIpVisit, DescribeOriginData.

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

Name	Type	Description
Name	String	Aggregation method, which can be: sum: Aggregated summation max: Maximum value; in bandwidth mode, the peak bandwidth is calculated based on the aggregated data with 5-minute granularity avg: Average value
Value	Float	Aggregated data value

TimestampData

Timestamp and its corresponding value

Referenced by: DescribeCdnData, DescribePVisit, DescribeOriginData.

Name	Type	Description
Time	Timestamp	Statistical point in time in forward rounding mode Take the 5-minute granularity as an example: 13:35:00 indicates that the statistical interval is between 13:35:00 and 13:39:59
Value	Float	Data value

TopData

Data structure of sorted data

Referenced by: ListTopData.

Name	Type	Description
Resource	String	Resource name, which is classified as follows based on different query conditions: A specific domain name: This indicates the details of this domain name multiDomains: This indicates the aggregated details of multiple domain names Project ID: This displays the ID of the specifically queried project all: Details at the account level
DetailData	Array of TopDetailData	Detailed sorting results

TopDetailData

Data structure of sorted data

Referenced by: ListTopData.

Name	Type	Description
Name	String	Datatype name
Value	Float	Data value

UrlRecord

Details of the blocked URLs

Referenced by: GetDisableRecords.

Name	Type	Description
Status	String	Status (disable: blocked; enable: unblocked) Note: This field may return null, indicating that no valid values can be obtained.
RealUrl	String	Corresponding URL Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	Creation time Note: This field may return null, indicating that no valid values can be obtained.
UpdateTime	String	Update time Note: This field may return null, indicating that no valid values can be obtained.

Error Codes

Last updated : 2019-08-21 15:33:59

Feature Description

If there is an Error field in the returned result, 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, while Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error code	Description
AuthFailure.InvalidSecretId	Invalid key (not TencentCloud API key type).
AuthFailure.MFAFailure	MFA error.
AuthFailure.SecretIdNotFound	The key does not exist. Please check whether the key has been deleted or disabled in the console. If the status is normal, please check whether the key is entered correctly. Please note that there must be no leading or trailing spaces.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time must not differ by more than five minutes. Please check whether the local time matches the standard time.
AuthFailure.SignatureFailure	Signature error. Signature calculation error. Please check the signature calculation process against the API authentication document in Calling Methods.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	Request not authorized through CAM.
DryRunOperation	DryRun operation, which means the request will succeed, but an unnecessary DryRun parameter is passed in.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Parameter error.

Error code	Description
InvalidParameterValue	Wrong parameter value.
LimitExceeded	Quota limit is exceeded.
MissingParameter	Parameter 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 not available.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter error.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the passing region.

Business Error Codes

Error code	Description
InternalServerError.CdnDbError	Internal data error. Please submit a ticket for troubleshooting.
InternalServerError.CdnSystemError	System error. Please submit a ticket for troubleshooting.
InvalidParameter.CDNStatusInvalidDomain	Invalid domain name status
InvalidParameter.CdnHostInvalidMiddleConfig	Incorrect intermediate server configuration
InvalidParameter.CdnHostInvalidParam	Invalid domain name format. Please check and try again.
InvalidParameter.CdnInterfaceError	Internal API error. Please submit a ticket for troubleshooting.
InvalidParameter.CdnParamError	Parameter error. Please see the sample parameters in the documentation.
InvalidParameter.CdnStatInvalidDate	Invalid date. Please see the sample date in the documentation.
InvalidParameter.CdnStatInvalidFilter	Invalid statistical dimension. Please see the sample statistical analysis in the documentation.
InvalidParameter.CdnStatInvalidMetric	Invalid statistical type. Please see the sample statistical analysis in the documentation.
InvalidParameter.CdnStatInvalidProjectId	Incorrect project ID. Please check and try again.

Error code	Description
InvalidParameter.CdnStatTooManyDomains	The number of queried domain names exceeds the limit.
LimitExceeded.CdnHostOpTooOften	Too frequent operations on domain name.
ResourceNotFound.CdnHostNotExists	This domain name does not exist under the account. Please check and try again.
ResourceNotFound.CdnUserNotExists	The CDN service has not been activated. Please activate it first before using this API.
ResourceNotFound.CdnUserTooManyHosts	The number of accessed domain names exceeds the limit.
UnauthorizedOperation.CdnAccountUnauthorized	The sub-account is unauthorized to query full data.
UnauthorizedOperation.CdnCamUnauthorized	No CAM policy is configured for the sub-account.
UnauthorizedOperation.CdnUserAuthFail	Fail to authenticate the CDN user.
UnauthorizedOperation.CdnUserAuthWait	CDN user authentication is pending .
UnauthorizedOperation.CdnUserIsSuspended	The CDN service has been suspended. Please restart it and try again.
UnauthorizedOperation.CdnUserNoWhitelist	You are not on the whitelist, so the operation is prohibited.

CDN API 2017

API Documents

Introduction

Last updated : 2019-08-06 11:32:40

Content delivery network (CDN) service deploys your business content to the edge node nearest to your users so as to allow them to acquire desired content from the node, improving response speed and success rate for user accesses. This will solve the problems such as high latency, poor user experience caused by factors like regions, bandwidth and server capacities.

Users can perform relevant operations such as connecting domains, modifying domain configurations, querying consumption data, purging resources, by using APIs which will be introduced in this document. For details about supported operations, please refer to [API Overview](#).

Please make sure that you have a thorough understanding of [CDN Product Introductions](#) and [Billing Instructions](#) before using these APIs.

1. Glossary

To allow you to understand the concepts of CDN faster, we have made explanations about some of the commonly used terms in this table:

Term	Full Name	Description
CDN	Content Delivery Network	Acceleration method, which deploys business contents to edge nodes and allow users to acquire desired content faster.
CNAME	Canonical Name	Canonical name record used for domain resolution. You can set CNAME at the domain service provider.
Origin	Origin Server	Business server owned by the user

2. API Quick Start

You need to complete the following two steps before you can use CDN:

1. Adding Domain

You can use the [Add Accelerated Domain](#) API to add your domain into CDN (The domain is required to have been licensed by MIIT and have not been connected to Tencent Cloud CDN). Once added, CDN will assign a corresponding CNAME for the domain, which can be viewed from the console.

2. Configuring CNAME

Go to the domain service provider and [configure CNAME](#) which you obtained in the last step. You will be able to start using CDN service once the domain resolution is in effect.

3. Service Limits

Currently, all users may use CDN service in any scenarios.

API Overview

Last updated : 2018-09-19 15:54:45

Domain Name Management

API	Action Name	Description
Add accelerated domain name	AddCdnHost	Add a domain to CDN
Enable CDN domain name	OnlineHost	Enable the acceleration service for a domain name
Disable CDN domain name	OfflineHost	Disable the acceleration service for a domain name
Delete accelerated domain name	DeleteCdnHost	Delete an accelerated domain name

Configuration Management

API	Action Name	Description
Modify domain configuration	UpdateCdnConfig	Modify the acceleration configuration for a domain name. The following configuration items can be modified: Modify origin server configuration Modify slave server information Modify host header Enable/disable "Ignore query string" Modify refer blacklist/whitelist configuration Modify IP blacklist/whitelist configuration Enable/Disable video dragging Modify cache expiration time configuration Enable/Disable advanced cache expiration configuration Enable/Disable Intermediate server configuration Configure capped bandwidth Set response header Set request header
HTTPS Configuration	SetHttpsInfo	You can configure HTTPS acceleration by uploading a certificate Change the origin-pull method to protocol following or HTTP You are allowed to modify the configuration of HTTPS forced redirection
Switch project of domain name	UpdateCdnProject	Modify the project of a domain name

Configuration Query

API	Action Name	Description
Query domain name list	DescribeCdnHosts	Query the configuration of a domain name

API	Action Name	Description
Query domain name configuration (domain name)	GetHostInfoByHost	Query the configuration by a specified domain name
Query domain name configuration (ID)	GetHostInfoById	Query the configuration by a specified domain name ID

Data Query

API	Action Name	Description
Query statistical summary	DescribeCdnHostInfo	Query the following statistical summary items in a specified time range for a domain name: Peak bandwidth Total traffic Total number of requests Average value of request number hit rate
Query consumption details	DescribeCdnHostDetailedInfo	Query the following statistical details in a specified time range for a domain name: Bandwidth Traffic Number of requests Hit traffic Number of hit requests Status codes
Query the statistical details of origin-pull	GetCdnOriginStat	Query the statistical details of the following origin-pull items in a specified time range for a domain name: Origin-pull bandwidth Origin-pull traffic Number of origin-pull requests Number of failed origin-pull requests
Query TOP 100 URLs	GetCdnStatTop	The statistics at the following detentions are sorted by specified traffic/number of requests: Statistics of TOP 100 URL Ranking of provinces Ranking of ISPs
Query details by ISPs/provinces	GetCdnProvIspDetailStat	Query the details of bandwidth by specified provinces and ISPs

Purge and Prefetch

API	Action Name	Description
Query purge logs	GetCdnRefreshLog	Query the execution status of submitted purge tasks
URL purge	RefreshCdnUrl	Submit URL for purge
Directory purge	RefreshCdnDir	Submit directory for purge

API	Action Name	Description
URL prefetch	CdnPusherV2	Submit URL for prefetch (under internal trial)
Query prefetch logs	GetPushLogs	Query the execution status of submitted prefetch tasks (under internal trial)
One-click purge of domestic and overseas resources	FlushOrPushOverall	Purge domestic and overseas CDN resources when submitting the URL

Log Query

API	Action Name	Description
Query log download links (V1)	GenerateLogList	Query daily log download links of a domain name in a month based on the domain name ID entered by user (only one ID is allowed)
Query log download links (V2)	GetCdnLogList	Query download links for logs in a specified time range, based on the domain name entered by user

Sample Codes

Last updated : 2017-03-21 16:58:06

To help you quickly use the Content Delivery Network (CDN) API, we will give you an example.

To use the Content Delivery Network, you need to add an accelerated domain to the CDN first. The domain must meet the following conditions:

- It has not been added to Tencent Cloud CDN;
- It has been filed with MIIT for the record.

Add Accelerated Domain

Here we add a domain `www.test.com` to Tencent Cloud CDN. We specify the project as default project (project ID is 0), self-owned origin as the connection method, and 8.8.8.8 as the origin server IP address. The API request parameters are as follows:

Parameter Name	Description	Value
host	The domain host to be added	www.test.com
projectId	The project to which the specified domain is added	0
hostType	The connection type. Only two values are available: "cname" means that the user is using a self-owned origin server, and "ftp" means that the user is using FTP hosted origin provided by CDN. Note: If you select FTP origin, you do not need to enter origin server configurations.	cname
origin	Origin server configuration. This can be set to an origin server domain, or set to multiple origin server IPs (the "ip: port" type is supported, such as 8.8.8.8:8080). The port number should be between 0 and 65535 (exclusive of 0)	8.8.8.8

By combining common request parameters and API request parameters, you can get the final form of request as follows:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=AddCdnHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462440051
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXX
&host=www.test.com
&projectId=0
&hostType=cname
&origin=8.8.8.8
```

The returned result of the above request is as follows, which indicates that the domain has been successfully added:

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success"
}
```

Calling Method

Request Structure

Request Structure

Last updated : 2017-03-21 16:57:15

The calls to Tencent Cloud APIs are achieved by sending requests to the server IP addresses of these APIs and adding relevant request parameters in the requests as described in API descriptions. A request for calling Tencent Cloud API is made up of the following elements:

1. Service Address

The service connection address of Tencent Cloud APIs depend on the modules. For more details, refer to the API descriptions.

2. Communication Protocol

All Tencent Cloud APIs make communications over **HTTPS** to provide high-security channels.

3. Request Methods

Tencent Cloud APIs support both POST and GET requests.

Note:

- 1. The two methods cannot be mixed. If GET method is used, parameters are obtained from the Querystring. If POST method is used, parameters are obtained from the Request Body, and the parameters in the Querystring will be ignored. The rules for parameter formats are the same for both methods. Generally, GET method is used, while POST method is used if the parameter strings are too long.**
- 2. If GET method is used, all request parameters need to be encoded with URL encoding. If POST method is used, this is not needed.**

4. Request Parameters

Two kinds of parameters are needed to specified for each request for Tencent Cloud APIs - common request parameters and API request parameters. Common request parameters are the parameters common to all APIs (For more details, refer to [Common Request Parameters](#) section), while API request parameters are parameters specific to each API (For more information, refer to "Request Parameters" description of each API.)

5. Character Encoding

All requests for Tencent Cloud APIs and returned results use UTF-8 character set for encoding.

Public Request Parameters

Last updated : 2017-05-08 11:24:06

Common request parameters are the parameters common to all APIs, and will not be discussed in the document for each API unless it is necessary to do so. They are required in each request for the request to be initiated normally. The first letter of each common request parameter is uppercase so that the parameter can be differentiated from API-specific request parameters.

Common request parameters are listed as follows:

Name	Type	Description	Required
Action	String	The name of the API for the desired operation. For example, if you want to call the API of Query Domain Information , the Action parameter is DescribeCdnHosts.	Yes
Region	String	Identify the region to which the instance you want to operate belongs. The parameter values for regions are as follows: Beijing: bj, Guangzhou: gz, Shanghai: sh, Hong Kong: hk, North America: ca. Note: CDN is not region-specific, so this parameter is not required.	No
Timestamp	UInt	The current UNIX timestamp that records the time at which the API request was initiated.	Yes
Nonce	UInt	A random positive integer that is used in conjunction with Timestamp to prevent replay attacks.	Yes
SecretId	String	SecretId for identifying identity that is applied for on Cloud API Key . A SecretId corresponds to a unique SecretKey, which is used to generate the request Signature. For more information, please refer to Signature Method .	Yes
Signature	String	Request signature used to verify the legitimacy of the request and automatically generated by system according to input parameters. For more information, please refer to Signature Method .	Yes

Assuming that the user wants to query the list of all domains connected to CDN, the request link may be as follows:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=DescribeCdnHosts
&SecretId=xxxxxxx
&Timestamp=1465055529
&Nonce=59485
&Signature=mysignature
&<API Request Parameters>
```

A complete request needs two types of request parameters: common request parameters and API request parameters. Only five common request parameters are listed above (Region parameter is not required). For information on API parameters, refer to [API Request Parameters](#) section.

API Request Parameters

Last updated : 2017-03-21 16:57:24

API request parameters are specific to each API. This means that different APIs support different API request parameters. The first letter of each API request parameter is lowercase so that the parameter can be differentiated from common request parameters.

Take [Query Domain Information by Domain](#) (GetHostInfoByHost) as an example. This API supports the following API request parameters:

Parameter Name	Required	Type	Description
hosts.n	Yes	String	Domain to be queried

The description of each field is as follows:

Parameter Name	The name of request parameter supported by the API, which the user can use as an API request parameter when using this API. Note: When a parameter name ends with ".n", it means the parameter is an array, and you need to pass the array parameters in sequence when using it. For example, when using "Query Domain Information by Domain" API (GetHostInfoByHost), if you pass the parameter <code>hosts.0=www.abc.com&hosts.1=www.def.com</code> , you will be querying information about two domains whose hosts are <code>www.abc.com</code> and <code>www.def.com</code> , respectively.
Required	Indicate whether this parameter is required. If it is "Yes", it means that the parameter is mandatory for the API; If it is "No", the parameter is not mandatory. If all the API request parameters are not mandatory, the API call can be achieved simply by using common request parameters.
Type	The data type of the API parameter.
Description	A brief description of the API request parameter.

Assuming that a user wants to query the details of `www.abc.com` and `www.def.com`, the request link may be as follows:

```
https://cdn.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&hosts.0=www.abc.com  
&hosts.1=www.def.com
```

A complete request needs two types of request parameters: common request parameters and API request parameters. Only API request parameters are listed above. For information on common request parameters, refer to [Common Request Parameters](#) section.

Final Request

Last updated : 2017-03-21 16:57:28

The final request URL is made up of the following elements:

- 1) Request domain: The request domain to query domain list (DescribeCdnHosts) is cdn.api.qcloud.com. The actual request domain varies depending on the module to which the API belongs. For more information, refer to descriptions of APIs.
- 2) Request path: The request path of Cloud API is always /v2/index.php.
- 3) Final request parameter string: By combining common request parameters and API request parameters,

you can get the final form of request URL as follows:

```
https:// + request domain name + request path + ? +final request parameter string
```

The final request URL is as follows (the first five parameters are common request parameters, and the last two ones are API request parameters):

GET Request

```
https://cdn.api.qcloud.com/v2/index.php?  
Nonce=123456789  
&Timestamp=1462434006  
&Action=DescribeCdnHosts  
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&offset=0  
&limit=10
```

POST Request

```
https://cdn.api.qcloud.com/v2/index.php
```

The array of parameters is as follows:

```
array (  
  'Nonce' => 123456789,  
  'Timestamp' => 1462782282,  
  'Action' => 'DescribeCdnHosts',  
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
  'offset' => '0',  
  'limit' => '10'  
)
```

Returned Results

Correct Result

Last updated : 2017-03-21 16:57:37

If the API call succeeds, the error code in the returned result is 0, the error message field is left empty, codeDesc is Success, and the returned result is displayed.

Examples are as follows:

```
{  
  "code":0,  
  "message":",  
  "codeDesc": "Success",  
  <Returned result>  
}
```


Wrong Result

Last updated : 2017-03-21 16:57:41

If the API call fails, the error code in the returned result is not 0, the message field displays the detailed error information, and codeDesc is the error code on business side. The user can query the error message according to the code in the error code page.

Example of returned error:

```
{
  "code": 4000,
  "message": "(9110) Information for this domain does not exist. cdn no such host",
  "codeDesc": 9110
}
```

Error Codes

Last updated : 2018-05-28 16:16:38

1. Common Error Code

The error code in the returned result indicates the result of user's call to a Cloud API. Code is a common error code that applies to the APIs of all modules. If the code is 0, it means the call succeeds. If not, it means the call fails. If the call fails, the user can find out the cause of the error based on the following table and take appropriate actions.

Error Code	Error Type	Description
4000	Invalid request parameters	The required parameters are missing, or the parameter values are not in the correct format. For specific error message, see the error description "message" field.
4100	Authentication failed	Signature authentication failed. Please refer to the Authentication section in the document.
4200	Request expired	The request has expired. Please refer to the Request Validity Period section in the document.
4300	Access denied	Account is blocked or not within the user range of the API.
4400	Quota is exceed	The number of requests exceeds the quota. Please refer to the Request Quota section in the document.
4500	Replay attack	The Nonce and Timestamp parameters can ensure that each request will be executed only once on the server. Therefore, the Nonce value cannot be the same as last one, and the difference between Timestamp and Tencent server time cannot be greater than 2 hours.
4600	Protocol is not supported	The protocol is not supported. Please refer to the relevant document.
5000	Resource does not exist	The instance corresponding to resource ID does not exist, or the instance has been returned, or another user's resource is accessed.
5100	Resource operation failed	The operation performed on the resource failed. For the detailed error message, refer to the message field in error description. Try again later or contact customer service personnel for help.
5200	Failed to purchase resource	The resource purchase failed. This is may be caused by unsupported instance configuration or insufficient resource.
5300	Failed to purchase resource	The resource purchase failed because of insufficient balance.
5400	Part of operations performed successfully	Part of batch operations have been performed successfully. For more details, see the returned value of method.
5500	User failed to pass identity	The resource purchase failed because the user failed to pass identity verification.

	verification	
6000	Internal error on server	An internal error occurred on the server. Try again later or contact customer service personnel for help.
6100	Not supported by the version	This API is not supported in this version or the API is under maintenance. Note: When this error occurs, first check whether the domain name of the API is correct. Different modules may have different domain names.
6200	API is unavailable temporarily	The API is under maintenance and is unavailable. Please try again later.

2. Module Error Code

Message field indicates a module-related error.

Example:

```
"message": "(100004) projectId is incorrect"
```

It consists of two parts - the string within () indicates the module error code, and the string following () is the error description. Different modules may produce different errors. The user can identify the cause of error based on error description.

Sample Codes

Last updated : 2018-07-26 10:16:43

Sample Download Links

CDN provides the following sample codes:

- PHP: [Get Code](#)
- Python: [Get Code](#)
- Java: [Get Code](#)
- Go: [Get Code](#)

The sample codes are for reference only. Please use the codes based on your actual needs.

Sample Code (PHP)

Take [DescribeCdnHosts](#) as an example:

```
<?php
/*Your key is required. You can obtain SecretId and $secretKey from https://console.cloud.tencent.com/capi*/
$secretKey='YOUR_SECRET_KEY';
$secretId='YOUR_SECRET_ID';
$action='DescribeCdnHosts';

$HttpUrl="cdn.api.qcloud.com";

/*All APIs other than MultipartUploadVodFile support GET and POST methods unless specified otherwise*/
$HttpMethod="POST";

/*Most APIs are based on HTTPS protocol, except a small number of APIs such as MultipartUploadVodFile*/
$isHttps =true;

/*The following five parameters are the common parameters of all APIs. For some APIs that are not region-specific (e.g. DescribeDeals), the Region parameter is not required*/
$COMMON_PARAMS = array(
'Nonce' => rand(),
'Timestamp' =>time(NULL),
'Action' =>$action,
'SecretId' => $secretId
);

$PRIVATE_PARAMS = array();

/*****/

CreateRequest($HttpUrl,$HttpMethod,$COMMON_PARAMS,$secretKey, $PRIVATE_PARAMS, $isHttps);

function CreateRequest($HttpUrl,$HttpMethod,$COMMON_PARAMS,$secretKey, $PRIVATE_PARAMS, $isHttps)
{
```

```

$FullHttpUrl = $HttpUrl."/v2/index.php";

/*****Sort the request parameters in ascending lexicographical order by their names (case-sensitive)*****/
$ReqParaArray = array_merge($COMMON_PARAMS, $PRIVATE_PARAMS);
ksort($ReqParaArray);

/*****Generate original signature text*****/
* Combine the request method, URI address, and sorted request parameters into the following format to generate the original signature text. In this example, the original signature text is as follows:
* GETcvm.api.qcloud.com/v2/index.php?Action=DescribeInstances&Nonce=345122&Region=gz
* &SecretId=AKIDz8krbsJ5yKBZQ·1pn74WFkmLPx3gnPhESA&Timestamp=1408704141
* &instanceIds.0=qcvm12345&instanceIds.1=qcvm56789
* *****/
$SigTxt = $HttpMethod.$FullHttpUrl."?";

$isFirst = true;
foreach ($ReqParaArray as $key => $value)
{
if (!$isFirst)
{
$SigTxt = $SigTxt."&";
}
$isFirst= false;

/*In the combination of original signature text, any "_" in the parameter names should be replaced with "."*/
if(strpos($key, '_'))
{
$key = str_replace('_', '.', $key);
}

$SigTxt=$SigTxt.$key."=".$value;
}

/*****Generate a Signature based on the original signature string $SigTxt*****/
$Signature = base64_encode(hash_hmac('sha1', $SigTxt, $secretKey, true));

/*****Combine the request strings. The request parameters and signature string need to be encoded using urlencode*****/
$Req = "Signature=".urlencode($Signature);
foreach ($ReqParaArray as $key => $value)
{
$Req=$Req."&".$key."=".urlencode($value);
}

/*****Send request*****/
if($HttpMethod === 'GET')
{
if($isHttps === true)
{
$Req="https://".$FullHttpUrl."?".$Req;
}
else
{
$Req="http://".$FullHttpUrl."?".$Req;
}
}

```

```
$Rsp = file_get_contents($Req);

}
else
{
if($isHttps === true)
{
$Rsp= SendPost("https://".$FullHttpUrl,$Req,$isHttps);
}
else
{
$Rsp= SendPost("http://".$FullHttpUrl,$Req,$isHttps);
}
}

var_export(json_decode($Rsp,true));
}

function SendPost($FullHttpUrl, $Req, $isHttps)
{

$ch = curl_init();
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, $Req);

curl_setopt($ch, CURLOPT_URL, $FullHttpUrl);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);
if ($isHttps === true) {
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, false);
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, false);
}

$result = curl_exec($ch);

return $result;
}
```

Manage Domain Names

Add Acceleration Domain Name

Last updated : 2018-05-10 15:03:00

1. API Description

This API (AddCdnHost) is used to add an accelerated domain.

Domain for API request: cdn.api.qcloud.com

- 1) The domain to be connected must have not been connected to Tencent Cloud CDN;
- 2) The domain to be connected must have been filed with MIIT for the record;
- 3) With this API, only one domain can be added to Tencent Cloud CDN at a time.

[Call Demo](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. For more information, refer to [Common Request Parameters](#). The Action field for this API is AddCdnHost.

Parameter Name	Required	Type	Description
host	Yes	String	The domain to be connected
projectId	Yes	String	Project ID, i.e., the ID of the project to which the domain is to be added
hostType	Yes	String	The connection method of the domain. Only two values are available: "cname" means that the user uses a self-owned origin server, and "ftp" means that the user uses FTP hosted origin provided by CDN. Note: If you select FTP, you do not need to enter origin server configurations.
origin	No	String	Configuration of the origin server. You can configure one domain or multiple origin server IPs (the type of "ip:port" is supported, such as 8.8.8.8:8080). The port number should be between 0 and 65535 (exclusive of 0).

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API
codeDesc	String	English error message or error code at business side.

4. Example

4.1 Input Example

```
host: www.test.com
projectId: 0
hostType: cname
origin: 8.8.8.8:8080
```

4.2 GET Request

For GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=AddCdnHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462440051
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&host=www.test.com
&projectId=0
&hostType=cname
&origin=8.8.8.8:8080
```

4.3 POST Request

For POST request, the parameters need to be filled in HTTP Request-body. Request address:

```
https://cdn.api.qcloud.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (
  'Action' => 'AddCdnHost',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462868615,
  'Nonce' => 520585444,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'host' => 'www.test.com',
  'projectId' => '0',
  'hostType' => 'cname',
  'origin' => '8.8.8.8:8080'
)
```

4.4 Example of Returned Result

Added successfully

```
{
  "code": 0,
  "message": ""
```



```
"codeDesc": "Success"  
}
```

Addition failed

```
{  
  "code": 4000,  
  "message": "(20004) Not filed cdn audit no icp [cdn audit no icp [The current domain has not been filed with MIIT for the record]]",  
  "codeDesc": 20004  
}
```

Activating CDN Domain Name

Last updated : 2018-05-09 14:44:47

API Description

OnlineHost is used to activate the acceleration service for the specified domain name.

Domain name for API request: cdn.api.qcloud.com

Notes:

- Only one domain name can be activated at a time.
- You can only activate a "Closed" domain name.
- The frequency of calling the API is limited to 100 times/min.

[View the example](#)

Input Parameters

The following request parameter list only provides the API request parameters. Common request parameters are required when the API is called. For more information, please see [Common Request Parameters](#) page. The Action field for this API is OnlineHost.

Parameter Name	Required	Type	Description
host	No	String	Accelerated domain name to activate
hostId	No	Int	ID of the accelerated domain name to activate

Notes

- You can use APIs [Query Domain Name Information by Domain Name](#) and [Query Domain Name Information](#) to obtain the ID of the host.
- Either host or hostId must be specified for query.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API.
codeDesc	String	Error message or error code at business side. For more information, please see Business Error Codes on the Error Codes page.

Example

Sample Parameters

```
hostId: 1234
```

GET Request

For a GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=OnlineHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462436277
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXX
&hostId=1234
```

POST Request

For a POST request, the parameters are input in HTTP Request-body. The request address is:

```
https://cdn.api.qcloud.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (
  'Action' => 'OnlineHost',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXX',
  'hostId' => 1234
)
```

Example of Result

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success"
}

{
  "code": 4000,
  "message": "(9177) The domain name has gone online cdn host online[host online]",
  "codeDesc": 9177
}
```

Close CDN Domain Name

Last updated : 2018-05-09 14:45:17

API Description

This API (**OfflineHost**) is used to disable the acceleration service for a specified domain name.

Domain name for API request: cdn.api.qcloud.com

Notes:

- Only one CDN domain name can be disabled at a time
- After the domain name is disabled, a 404 error is returned from CDN node. Make sure that the resolved IP has been moved away from CDN before the domain name is disabled.
- You can only disable an "Enabled" domain name.
- The frequency of calling the API is limited to 100/min.

[View the example](#)

Input Parameters

The following request parameter list only provides the API request parameters. Common request parameters are required when the API is called. For more information, please see [Common Request Parameters](#) page. The Action field for this API is OfflineHost.

Parameter Name	Required	Type	Description
hostId	No	Int	ID of the domain name to be disabled
host	No	String	Accelerated domain to be disabled

Notes

- You can use APIs [Query Domain Name Information by Domain Name](#) and [Query Domain Name Information](#) to obtain the ID of the host.
- Either host or hostId must be specified for query.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API.
codeDesc	String	Error message or error code at business side. For more information, please see Business Error Codes on the Error Codes page.

Example

Sample Parameters

```
hostId: 1234
```

GET Request

For a GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?  
Action=OfflineHost  
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&Timestamp=1462436277  
&Nonce=123456789  
&Signature=XXXXXXXXXXXXXXXXXXXXXXXX  
&hostId=1234
```

POST Request

For a POST request, the parameters are input in HTTP Request-body. The request address is:

```
https://cdn.api.qcloud.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (  
'Action' => 'OfflineHost',  
'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
'Timestamp' => 1462782282,  
'Nonce' => 123456789,  
'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
'hostId' => 1234  
)
```

Example of Result

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success"  
}  
  
{  
  "code": 4000,  
  "message": "(9175) Deploying status cdn host in progress[host in progress]",  
  "codeDesc": 9175  
}
```

Deleting Acceleration Domain Name

Last updated : 2018-01-19 15:58:34

1. API Description

This API (DeleteCdnHost) is used to delete the specified CDN domain.

Domain for API request: cdn.api.qcloud.com

- 1) Only one domain can be deleted at a time;
- 2) Only domains in Closed status can be deleted.

[Call Demo](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. For more information, refer to [Common Request Parameters](#). The Action field for this API is DeleteCdnHost.

Parameter Name	Required	Type	Description
hostId	Yes	Int	The domain ID to be deleted

Note

- You can use APIs [Query Domain Information by Domain Name](#) and [Query Domain Information](#) to obtain the ID of the host;
- Closed COS-synchronized read-only domains, such as domains with ".file.myqcloud.com" as suffix, can also be deleted.

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API.
codeDesc	String	English error message or error code at business side.

4. Example

4.1 Input Example

```
hostId: 1234
```

4.2 GET Request

For GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=DeleteCdnHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462436277
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXX
&hostId=1234
```

4.3 POST Request

For POST request, the parameters need to be filled in HTTP Request-body. Request address:

```
https://cdn.api.qcloud.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (
  'Action' => 'DeleteCdnHost',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX=',
  'hostId' => 1234,
)
```

4.4 Example of Returned Result

Deleted successfully

```
{
  "retcode": 0,
  "errmsg": "ok",
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": []
}
```

Deletion failed

```
{
  "code": 4000,
  "message": "(22200) DnsPod API exception cdn dp system error[cdn dp system error[connect () timed out!]]",
  "codeDesc": 22200
}
```

Modifying Domain Name Configuration

Last updated : 2018-07-19 17:46:51

API Description

This API (**UpdateCdnConfig**) is used to modify the configuration information of accelerated domain names.

Domain name for API request: cdn.api.qcloud.com

Notes:

- You can only modify the configuration information of one domain name at a time.
- You can modify multiple configuration information of a specified domain name at a time.
- Calling the API can reach 100 times/min at most.

Supported Configuration:

- Modify origin server configuration
- Modify slave server information
- Modify original-pull host
- Enable/disable "Ignore query string"
- Modify refer blacklist/whitelist configuration
- Modify IP blacklist/whitelist configuration
- Enable/disable video dragging
- Modify cache expiration time configuration
- Enable/disable advanced cache expiration configuration
- Enable/disable intermediate server configuration
- Configure capped bandwidth
- Set response header
- Set request header

[View the example](#)

Input Parameters

The following request parameter list only provides the API request parameters. Common request parameters are required when the API is called. For more information, please see [Common Request Parameters](#) page. The Action field for this API is UpdateCdnConfig.

Parameter Name	Required	Type	Description
hostId	No	Int	The ID of domain name to be modified
host	No	String	The domain name to be modified

Parameter Name	Required	Type	Description
origin	no	String	Origin server configuration. You can configure one domain name or multiple origin server IPs Available port range: 0-65535 Domain name mode: www.test.com:8080 IP mode: 1.1.1.1:8080, 2.2.2.2:8080
backupOrigin	no	String	Backup origin server configuration. You can configure one domain name or multiple origin server IPs Available port range: 0-65535 Domain name mode: www.test.com:8080 IP mode: 1.1.1.1:8080, 2.2.2.2:8080
fwdHost	No	String	Origin-pull Host, which is the parameter "host" in the HTTP header sent from CDN node to origin.
fullUrl	No	String	"Ignore Query String" configuration "on": Disable "off": Enable
refer	No	String	Hotlink protection configuration. For more information, please see the description below
accessIp	No	String	IP blacklist/whitelist configuration. For more information, please see the description below
videoSwitch	No	String	Video dragging configuration "on": Enable "off": Disable
cache	No	String	Cache expiration time configuration. For more information, please see the description below
cacheMode	No	String	Cache mode setting "simple": Cache completely depends on the console "custom": Cache depends on the cache expiration time set by the console and the minimum value in max-age set by origin server
middleResource	No	String	Intermediate server configuration "on": Enable "off": Disable
capping	No	String	Capped bandwidth setting. For more information, please see the description below
rspHeader	No	String	Response Header setting. For more information, please see the description below
reqHeader	No	String	Request Header settings. For more information, please see the description below

Descriptions of "refer", "accessIp", "cache", "capping", "rspHeader" and "reqHeader"

refer

Sample Parameters

```
[1,["qq.baidu.com", "*.baidu.com"],1]
```

The first field specifies the type of refer:

- 0: Do not set hotlink protection
- 1: Set blacklist
- 2: Set whitelist

The second field is the specific list. The third field indicates whether to include blank "refer":

- 1: Include blank "refer"
- 0: Do not include blank "refer"

accessIp

Sample Parameters

```
{"type":1,"list":["1.2.3.4","2.3.4.5"]}
```

The first parameter "type" indicates the blacklist/whitelist type:

- 1: Blacklist
- 2: Whitelist

The second parameter "list" indicates the corresponding blacklist IP list. IP address ranges can be configured in the following formats: /8, /16, /24.

A maximum of 100 and 50 IPs can be configured in a blacklist and a whitelist, respectively.

cache

Sample Parameters

```
[[0,"all",1000],[1,".jpg;.js",2000],[2,"/www/html",3000],[3,"/www/1.html",1000]]
```

The first parameter indicates the cache type. Four types are available:

- 0: All types. This means all files are matched. This is the default cache configuration.
- 1: File type. This means matching files based on filename extensions.
- 2: Folder type. This means matching based on directories.

The second parameter specifies the matching rule:

- 0: Always entered with "all".
- 1: Suffix, such as .jpg;.js, separated with ";".
- 2: Directory, such as /www/html, /www/anc/, separated with ";".
- 3: Full path, such as /www/1.html, /www/2.html, separated with ";".

The third parameter specifies the cache expiration time (in seconds).

"cache" is ranked according to the rule sequence in priority order (from top to bottom).

capping

Sample Parameters

```
{"bandwidth":1000000, "unit":"K", "overflow":"origin", "active":"yes"}
```

Description:

- bandwidth: Capped bandwidth value (in Bps)
- uint: The unit displayed on the console. Convert the above values (Bps) to other units. K means Kbps, M means Mbps, G means Gbps and T means Tbps.
- overflow: A response is returned when the threshold is exceeded. "origin": Return to origin server in full volume. "404": 404 is returned for all requests.
- active: "yes": "capping" is enabled. "no": "capping" is disabled.

rspHeader**Sample Parameters**

```
{"Content-Language":"zh_CN","Access-Control-Allow-Origin":"https://www.test.com"}
```

Response Header only supports the following header settings:

- Content-Disposition
- Content-Language
- Access-Control-Allow-Origin
- Access-Control-Allow-Methods
- Access-Control-Max-Age
- Access-Control-Expose-Headers

According to HTTP protocol, Access-Control-Allow-Origin can only be set as "*" or a domain name (with a header of http:// or https://), and "value" cannot exceed 1,000 Bytes.

reqHeader**Sample Parameters**

```
{"cdn":"tencent"}
```

"value" cannot exceed 1,000 Bytes.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API.
codeDesc	String	Error message or error code at business side. For more information, please see Business Error Codes on the Error Codes page.

Example

Sample Parameters

```
host: www.test.com
reqHeader: {"cdn": "tencent"}
```

GET Request

For a GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=UpdateCdnConfig
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462872270
&Nonce=541116052
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&host=www.test.com
&reqHeader={"cdn": "tencent"}
```

POST Request

For a POST request, the parameters are input in HTTP Request-body. The request address is:

```
https://cdn.api.qcloud.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (
  'Action' => 'UpdateCdnConfig',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462872294,
  'Nonce' => 479724541,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'host' => 'www.test.com',
  'reqHeader' => '{"cdn": "tencent"}'
)
```

Example of Result

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success"
}
```

```
{
  "code": 4000,
  "message": "(9175) Deploying status cdn host in progress[host in progress]",
  "codeDesc": "UserRequestError"
}
```

Switch the project of domain

Last updated : 2018-05-09 17:21:41

API Description

UpdateCdnProject is used to switch the project of a domain name.

Domain name for API request: cdn.api.qcloud.com

Notes:

- Projects are shared for all Tencent Cloud products. You can go to [Project Management](#) to view the project ID.
- The frequency of calling the API is limited to 100 times/min.

[View the example](#)

Input Parameters

The following request parameter list only provides the API request parameters. Common request parameters are required when the API is called. For more information, please see [Common Request Parameters](#) page. The Action field for this API is UpdateCdnProject.

Parameter Name	Required	Type	Description
projectId	Yes	Int	Project ID to set
hostId	Yes	Int	Domain ID

Notes

You can use APIs [Query Domain Name Information by Domain Name](#) and [Query Domain Name Information](#) to obtain the ID of the host.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API.
codeDesc	String	Error message or error code at business side. For more information, please see Business Error Codes on the Error Codes page.

Example

Sample Parameters

```
hostId: 1234
projectId: 0
```

GET Request

For a GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=UpdateCdnProject
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462519632
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&hostId=1234
&projectId=0
```

POST Request

For a POST request, the parameters are input in HTTP Request-body. The request address is:

```
https://cdn.api.qcloud.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (
  'Action' => 'UpdateCdnProject',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'projectId' => '0',
  'hostId' => '1234'
)
```

Example of Result

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success"
}
```

```
{
  "code": 4000,
  "message": "(9175) Deploying status cdn host in progress[host in progress]",
  "codeDesc": 9175
}
```

Query Domain Names

Query Domain Name List

Last updated : 2018-06-29 16:57:03

1. API Description

This API (DescribeCdnHosts) is used to query the details of all domains, including configuration information. Paged query is supported.

Domain name for API request: cdn.api.qcloud.com

[Call Demo](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. See the [Common Request Parameters](#) page for details. The Action field for this API is DescribeCdnHosts.

Parameter Name	Required	Type	Description
offset	No	Int	Offset; default value is 0
limit	No	Int	Number of returned results. Return all by default

Note

- If there are a large number of domains, you can use "offset" and "limit" for paged queries. But it is not mandatory. You can fully return domain information;
- The limit of API call frequency is 100 times per minute. If the limit is exceeded, it will return an error. Do not call with high frequency.

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API.
codeDesc	String	English error message or error code at business side.
data	Array	Result data, as described below

data Field Description

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

Parameter Name	Type	Description
hosts	Array	Domain details array
total	Int	Total number of domains

hosts Field Description

Parameter Name	Type	Description
id	Int	ID after the domain is connected to CDN
app_id	Int	APPID of domain owner
owner_uin	Int	QQ ID of the user when logging in to Tencent Cloud
project_id	Int	Project ID of the domain
host	String	Domain
host_type	String	Connection method. There are three modes: "cos" means the hosted origin when connecting the domain is COS origin; "cname" means self-owned origin is used when connecting the domain; "ftp" means FTP hosted origin provided by CDN is used when connecting the domain.
service_type	String	Domain content type. There are three modes: "web" means it is static content; "download" means it is downloading content; "media" means it is media streaming content.
origin	String	Origin server configuration corresponding to the domain
cache	Array	Configuration of caching rules, as described below
status	Int	Domain state: "1" means the domain is in review; "2" means the domain is not approved ; "3" means the domain is approved for deploying; "4" means the domain is in deploying status; "5" means the domain is activated; "6" means the domain is closed.
disabled	Int	Indicate whether the domain is blocked; "0" indicates that the domain is not blocked.
message	String	Domain status information, such as "Closed", "Activated" and "Deploying".
enable_overseas	String	Indicate whether the overseas CDN is activated: "no" means the overseas CDN is not activated; "yes" means the overseas CDN is activated.
create_time	String	Domain connection time
update_time	String	Last update time
deleted	String	Delete or not: "no" means the domain is not deleted; "yes" means the domain is deleted.
fwd_host_type	String	Back-to-origin configuration type: "default" means the connected domain is the address for back-to-origin requests; "custom" means the domain uses customized address for back-to-origin requests.
fwd_host	String	Address for back-to-origin requests
middle_resource	Int	Configuration of intermediate node: "-1" means the domain has closed intermediate node services; "0" means the domain has activated intermediate node services.
refer	Array	Hotlink protection configuration, as described below

Parameter Name	Type	Description
cname	String	The accelerated domain with ".cdn.dnsv1.com" as suffix assigned by CDN
cache_mode	String	Type of caching rules: "simple" means cache completely depends on the Console; "custom" means cache depends on the cache expiration time set by the Console and the minimum value in max-age set by origin server.
furl_cache	String	Filter parameter: "on" means to enable; "off" means to disable
ssl_type	Int	Indicate whether to activate HTTPS: "0" means HTTPS configuration is not activated; others means HTTPS configuration is activated.
bucket_name	String	bucket name corresponding to the COS origin
ssl_deploy_time	String	SSL deploying time
ssl_expire_time	String	SSL expiration time
seo	String	Indicate whether to enable SEO optimization: "off" means to disable; "on" means to enable
host_id	Int	Host ID, same as id

cache Field Description

Parameter Name	Type	Description
type	Int	Type. There are four types: 0 refers to all files, 1 refers to file type, 2 refers to folder type, and 3 refers to full-path file
rule	String	Matching rule, corresponding to the types above
time	Int	Cache expiration time (in seconds)
unit	String	The unit used to set cache expiration time. There are four types: "d" refers to day, "h" refers to hour, "m" refers to minute, and "s" refers to second

refer Field Description

Parameter Name	Type	Description
type	Int	Hotlink protection type. There are three types: 0 means that hotlink protection is not configured, 1 means that the configured list is a blacklist, 2 means that the configured list is a whitelist
null_flag	Int	Indicate whether the hotlink protection is empty. 1 means the hotlink protection is empty
list	Array	The configured hotlink protection list

Note:

- The fields not described in the above are **invalid fields**, which can be ignored directly.

4. Example

4.1 Example of Input

```
offset: 0
limit: 10
```

4.2 GET Request

All the parameters are required to be added after URL in GET request:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=DescribeCdnHosts
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462434006
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&offset=0
&limit=10
```

4.3 POST Request

In POST request, the parameters will be filled in HTTP Request-body. The request address is:

```
https://cdn.api.qcloud.com/v2/index.php
```

Such formats of parameters as form-data, x-www-form-urlencoded are supported. The array of parameters is as follows:

```
array (
  'Action' => 'DescribeCdnHosts',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'offset' => '0',
  "limit" => '10'
)
```

4.4 Example of Returned Result

Query Successful

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": {
    "hosts": [
      {
        "id": 308902,
        "app_id": 1234567,
        "owner_uin": 7654321,
        "project_id": 0,
        "host": "www.test.com",
```

```
"host_type": "cname",
"service_type": "web",
"origin": "8.8.8.8",
"cache": [
{
"type": 0,
"rule": "all",
"time": 2592000,
"unit": "d"
},
{
"type": 1,
"rule": ".php;jsp;asp;aspx",
"time": 0,
"unit": "s"
}
],
"status": 5,
"disabled": 0,
"message": "Activated",
"enable_overseas": "no",
"create_time": "2016-08-25 21:22:40",
"update_time": "2016-09-02 15:33:37",
"deleted": "no",
"fwd_host_type": "default",
"fwd_host": "www.test.com",
"middle_resource": -1,
"refer": {
"type": 2,
"list": [
"1.1.1.1"
],
"null_flag": 0
},
"readonly": 0,
"cname": "www.test.com.cdn.dnsv1.com",
"cache_mode": "simple",
"furl_cache": "on",
"ssl_type": 0,
"pid_config": null,
"bucket_name": "",
"bucket_project_id": 0,
"ssl_deploy_time": null,
"ssl_expire_time": null,
"seo": "off",
"host_id": 308902
}
],
"total": 1
}
```

Query Failed

```
{  
  "code": 4100,  
  "message": "Authentication failed. Please refer to the Authentication section in the document.",  
  "codeDesc": "AuthFailure"  
}
```

Query Domain Name Details by Name

Last updated : 2018-05-09 17:24:55

1. API Description

The API (GetHostInfoByHost) is used to query domain details and configuration information based on domain names. You can query multiple domains at a time.

Domain name for API request:[cdn.api.qcloud.com](#)

[Call Demo](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. Refer to the [Common Request Parameters](#) page for details. The Action field for this API is GetHostInfoByHost.

Parameter Name	Required	Type	Description
hosts.n	Yes	String	Host to be queried. You may query one or multiple hosts.

Note

- You may query one or multiple domains. When querying multiple domains, you can pass parameters like this:

```
hosts.0=www.test1.com&hosts.1=www.test2.com
```

3. Response Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API.
codeDesc	String	English error message or error code at business side.
data	Array	Result data, as described below

data Field Description

Parameter Name	Type	Description
hosts	Array	Domain details array
total	Int	Total number of domains

hosts Field Description

Parameter Name	Type	Description
id	Int	ID after the domain is connected to CDN
app_id	Int	APPID of domain owner
owner_uin	Int	QQ ID of the user when logging in to Tencent Cloud
project_id	Int	Project ID of the domain
host	String	Domain
host_type	String	Connection method. There are three modes: "cos" means the hosted origin when connecting the domain is COS origin; "cname" means self-owned origin is used when connecting the domain; "ftp" means FTP hosted origin provided by CDN is used when connecting the domain.
service_type	String	Domain content type. There are three modes: "web" means it is static content; "download" means it is downloading content; "media" means it is media streaming content.
origin	String	Origin server configuration corresponding to the domain
cache	Array	Configuration of caching rules, as described below
status	Int	Domain state: "1" means the domain is in review; "2" means the domain is not approved ; "3" means the domain is approved and in deploying status; "4" means the domain is in deploying status; "5" means the domain is activated; "6" means the domain is closed.
disabled	Int	Indicate whether the domain is blocked; "0" indicates that the domain is not blocked.
message	String	Domain status information, such as "Closed", "Activated" and "Deploying".
enable_overseas	String	Indicate whether the overseas CDN is activated: "no" means the overseas CDN is not activated; "yes" means the overseas CDN is activated.
create_time	String	Domain connection time
update_time	String	Last update time
deleted	String	Delete or not: "no" means the domain is not deleted; "yes" means the domain is deleted.
fwd_host_type	String	Back-to-origin configuration type: "default" means the connected domain is the address for back-to-origin requests; "custom" means the domain uses customized address for back-to-origin requests.
fwd_host	String	Address for back-to-origin requests
middle_resource	Int	Configuration of intermediate node: "-1" means the domain has closed intermediate node services; "0" means the domain has activated intermediate node services.
refer	Array	Hotlink protection configuration, as described below
cname	String	The accelerated domain with ".cdn.dns1.com" as suffix assigned by CDN
cache_mode	String	Type of caching rules: "simple" means cache completely depends on the Console; "custom" means cache depends on the cache expiration time set by the Console and the minimum value in max-age set by origin server.

Parameter Name	Type	Description
furl_cache	String	Filter parameter: "on" means to enable; "off" means to disable
ssl_type	Int	Indicate whether to activate HTTPS: "0" means HTTPS configuration is not activated; others means HTTPS configuration is activated.
bucket_name	String	bucket name corresponding to the COS origin
ssl_deploy_time	String	SSL deploying time
ssl_expire_time	String	SSL expiration time
seo	String	Indicate whether to enable SEO optimization: "off" means to disable; "on" means to enable
host_id	Int	Host ID, same as id

cache Field Description

Parameter Name	Type	Description
type	Int	Type. There are four types: 0 refers to all files, 1 refers to file type, 2 refers to folder type, and 3 refers to full-path file
rule	String	Matching rule, corresponding to the types above
time	Int	Cache expiration time (in seconds)
unit	String	The unit used to set cache expiration time. There are four types: "d" refers to day, "h" refers to hour, "m" refers to minute, and "s" refers to second

refer Field Description

Parameter Name	Type	Description
type	Int	Hotlink protection type. There are three types: 0 means that hotlink protection is not configured; 1 means that the configured list is a blacklist; 2 means that the configured list is a whitelist
null_flag	Int	Indicate whether the hotlink protection is empty. 1 means the hotlink protection is empty
list	Array	The configured hotlink protection list

Note:

- The fields not described in the above are **invalid fields**, which can be ignored directly.

4. Example

4.1 Example of Input

```
hosts.0:www.test.com
```

4.2 GET Request

All the parameters are required to be added after URL in GET request:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=GetHostInfoByHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462434613
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXX
&hosts.0=www.test.com
```

4.3 POST Request

In POST request, the parameters will be filled in HTTP Request-body. The request address is:

```
https://cdn.api.qcloud.com/v2/index.php
```

Such formats of parameters as form-data, x-www-form-urlencoded are supported. The array of parameters is as follows:

```
array (
  'Action' => 'GetHostInfoByHost',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXX',
  'hosts.0' => 'www.test.com'
)
```

4.4 Example of Returned Result

Query Successful

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": {
    "hosts": [
      {
        "id": 1234,
        "app_id": 1234567,
        "owner_uin": 7654321,
        "project_id": 0,
        "host": "www.test.com",
        "host_type": "cname",
        "service_type": "web",
        "origin": "8.8.8.8",
        "cache": [
          {
            "type": 0,
            "rule": "all",
            "time": 2592000,

```



```
"unit": "d"
},
{
  "type": 1,
  "rule": ".php;jsp;asp;aspx",
  "time": 0,
  "unit": "s"
}
],
"status": 5,
"disabled": 0,
"message": "Activated",
"enable_overseas": "no",
"create_time": "2016-08-25 21:22:40",
"update_time": "2016-09-02 15:33:37",
"deleted": "no",
"fwd_host_type": "default",
"fwd_host": "www.test.com",
"middle_resource": -1,
"refer": {
  "type": 2,
  "list": [
    "1.1.1.1"
  ],
  "null_flag": 0
},
"readonly": 0,
"cname": "www.test.com.cdn.dnsv1.com",
"cache_mode": "simple",
"furl_cache": "on",
"ssl_type": 0,
"pid_config": null,
"bucket_name": "",
"bucket_project_id": 0,
"ssl_deploy_time": null,
"ssl_expire_time": null,
"seo": "off",
"host_id": 308902
}
],
"total": 1
}
}
```

Query Failed

```
{
  "code": 4100,
  "message": "Authentication failed. Please refer to the Authentication section in the document.",
  "codeDesc": "AuthFailure"
}
```

Query Domain Name Details by ID

Last updated : 2018-05-09 17:25:42

1. API Description

The API (GetHostInfoById) is used to query domain details based on domain IDs. You can query multiple domain IDs at a time.

Domain name for API request: cdn.api.qcloud.com

[Call Demo](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. For more information, refer to [Common Request Parameters](#). The Action field for this API is GetHostInfoById.

Parameter Name	Required	Type	Description
ids.n	Yes	Int	Domain ID to be queried. You can query one or multiple domain IDs.

Note

- When querying multiple domains, you can pass parameters like this:

```
ids.0=123&ids.1=1234
```

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API.
codeDesc	String	English error message or error code at business side.
data	Array	Domain details

data Field Description

Parameter Name	Type	Description
hosts	Array	Domain details array
total	Int	Total number of domains

hosts Field Description

Parameter Name	Type	Description
id	Int	ID after the domain is connected to CDN
app_id	Int	APPID of domain owner
owner_uin	Int	QQ ID of the user when logging in to Tencent Cloud
project_id	Int	Project ID of the domain
host	String	Domain
host_type	String	Connection method. There are three modes: "cos" means the hosted origin when connecting the domain is COS origin; "cname" means self-owned origin is used when connecting the domain; "ftp" means FTP hosted origin provided by CDN is used when connecting the domain.
service_type	String	Domain content type. There are three modes: "web" means it is static content; "download" means it is downloading content; "media" means it is media streaming content.
origin	String	Origin server configuration corresponding to the domain
cache	Array	Configuration of caching rules, as described below
status	Int	Domain state: "1" means the domain is in review; "2" means the domain is not approved ; "3" means the domain is approved and in deploying status; "4" means the domain is in deploying status; "5" means the domain is activated; "6" means the domain is closed.
disabled	Int	Indicate whether the domain is blocked; "0" indicates that the domain is not blocked.
message	String	Domain status information, such as "Closed", "Activated" and "Deploying".
enable_overseas	String	Indicate whether the overseas CDN is activated: "no" means the overseas CDN is not activated; "yes" means the overseas CDN is activated.
create_time	String	Domain connection time
update_time	String	Last update time
deleted	String	Delete or not: "no" means the domain is not deleted; "yes" means the domain is deleted.
fwd_host_type	String	Back-to-origin configuration type: "default" means the connected domain is the address for back-to-origin requests; "custom" means the domain uses customized address for back-to-origin requests.
fwd_host	String	Address for back-to-origin requests
middle_resource	Int	Configuration of intermediate node: "-1" means the domain has closed intermediate node services; "0" means the domain has activated intermediate node services.
refer	Array	Hotlink protection configuration, as described below
cname	String	The accelerated domain with ".cdn.dnsv1.com" as suffix assigned by CDN
cache_mode	String	Type of caching rules: "simple" means cache completely depends on the Console; "custom" means cache depends on the cache expiration time set by the Console and the minimum value in max-age set by origin server.
furl_cache	String	Filter parameter: "on" means to enable; "off" means to disable

Parameter Name	Type	Description
ssl_type	Int	Indicate whether to activate HTTPS: "0" means HTTPS configuration is not activated; others means HTTPS configuration is activated.
bucket_name	String	bucket name corresponding to the COS origin
ssl_deploy_time	String	SSL deploying time
ssl_expire_time	String	SSL expiration time
seo	String	Indicate whether to enable SEO optimization: "off" means to disable; "on" means to enable
host_id	Int	Host ID, same as id

cache Field Description

Parameter Name	Type	Description
type	Int	Type. There are four types: 0 refers to all files, 1 refers to file type, 2 refers to folder type, and 3 refers to full-path file
rule	String	Matching rule, corresponding to the types above
time	Int	Cache expiration time (in seconds)
unit	String	The unit used to set cache expiration time. There are four types: "d" refers to day, "h" refers to hour, "m" refers to minute, and "s" refers to second

refer Field Description

Parameter Name	Type	Description
type	Int	Hotlink protection type. There are three types: 0 means that hotlink protection is not configured; 1 means that the configured list is a blacklist; 2 means that the configured list is a whitelist
null_flag	Int	Indicate whether the hotlink protection is empty. 1 means the hotlink protection is empty
list	Array	The configured hotlink protection list

Note:

- The fields not described in the above are **invalid fields**, which can be ignored directly.

4. Example

4.1 Input Example

```
ids:0:1234
```

4.2 GET Request

All the parameters are required to be added after URL in GET request:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=GetHostInfoByld
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462434914
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXX
&ids.0=1234
```

4.3 POST Request

In POST request, the parameters will be filled in HTTP Request-body. The request address is:

```
https://cdn.api.qcloud.com/v2/index.php
```

Such formats of parameters as form-data, x-www-form-urlencoded are supported. The array of parameters is as follows:

```
array (
  'Action' => 'GetHostInfoByld',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXX',
  'ids.0' => '1234'
)
```

4.4 Example of Returned Result

Query Successful

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": {
    "hosts": [
      {
        "id": 1234,
        "app_id": 1234567,
        "owner_uin": 7654321,
        "project_id": 0,
        "host": "www.test.com",
        "host_type": "cname",
        "service_type": "web",
        "origin": "8.8.8.8",
        "cache": [
          {
            "type": 0,
            "rule": "all",
            "time": 2592000,
            "unit": "d"
          }
        ]
      }
    ]
  }
}
```

```
{
  "type": 1,
  "rule": ".php;jsp;asp;aspx",
  "time": 0,
  "unit": "s"
},
{
  "status": 5,
  "disabled": 0,
  "message": "Activated",
  "enable_overseas": "no",
  "create_time": "2016-08-25 21:22:40",
  "update_time": "2016-09-02 15:33:37",
  "deleted": "no",
  "fwd_host_type": "default",
  "fwd_host": "www.test.com",
  "middle_resource": -1,
  "refer": {
    "type": 2,
    "list": [
      "1.1.1.1"
    ],
    "null_flag": 0
  },
  "readonly": 0,
  "cname": "www.test.com.cdn.dnsv1.com",
  "cache_mode": "simple",
  "furl_cache": "on",
  "ssl_type": 0,
  "pid_config": null,
  "bucket_name": "",
  "bucket_project_id": 0,
  "ssl_deploy_time": null,
  "ssl_expire_time": null,
  "seo": "off",
  "host_id": 1234
}
],
"total": 1
}
```

Query Failed

```
{
  "code": 4100,
  "message": "Authentication failed. Please refer to the Authentication section in the document.",
  "codeDesc": "AuthFailure"
}
```

Purge Contents

Purge URLs

Last updated : 2018-05-09 17:36:16

1. API Description

This API (RefreshCdnUrl) is used to set specified resources on a node as expired.

Domain for API request: cdn.api.cloud.tencent.com

- 1) Each user is allowed to purge up to 10,000 URLs each day;
- 2) A maximum of 1,000 URLs can be submitted for each purge.

[Call Demo](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. For more information, refer to [Common Request Parameters](#). The Action field for this API is RefreshCdnUrl.

Parameter Name	Required	Type	Description
urls.n	Yes	String	URL to be purged. You may purge multiple URLs

Note

- You may purge one or multiple URLs. When purging multiple URLs, you can pass parameters like this:

```
urls.0=http://www.abc.com/1.jpg&urls.1=http://www.abc.com/2.jpg
```

- Note that URLs must start with "http://" or "https://", otherwise errors will occur;
- The domain in the submitted purge URL must be a domain that has already been connected to CDN by the user, and whose status is **Deploying** or *Activated*; otherwise errors will occur.
- If there is a parameter in a purge URL, for example:

```
> https://www.abc.com/index.php?name=1  
> https://www.abc.com/index.php?name=2
```

The parameter will be ignored, and the URL `https://www.abc.com/index.php` will be purged.

3. Output Parameters

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

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API
codeDesc	String	English error message or error code at business side.
data	Array	Details will be described below

data Field Description:

Parameter Name	Type	Description
count	Int	Number of URLs submitted for this purge operation
task_id	String	ID of the purge task

4. Example

4.1 Input Example

```
> urls.0: https://www.test.com/1.jpg
```

4.2 GET Request

For GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.cloud.tencent.com/v2/index.php?
Action=RefreshCdnUrl
&SecretId=XXXXXXXXXXXXXXXXXXXX
&Timestamp=1462521223
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
&urls.0=https://www.test.com/1.jpg
```

4.3 POST Request

For POST request, the parameters need to be filled in HTTP Request-body. Request address:

```
https://cdn.api.cloud.tencent.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (
  'Action' => 'RefreshCdnUrl',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462864833,
  'Nonce' => 1149033341,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'urls.0' => 'https://www.test.com/1.jpg'
)
```


When there are too many URLs to be purged, in order to avoid overlength of GET request, it is recommended to use POST method to call this API.

4.4 Example of Returned Result

Purge submission succeeded

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": {
    "count": 1,
    "task_id": "1480069888795584532"
  }
}
```

Purge submission failed

```
{
  "code": 4000,
  "message": "(9110) Information for this domain does not exist. cdn no such host",
  "codeDesc": "9110"
}
```

Purge Directories

Last updated : 2018-06-05 10:58:18

1. API Description

This API (RefreshCdnDir) is used to set resources under the specified directory on a node as expired.

Domain for API request: cdn.api.qcloud.com

- 1) Each user is allowed to purge 100 directories per day;
- 2) You may submit up to 20 directories at a time.

[Call Demo](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. For more information, refer to [Common Request Parameters](#). The Action field for this API is RefreshCdnDir.

Parameter Name	Required	Type	Description
dirs.n	Yes	String	Directory to be purged. You may purge multiple directories

Note

- You can purge one or multiple directories:

```
dirs.0=http://www.test.com/abc/&dirs.1=http://www.test.com/def/
```

- Note that URLs must start with "http://" or "https://", otherwise errors will occur.

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API.
codeDesc	String	English error message or error code at business side.

4. Example

4.1 Input Example

```
dirs.0: http://www.test.com/test/
```

4.2 GET Request

For GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?  
Action=RefreshCdnDir  
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&Timestamp=1462521628  
&Nonce=123456789  
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&dirs.0=https://www.test.com/abc
```

4.3 POST Request

For POST request, the parameters need to be filled in HTTP Request-body. Request address:

```
https://cdn.api.qcloud.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (  
  'Action' => 'RefreshCdnDir',  
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
  'Timestamp' => 1462865178,  
  'Nonce' => 279749933,  
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
  'dirs.0' => 'http://www.test.com/test/'  
)
```

4.4 Example of Returned Result

Purge submission succeeded

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success"  
}
```

Purge submission failed

```
{  
  "code": 4000,  
  "message": "(9110) Information for this domain does not exist. cdn no such host",  
  "codeDesc": 9110  
}
```

Query Purging History

Last updated : 2018-05-09 17:36:51

1. API Description

This API (GetCdnRefreshLog) is used to query purge logs and the number of purge operations within the specified time range. You may query by specifying URL.

Domain for API request: cdn.api.qcloud.com

[Call Demo](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. For more information, refer to [Common Request Parameters](#). The Action field for this API is GetCdnRefreshLog.

Parameter Name	Required	Type	Description
startDate	No	String	Start time of the query
endDate	No	String	End time of the query
taskId	No	Int	You may query by the task_id returned by the submitted purge URL task
url	No	String	URL to be queried (can be blank)

Note:

- Support query for the purge history within 30 days;
- Support query for time range accurate to seconds. The time format should be: 2017-02-09 00:00:00;
- If startDate&endDate and taskId are both empty, the query will fail. Either startDate&endDate or taskId should be filled in;
- If startDate&endDate and taskId are both filled in, when the taskId is not submitted within this time range, "The date is invalid" will appear;

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API.
codeDesc	String	English error message or error code at business side.
data	Array	Returned data result

data Field Description

Parameter Name	Type	Description
logs	Array	Log details
total	Int	Number of purges

logs Field Description

Parameter Name	Type	Description
id	Int	Code
app_id	Int	User APP ID
project_id	Int	Project ID
host	String	Domain
type	Int	Purge type. There are two types: 0 refers to URL purge, and 1 refers to directory purge;
status	Int	Purge result. 1 means the purge is successful, 0 means the purge is in progress, and a negative number means the purge failed
url_list	Array	The URL list submitted for this purge operation
datetime	String	Time of submission

4. Example

4.1 Input Example

```
startDate: 2017-02-06 19:00:00
endDate: 2017-02-06 19:40:00
```

4.2 GET Request

For GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=GetCdnRefreshLog
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462422547
&Nonce=12345678
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&startDate=2017-02-06+19:00:00
&endDate=2017-02-06+19:40:00
```

4.3 POST Request

For POST request, the parameters need to be filled in HTTP Request-body. Request address:

```
https://cdn.api.qcloud.com/v2/index.php
```

Formats such as form-data and x-www-form-urlencoded are supported for the parameters. The array of parameters is as follows:

```
array (  
  'Action' => 'GetCdnRefreshLog',  
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
  'Timestamp' => 1462782282,  
  'Nonce' => 123456789,  
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
  'startDate' => '2017-02-06 19:00:00',  
  'endDate' => '2017-02-06 19:40:00'  
)
```

4.4 Example of Returned Result

```
{  
  "retcode": 0,  
  "errmsg": "ok",  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success",  
  "data": {  
    "logs": [  
      {  
        "id": 6182538,  
        "app_id": 123456,  
        "project_id": 0,  
        "host": "www.test.com",  
        "type": 0,  
        "status": 1,  
        "url_list": [  
          "http://www.test.com/Content/image/test.png"  
        ],  
        "datetime": "2017-02-06 19:39:59"  
      }  
    ],  
    "total": 1  
  }  
}
```

Log API

Download Logs

Last updated : 2018-05-09 17:39:29

1. API Description

This API (GetCdnLogList) is used to query the log download links of specified domain names within the specified time range. You can only query one domain at a time.

Domain name for API request:cdn.api.qcloud.com

[Call Demo](#)

Log download links API_V1: [GenerateLogList](#)

2. Input Parameters

The following request parameter list only provides API request parameters. Common request parameters need to be added when the API is called. For more information, refer to [Common Request Parameters](#). The Action field for this API is GetCdnLogList.

Parameter Name	Required	Type	Description
host	Yes	String	Domain of the log to be queried
startDate	No	String	Start time of the query. Format: 2016-12-30 00:00:00
endDate	No	String	End time of the query. Format: 2016-12-30 01:00:00

Note

- If the startDate and endDate are empty, the default query range is 30 days before the current time. One log download link is provided per hour. For more log description, refer to [Log Download](#);
- startDate indicates the start date of the query, and endDate indicates the end date of the query. The log packets between the time range specified in startDate and endDate will be returned. Assuming startDate=2016-12-30 00:01:00 and endDate=2016-12-30 02:12:00, the packets in three hours (2016123000, 2016123001, and 2016123002) will be returned;
- If no access log is generated for an hour, the download link will not be generated or returned accordingly.
- The log download link is valid for 24 hours.

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Succeeded; other values: Failed. For more information, refer to Common Error Codes on Error Code page.
message	String	Module error message description depending on API.

Parameter Name	Type	Description
codeDesc	String	English error message or error code at business side.
data	Array	Result data, as described below

data Field Description

Parameter Name	Type	Description
now	Int	Current time, Unix timestamp
list	Array	List of log download links

list Field Description

Parameter Name	Type	Description
date	Int	Log date
type	Int	Indicate whether there is a log; 1: yes; 0: no
name	String	Log name. Format: yyyyymmddhh-domain, for example: 2016050301-www.test.com
link	String	Download link

4. Example

4.1 Input Example

```
host: www.test.com
startDate: 2016-12-30 00:00:01
endDate: 2016-12-30 05:12:00
```

4.2 GET Request

For GET request, all the parameters are required to be appended to the URL:

```
https://cdn.api.qcloud.com/v2/index.php?
Action=GetCdnLogList
&SecretId=XXXXXXXXXXXXXXXXXXXX
&Timestamp=1462430812
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXX
&host=www.test.com
&startDate=2016-12-30+00:00:01
&endDate=2016-12-30+05:12:00
```

4.3 POST Request

For POST request, the parameters need to be filled in HTTP Request-body. The request address is:

```
https://cdn.api.qcloud.com/v2/index.php
```

Such formats as form-data and x-www-form-urlencoded are supported. The array of parameters is as follows:

```
array (  
  'Action' => 'GetCdnLogList',  
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXX',  
  'Timestamp' => 1462865760,  
  'Nonce' => 1058191224,  
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
  'host' => 'www.test.com',  
  'startDate' => '2016-12-30 00:00:01',  
  'endDate' => '2016-12-30 05:12:00'  
)
```

4.4 Example of Returned Result

```
{  
  "code":0,  
  "message": "",  
  "codeDesc": "Success",  
  "data":{  
    "now":1483954368,  
    "list":[  
      {  
        "date":2016-12-30,  
        "type":1,  
        "name":"2016123000-www.test.com",  
        "link":"http://log-download.cdn.qcloud.com/20161230/00/2016123000-www.selenawang.com.gz?st=XXXXXXXXXXXXXXXXXXXXX&e=1483954368"  
      },  
      {  
        "date":2016-12-30,  
        "type":1,  
        "name":"2016123001-www.test.com",  
        "link":"http://log-download.cdn.qcloud.com/20161230/01/2016123001-www.test.com.gz?st=XXXXXXXXXXXXXXXXXXXXX&e=1483954368"  
      },  
      ...  
    ]  
  }  
}
```