

# Alibaba Cloud

# Alibaba Cloud CDN

API Reference

Issue: 20181116

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# Generic conventions

Table -1: Style conventions

| Style                                                                             | Description                                                                                                                                | Example                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results. |  <b>Danger:</b><br>Resetting will result in the loss of user configuration data.                                    |
|  | This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.  |  <b>Warning:</b><br>Restarting will cause business interruption. About 10 minutes are required to restore business. |
|  | This indicates warning information, supplementary instructions, and other content that the user must understand.                           |  <b>Note:</b><br>Take the necessary precautions to save exported data containing sensitive information.             |
|                                                                                   | This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.                       |  <b>Note:</b><br>You can use <b>Ctrl + A</b> to select all files.                                                 |
| >                                                                                 | Multi-level menu cascade.                                                                                                                  | <b>Settings &gt; Network &gt; Set network type</b>                                                                                                                                                   |
| <b>Bold</b>                                                                       | It is used for buttons, menus, page names, and other UI elements.                                                                          | Click <b>OK</b> .                                                                                                                                                                                    |
| Courier font                                                                      | It is used for commands.                                                                                                                   | Run the <code>cd /d C:/windows</code> command to enter the Windows system folder.                                                                                                                    |
| <i>Italics</i>                                                                    | It is used for parameters and variables.                                                                                                   | <code>bae log list --instanceid Instance_ID</code>                                                                                                                                                   |
| [] or [a b]                                                                       | It indicates that it is a optional value, and only one item can be selected.                                                               | <code>ipconfig [-all -t]</code>                                                                                                                                                                      |
| { } or {a b}                                                                      | It indicates that it is a required value, and only one item can be selected.                                                               | <code>swich {stand   slave}</code>                                                                                                                                                                   |

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# 1 Introduction

---

Welcome to the Alibaba Cloud Content Delivery Network (CDN) service. You can use this documentation to familiarize yourself with the relevant API operations for the CDN service.

Before using these interfaces, make sure that you fully understand the CDN product instructions, usage protocols, and billing methods.

Current CDN open API version: 2014-11-11.

For more information about relevant terms, see [Appendix](#).

## 2 Call method

---

CDN API interfaces are called by sending an HTTP GET request to the CDN API server. Such requests are completed by adding the relevant request parameters in the request according to the interface instructions. Results will be returned based on the request's processing status.

### Request Structure

#### Service Address

The CDN API service access address is: `cdn.aliyuncs.com`

#### Communication Protocol

The system supports request communication through HTTP or HTTPS channels. In order to ensure the security of the request, we recommend that you send requests through an HTTPS channel.

#### Request Methods

The system supports the sending of HTTP GET requests. For this method, the request parameters must be included in the request URL.

#### Request Parameters

For each request, the operation to be executed must be specified, namely the Action parameter (e.g. **OpenCdnService**), and each operation must contain the common request parameters and the specific request parameters of the specified operation.

#### Character encoding

Requests and returned results both use UTF-8 character set encoding.

### Common Parameters

#### Common Request Parameters

Common request parameters specify the request parameters that must be used by every interface.

| Name   | Type   | Required | Description                                                                |
|--------|--------|----------|----------------------------------------------------------------------------|
| Format | String | No       | Type of value returned , JSON and XML supported. The default value is XML. |

| Name             | Type   | Required | Description                                                                                                                                                                                         |
|------------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version          | String | Yes      | The API version, with the date format:YYYY-MMDD. The current version is 2014-11- 11.                                                                                                                |
| AccessKeyId      | String | Yes      | The secret key ID used to access services, issued to a user by Alibaba Cloud.                                                                                                                       |
| Signature        | String | Yes      | The signature result string. See the description of the signature mechanism for details on the signature calculation method.                                                                        |
| SignatureMethod  | String | Yes      | The signature method, HMACSHA1 currently supported.                                                                                                                                                 |
| Timestamp        | String | Yes      | The request's timestamp. The date format follows the ISO8601 standard and uses UTC time. Format: YYYY-MM-DDThh:mm:ssZ. E.g .: 2014-11-11T12:00:00Z (Equivalent to 11/11/2014 20:00:00 Beijing time) |
| SignatureVersion | String | Yes      | Signature algorithm version. The current version is 1.0.                                                                                                                                            |
| SignatureNonce   | String | Yes      | A unique random number, used to prevent replay attacks . The user must use different random numbers for different requests.                                                                         |

Request example:

```
https://cdn.aliyuncs.com/?Format=xml&Version=2014-11-11&Signature=Pc5WB8gokVn0xfeu%2FZV%2BiNM1dgI%3D&SignatureMethod=HMAC-SHA1&SignatureNonce=15215528852396&SignatureVersion=1.0&AccessKeyId=key-test&Timestamp=2012-06-01T12:00:00Z
```

Common return parameters

Each time the user sends a call request to an interface, no matter if it is successful or not, the system will return a unique identification code (RequestId) to the user.

Example of XML results returned:

```
<? xml version="1.0" encoding="UTF-8"? >
<!--Result Root Node-->
<Interface Name+Response>
  <!--Return Request Tag-->
  <RequestId>4C467B38-3910-447D-87BC-AC049166F216</RequestId>
  <!--Return Result Data-->
</Interface Name+Response>
```

Example of XML results returned:

```
{
  "RequestId": "4C467B38-3910-447D-87BC-AC049166F216",
  /* Return Result Data */
}
```

Return result

After the API service is called, the returned data adopts a uniform format. A returned HTTP status code of 2xx indicates that the call was successful. A returned HTTP status code of 4xx or 5xx indicates that the call failed.

For successful calls, the primary formats of returned data are XML and JSON. When a request is sent, an external system can pass in parameters to specify the format of returned data. The default format is XML.

In this document, examples of results returned are formatted in a way that is easier for users to view. The actual results returned are not formatted with line breaks, indentation, etc.

Successful results

Example of XML results returned: (XML results returned include a message stating if the request was successful and the specific service data.)

```
<? xml version="1.0" encoding="UTF-8"? >
<!--Result Root Node-->
```

```
<API name+Response>
  <!--Return Request Tag-->
  <RequestId>4C467B38-3910-447D-87BC-AC049166F216</RequestId>
  <!--Return Result Data-->
</Interface name+Response>
```

JSON example:

```
{
  "RequestId": "4C467B38-3910-447D-87BC-AC049166F216",
  /* Return result data */
}
```

Error results

After an error is encountered in an interface call, no result data will be returned. The caller can refer to the table in the appendix <Error Code Table> to locate the cause of the error.

When an error occurs in a call, the HTTP request will return a HTTP status code of 4xx or 5xx. The returned message body includes the specific error code and error message. It also contains a globally unique request ID: RequestId and the ID of the site you accessed with this request: HostId. If the caller cannot find the cause of the error, he can contact Alibaba Cloud customer service and provide the HostId and RequestId to help us solve the problem as quickly as possible.

XML example:

```
<? xml version="1.0" encoding="UTF-8"? >
<Error>
  <RequestId>8906582E-6722-409A-A6C4-0E7863B733A5</RequestId>
  <HostId>cdn.aliyuncs.com</HostId>
  <Code>UnsupportedOperation</Code>
  <Message>The specified action is not supported.</Message>
</Error>
```

JSON example:

```
{
  "RequestId": "8906582E-6722-409A-A6C4-0E7863B733A5",
  "HostId": "cdn.aliyuncs.com",
  "Code": "UnsupportedOperation",
  "Message": "The specified action is not supported."
}
```

## Signature Mechanism

### Introduction

The CDN service will perform identity authentication for every access request. Therefore, you must contain the signature information in the request no matter whether you submit a request via the HTTP or HTTPS protocol. By using Access Key ID and Access Key Secret, the CDN

performs symmetric encryption to authenticate the request sender. Access Key ID and Access Key Secret are officially issued to visitors by Alibaba Cloud (visitors can apply for and manage them on the official Alibaba Cloud website).

**Note:**

Access Key ID indicates the identity of the visitor. Access Key Secret is the secret key used to encrypt the signature string and to verify the signature string on the server. It must be kept strictly confidential and should only be known to Alibaba Cloud and the user.

When a user calls a server, the following method is used to sign the request:

1. The Canonicalized Query String is constructed using the request parameters
  - a. The request parameters are ordered alphabetically by the parameter names (this includes the “common request parameters” and user-defined parameters for the given request interfaces described in this document, but not the Signature parameter mentioned in “Common Request Parameters”).

**Note:**

When a request is submitted using the GET method, these parameters are the parameter section of the request URI (i.e. the section in the URI following the “?” and connected by “&”).

- b. The name and value of each request parameter are encoded. The names and values must undergo URL encoding using the UTF-8 character set. The URL encoding rules are as follows:
      - The characters A-Z, a-z, 0-9, and “-”, “\_”, “.”, “~” are not encoded.
      - Other characters are encoded in “%XY” format, with XY representing the characters’ ASCII code in hexadecimal notation. For example, the English double quotes (”) are encoded as %22.
      - Extended UTF-8 characters are encoded in “%XY%ZA...” format.
      - It must be noted that the English space ( ) is encoded as %20, rather than the plus sign (+).

**Note:**

Generally, libraries that support URL encoding (e.g. Java’s java.net.URLEncoder) are all encoded according to the rules for the “application/x-www-form-urlencoded” MIME type.

If this encoding method is used, replace the plus signs (+) in the encoded strings with %20, the asterisks (\*) with %2A, and change %7E back to the tilde (~) to conform to the encoding rules described above.

- c. Connect the encoded parameter names and values with the English equals sign (=).
  - d. Then, order the parameter name and value pairs connected by equals signs in alphabetical order and connect them with the & symbol to produce the Canonicalized Query String.
2. Follow the rules below to construct the string used for signature calculation by using the Canonicalized Query String constructed in the previous step:

```
StringToSign=
HTTPMethod + "&" +
percentEncode("/") + "&" +
percentEncode(CanonicalizedQueryString)
```

Here, HTTPMethod is the HTTP method used for request submission, e.g. GET.

The percentEncode("/") is the encoded value ("%2F") of the character "/", which is obtained according to the URL encoding rules described in 1.b.

percentEncode(CanonicalizedQueryString) is the encoded string of the Canonicalized Query String constructed in Step 1, produced by following the URL encoding rules described in 1.b.

3. According to RFC2104 definitions, use the above signature string to calculate the signature's HMAC value.

**Note:**

When calculating the signature, the Key is the Access Key Secret held by the user with the "&" character (ASCII:38) added on the end. The SHA1 hashing algorithm is used.

4. According to Base64 encoding rules, encode the above HMAC value into a string. This gives you the signature value.
5. Add the obtained signature value to the request parameters as the Signature parameter. This completes the request signing process.

**Note:**

When the obtained signature value is submitted to the CDN server as the final request parameter value, it must undergo URL encoding like other parameters according to RFC3986 rules.

Using DescribeCdnService as an example, the request URL prior to signing is as follows:

```
http://cdn.aliyuncs.com/?SignatureVersion=1.0&Format=JSON&Timestamp=2015-08-06T02:19:46Z&AccessKeyId=testid&SignatureMethod=HMAC-SHA1&Version=2014-11-11&Action=DescribeCdnService&SignatureNonce=9b7a44b0-3be1-11e5-8c73-08002700c460
```

Thus, the StringToSign is:

```
GET&%2F&AccessKeyId%3Dtestid&Action%3DDescribeCdnService&Format%3DJSON&SignatureMethod%3DHMAC-SHA1&SignatureNonce%3D9b7a44b0-3be1-11e5-8c73-08002700c460&SignatureVersion%3D1.0&Timestamp%3D2015-08-06T02%253A19%253A46Z&Version%3D2014-11-11
```

If we assume the Access Key Id is “testid”, Access Key Secret is “testsecret”, and the Key used for HMAC calculation is “testsecret&”, the calculated signature value is:

```
KkkQ0f0ymKf4yVZLggy6kYiwgFs=
```

The signed request URL is (note the added Signature parameter):

```
http://cdn.aliyuncs.com/?SignatureVersion=1.0&Format=JSON&Timestamp=2015-08-06T02%3A19%3A46Z&AccessKeyId=testid&SignatureMethod=HMAC-SHA1&Version=2014-11-11&Signature=KkkQ0f0ymKf4yVZLggy6kYiwgFs%3D&Action=DescribeCdnService&SignatureNonce=9b7a44b0-3be1-11e5-8c73-08002700c460
```

## Sample code

Attachment: Signature Mechanism\_python\_sdk: [Click download](#)

Signature Mechanism\_java\_sdk: [Click download](#)

## 3 API Overview

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### Service operation interface

| API                                | Description                                                                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">OpenCdnService</a>     | Activates the CDN service.                                                                                                                                    |
| <a href="#">DescribeCdnService</a> | Queries the CDN service status. This includes Includes Current billing type, service opening time, next effective billing type, current business status, etc. |
| <a href="#">ModifyCdnService</a>   | Changes the CDN service billing type.                                                                                                                         |

### Domain name operation interface

| API                                     | Description                                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------|
| <a href="#">DescribeUserDomains</a>     | Queries all domain names and statuses under a user name.                                              |
| <a href="#">DescribeCdnDomainDetail</a> | Obtains the basic information for the specified CDN domain configuration.                             |
| <a href="#">AddCdnDomain</a>            | Adds CDN domains. At one time, only one CDN can be submitted.                                         |
| <a href="#">StartCdnDomain</a>          | Enables an accelerated domain name with a status of "disabled" and changes the domainstatus to online |
| <a href="#">StopCdnDomain</a>           | Deactivates a CDN domain by changing the "DomainStatus" to "offline".                                 |
| <a href="#">DeleteCdnDomain</a>         | [USE WITH CAUTION] Deletes the current CDN domain. Only one CDN domain can be submitted at a time.    |
| <a href="#">DescribeDomainsBySource</a> | Query the corresponding domain name information based on the source station                           |

### Domain name configuration interface

| API                                   | Description                              |
|---------------------------------------|------------------------------------------|
| <a href="#">DescribeDomainConfigs</a> | Queries domain name configuration        |
| <a href="#">Setoptimizeconfig</a>     | Configures page optimization parameters. |

| API                                          | Description                                                                                            |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <a href="#">SetPageCompressConfig</a>        | Configures smart compression parameters.                                                               |
| <a href="#">SetIgnoreQueryStringConfig</a>   | Configure filter parameters                                                                            |
| <a href="#">SetRangeConfig</a>               | Configures Back-to-source of range.                                                                    |
| <a href="#">SetVideoSeekConfig</a>           | Configures Drag/Drop playback.                                                                         |
| <a href="#">Setsourcehostconfig</a>          | Set back-to-source host                                                                                |
| <a href="#">SetErrorPageConfig</a>           | Set the 404 page.                                                                                      |
| <a href="#">Setforcedirectconfig</a>         | Set the force redirect method, and currently support HTTP and HTTPS force redirects.                   |
| <a href="#">SetRefererConfig</a>             | Set Anti-leech.                                                                                        |
| <a href="#">SetFileCacheExpiredConfig</a>    | Set file expiration configuration.                                                                     |
| <a href="#">SetPathCacheExpiredConfig</a>    | Modify directory expiration configuration.                                                             |
| <a href="#">ModifyFileCacheExpiredConfig</a> | Modify file expiration settings.                                                                       |
| <a href="#">ModifyPathCacheExpiredConfig</a> | Modify the path Cache Policy                                                                           |
| <a href="#">DeleteCacheExpiredConfig</a>     | Delete a custom cache policy.                                                                          |
| <a href="#">SetReqAuthConfig</a>             | Set CDN domain access authentication configuration.                                                    |
| <a href="#">Sethttpheaderconfig</a>          | Set custom HTTP headers.                                                                               |
| <a href="#">ModifyHttpHeaderConfig</a>       | Modify custom HTTP headers.                                                                            |
| <a href="#">DeleteHttpHeaderConfig</a>       | Delete the Referer anti-leech configuration of a CDN domain.                                           |
| <a href="#">SetDomainServerCertificate</a>   | Set whether to enable the certificate function under a domain name and modify certificate information. |

### Refresh and push interface

| API                                 | Description                                                                                     |
|-------------------------------------|-------------------------------------------------------------------------------------------------|
| <a href="#">Refreshobjectcaches</a> | Refreshes the file content on a node.<br>Refreshes the specified URL content to the Cache node. |
| <a href="#">PushObjectCache</a>     | Actively pushes content from the origin site to the L2 Cache node. Upon first access, users     |

| API                                  | Description                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------------------|
|                                      | can directly hit cache so as to relieve pressure on the origin site.                        |
| <a href="#">DescribeRefreshTasks</a> | Queries whether or not cache push or refresh statuses have taken effect for the whole site. |
| <a href="#">DescribeRefreshQuota</a> | Query preheating refresh operation margin                                                   |

### Resource monitoring interface

| API                                          | Description                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------------------|
| <a href="#">DescribeDomainBpsData</a>        | Network bandwidth information                                                                        |
| <a href="#">DescribeDomainFlowData</a>       | Obtain the network traffic metric data of a CDN domain. The unit is bytes.                           |
| <a href="#">DescribeDomainSrcBpsData</a>     | Obtain the back-to-source bandwidth metric data of CDN domains. The unit is bit/second.              |
| <a href="#">DescribeDomainSrcFlowData</a>    | Obtain the back-to-source traffic metric data on a CDN domain in bits.                               |
| <a href="#">DescribeDomainHitRateData</a>    | Obtain the bytes hit rate (percentage of hit bytes) of CDN domains.                                  |
| <a href="#">DescribeDomainReqHitRateData</a> | Obtain the request hit rate (percentage of hit requests) of CDN domain names.                        |
| <a href="#">DescribeDomainQpsData</a>        | Obtain the times of access to a CDN domain per second. The value is expressed in QPS.                |
| <a href="#">DescribeDomainHttpCodeData</a>   | Obtain the HTTP return code proportion of CDN domains. The minimum granularity is 5 minutes.         |
| <a href="#">DescribeDomainsUsageByDay</a>    | Obtain the per-day monitoring statistics on a CDN domain.                                            |
| <a href="#">DescribeTopDomainsByFlow</a>     | Obtain the domain names that are ranked by traffic.                                                  |
| <a href="#">DescribeDomainPvData</a>         | Obtain the PV page access statistics. The minimum granularity is 1 hour.                             |
| <a href="#">DescribeDomainUvData</a>         | Obtain the independent UV page access statistics of a CDN domain. The minimum granularity is 1 hour. |

| API                                                    | Description                                                                                                                      |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">DescribeDomainRegionData</a>               | Obtain the regional user distribution of CDN domains with day granularity.                                                       |
| <a href="#">DescribeDomainISPData</a>                  | Obtain the distribution of users and carriers of CDN domain names with day granularity.                                          |
| <a href="#">Describedomaintopurlvisit</a>              | Obtain the popular URL list for a CDN domain name on a specific day.                                                             |
| <a href="#">DescribeDomainTopReferVisit</a>            | Obtain the reference times ranking of popular pages for a CDN domain name on a specific day.                                     |
| <a href="#">DescribeDomainFileSizeProportionData</a>   | Obtain the file size shares of a CDN domain name. The minimum granularity is 1 hour.                                             |
| <a href="#">DescribeDomainBpsDataByTimeStamp</a>       | Obtain the bandwidth data of a CDN domain name on different locations and ISPs at specific time. The unit is bit/second.         |
| <a href="#">DescribeDomainBpsDataByTimeStamp</a>       | Obtain the bandwidth data of a CDN domain name on different locations and ISPs at specific time. The unit is bit/second.         |
| <a href="#">DescribeRangeDataByLocateAndIspService</a> | Not opened currently                                                                                                             |
| <a href="#">DescribeL2VipsByDomain</a>                 | Query the virtual IP address list of an L2 node by the domain name. This interface takes effect after a whitelist is configured. |

### Log Information Interface

| API                                   | Description                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------|
| <a href="#">DescribeCdnDomainLogs</a> | Obtains the download address for the original access log of the specified domain name. |

### Verifies IP interface

| API                            | Description                                                                               |
|--------------------------------|-------------------------------------------------------------------------------------------|
| <a href="#">DescribeIpInfo</a> | Verifies whether the specified IP address is the IP address of an Alibaba Cloud CDN node. |

## 4 Error Code

---

Go to [CDN API Error Code Center](#), so that you can view all general error codes to troubleshoot problems.

For special error codes, you can check in specific API documents.

## 5 Service operation interface

### 5.1 OpenCdnService

Subscribe to the CDN service. Only after subscribing can you perform domain name operations.

- A single user can only subscribe once.
- Subscription restrictions: The account must have passed real-name registration.

**Note:**

Make sure that before using this interface, you fully know billing method and price of CDN. For more information, see [Price overview](#).

#### Request parameters

| Name               | Type   | Required | Instance Value | Description                                                                                                                                                                                                  |
|--------------------|--------|----------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action             | String | Yes      | OpenCdnService | The name of this interface. Value: OpenCdnService                                                                                                                                                            |
| InternetChargeType | String | Yes      | PayByTraffic   | Billing type of provisioning service: <ul style="list-style-type: none"><li>• PayByTraffic</li><li>• PayByBandwidth</li></ul> If the user does not make a choice, the default charging type is PayByTraffic. |

#### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

## Examples

### Request example

```
https://cdn.aliyuncs.com?&Action=OpenCdnService&InternetChargeType=PayByBandwidth&Public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "97C68796-EB7F-4D41-9D5B-12B909D76508"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown error .",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 5.2 DescribeCdnService

Queries the CDN service status, including current billing method, service subscription time, start of next billing method and current service status.

### Request parameters

| Parameters | Type   | Required | Example values     | Description                                            |
|------------|--------|----------|--------------------|--------------------------------------------------------|
| Action     | String | Yes      | DescribeCdnService | The name of this interface. Value : DescribeCdnService |

### Return Parameters

| Parameters         | Type   | Example values       | Description                                                                                         |
|--------------------|--------|----------------------|-----------------------------------------------------------------------------------------------------|
| InternetChargeType | String | PayByTraffic         | Billing method: <ul style="list-style-type: none"><li>PayByTraffic</li><li>PayByBandwidth</li></ul> |
| OpeningTime        | String | 2014-02-28T13:11:49Z | Service subscription time, ISO 8601 time format.                                                    |

|                    |        |                                      |                                                                                                                      |
|--------------------|--------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| ChangingChargeType | String | PayByTraffic                         | Start of next billing method.<br><ul style="list-style-type: none"><li>Paybytraffic</li><li>PayByBandwidth</li></ul> |
| ChangingAffectTime | String | 2014-11-27T16:00:00Z                 | GMT.                                                                                                                 |
| OperationLocks     |        |                                      | Operation locking status, such as arrearage and security.                                                            |
| LockReason         | String | financial                            | The reason of operation locking.                                                                                     |
| RequestId          | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request.                                                                                               |
| InstanceId         | String | aliuid                               | The instance ID.                                                                                                     |

## Examples

### Request example

```
https://cdn.aliyuncs.com?&Action=DescribeCdnService&Public request parameter
```

### Normal return example

- JSON format

```
"ChangingAffectTime":"2014-11-27T16:00:00Z",
"ChangingChargeType":"PayByBandwidth",
"InternetChargeType":"PayByTraffic",
"OpeningTime":"2014-02-28T13:11:49Z",
"OperationLocks":{
  "LockReason":[]
}

"RequestId":"BFFCDFAD-DACC-484E-9BE6-0AF3B3A0DD23"
```

### Exception return example

- JSON format

```
"Code":"InternalError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error."
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 5.3 ModifyCdnService

Modifies the CDN service billing methods.

- You must first subscribe to the service to perform this operation.
- Changes of the billing methods take effect at 00:00 the next day. If multiple changes are performed, the latest change prevails.
- Billing methods:
  - PayByBandwidth.
  - PayByTraffic.

### Request parameters

| Parameters         | Type   | Required | Example values   | Description                                                                                                                                                                                       |
|--------------------|--------|----------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action             | String | Yes      | ModifyCdnService | The name of this interface. Value : ModifyCdnService                                                                                                                                              |
| InternetChargeType | String | Yes      | PayByTraffic     | Service subscription billing method. <ul style="list-style-type: none"><li>• PayByTraffic</li><li>• PayByBandwidth</li></ul> Users must specify a method between PayByTraffic and PayByBandwidth. |

### Return Parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

## Examples

### Request example

```
https://cdn.aliyuncs.com?&Action=ModifyCdnService&InternetChargeType=PayByTraffic&Public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "97C68796-EB7F-4D41-9D5B-12B909D76508"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 6 Refresh the preheating Interface

### 6.1 Cache refresh

Update the file content on the node.

- Update the cache node with the specified URL content, URL can be updated in batches.
- Support post request, and the form is used for parameters.

Restrictions:

- For a single ID, a daily maximum of cache push and refresh requests which can be submitted are as follows:
  - URLs: 2,000.
  - Directories: 100.
- Cache refresh and push interfaces include the **RefreshObjectCaches** and **PushObjectCache**.

#### Request Parameters

| Parameters        | Type   | Required | Example values      | Description                                                                                                |
|-------------------|--------|----------|---------------------|------------------------------------------------------------------------------------------------------------|
| <b>Action</b>     | String | Yes      | RefreshObjectCaches | The name of this interface. Value: RefreshObjectCaches                                                     |
| <b>ObjectPath</b> | String | Yes      | abc.com/image/1.png | Input example: abc.com/image/1.png, multiple URLs are required to be separated by line break (\n or \r\n). |
| <b>ObjectType</b> | String | No       | File                | Optional, the refresh type. The value can be File or Directory. Default value: File.                       |

## Return Parameters

| Parameters           | Type   | Example values                       | Description                                                                      |
|----------------------|--------|--------------------------------------|----------------------------------------------------------------------------------|
| <b>RefreshtaskId</b> | String | 704222904                            | Refresh returned task ID, multiple task IDs are separated by comma (Half angle). |
| <b>RequestId</b>     | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request.                                                           |

## Examples

### Request example

```
https://cdn.aliyuncs.com?&Action=RefreshObjectCaches&ObjectPath=test.test.com/test.txt&ObjectType=File&Public request parameter
```

### Normal return example

- JSON format

```
"RefreshTaskId": "704222904",  
"RequestId": "D61E4801-EAFF-4A63-AAE1-FBF6CE1CFD1C"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 6.2 PushObjectCache

Actively push content from the source site to the L2 Cache node. Upon first access, users can directly hit cache so as to relieve pressure on the source site.

Support post request, and the form is used for parameters.

Restrictions:

- For a single ID, a daily maximum of cache push and refresh requests which can be submitted are as follows: URLs: 2,000.

**Note:**

Directory-level cache pushing is currently not supported.

- Cache refresh and push interfaces include the **RefreshObjectCaches** and **PushObjectCache**.

**Request parameters**

| Parameters        | Type   | Required | Example Value       | Description                                                                                 |
|-------------------|--------|----------|---------------------|---------------------------------------------------------------------------------------------|
| <b>Action</b>     | String | Yes      | PushObjectCache     | The name of this interface. Value: PushObjectCacheValue:                                    |
| <b>ObjectPath</b> | String | Yes      | Abc.com/image/1.png | Input example: bc.com/image/1.png , multiple URLs are separated by line break (\n or \r\n). |

**Return parameters**

| Parameters        | Type   | Example values                       | Description                                                                                  |
|-------------------|--------|--------------------------------------|----------------------------------------------------------------------------------------------|
| <b>PushTaskId</b> | String | 95248880                             | The ID returned by the pushing task, multiple task IDs are separated by comma (Half angle ). |
| <b>RequestId</b>  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request.                                                                       |

**Examples****Request example**

```
https://cdn.aliyuncs.com?&Action=PushObjectCache&ObjectPath=test.test.com/test.txt&ObjectType=File&Public Request Parameter
```

**Normal return example**

- JSON format

```
"PushTaskId": "95248880",  
"RequestId": "E5BD4B50-7A02-493A-AE0B-97B9024B4135"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 6.3 DescribeRefreshTasks

Query whether or not refresh and push status have taken effect for the whole site.

- Support task ID query and URL query.
- If neither the taskid nor objectpath are specified, it will query the first page of data (20 items) within past 3 days by default.
- A taskid and objectpath can be specified at the same time, with a logical relationship of AND.
- Only the data within the past 3 days can be queried.

#### Request parameters

| Parameters        | Type   | Required | Example values                                          | Description                                                           |
|-------------------|--------|----------|---------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Action</b>     | String | Yes      | DescribeRefreshTasks                                    | The name of this interface. Value: DescribeRefreshTasks               |
| <b>DomainName</b> | String | No       | www.yourdomain.com                                      | The domain name.                                                      |
| <b>EndTime</b>    | String | No       | 2017-12-22T08:00:00:00Z                                 | The end time, the format is 2017-01-01T12:12:20Z.                     |
| <b>ObjectPath</b> | String | No       | <a href="http://aaa.com/1.txt">http://aaa.com/1.txt</a> | Query through an object path with exact match.                        |
| <b>ObjectType</b> | String | No       | file                                                    | The task type. <ul style="list-style-type: none"><li>• file</li></ul> |

| Parameters             | Type    | Required | Example values       | Description                                                                                                                                               |
|------------------------|---------|----------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |         |          |                      | <ul style="list-style-type: none"> <li>path</li> <li>preload</li> </ul> <p>When the DomainName or TaskStatus is specified, the task type is required.</p> |
| <b>PageNumber</b>      | Integer | No       | 1                    | Page number.<br>Value range: 1~100000<br>Scope of value: 1 ~ 100000                                                                                       |
| <b>PageSize</b>        | Integer | No       | 20                   | Paging size.<br>Maximum: 50.<br>Value range: random integer between 1 and 50.<br>Default value: 20                                                        |
| <b>ResourceGroupId</b> | String  | No       | Your maid            | The resource group ID.                                                                                                                                    |
| <b>StartTime</b>       | String  | No       | 2017-12-21T08:00:00Z | The start time, the format is 2017-01-01T12:12:20Z.                                                                                                       |
| <b>Status</b>          | String  | No       | Complete             | <p>The task status.</p> <ul style="list-style-type: none"> <li>Complete</li> <li>Refreshing</li> <li>Failed</li> </ul>                                    |
| <b>TaskId</b>          | String  | No       | 1234321              | Query refresh status by task ID.                                                                                                                          |

### Return Parameters

| Parameters     | Type   | Example values | Description                           |
|----------------|--------|----------------|---------------------------------------|
| <b>Tasks</b>   |        |                | The task list consisting of TaskItem. |
| <b>LTaskId</b> | String | 704225667      | The task ID.                          |

| Parameters           | Type   | Example values                                          | Description                                                                                                                                                                                                               |
|----------------------|--------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LObjectPath</b>   | String | <a href="http://aaa.com/1.txt">http://aaa.com/1.txt</a> | Refresh the object path.                                                                                                                                                                                                  |
| <b>LStatus</b>       | String | Complete                                                | Status. Value: <ul style="list-style-type: none"> <li>Complete</li> <li>Refreshing</li> <li>Failed</li> <li>Pending</li> </ul>                                                                                            |
| <b>LProcess</b>      | String | 100%                                                    | Process percentage.                                                                                                                                                                                                       |
| <b>LObjectType</b>   | String | File                                                    | Task type. <ul style="list-style-type: none"> <li>file</li> <li>path</li> <li>preload</li> </ul>                                                                                                                          |
| <b>LCreationTime</b> | String | 2014-11-27T08: 23: 22Z                                  | Task object creation time, in UTC time.                                                                                                                                                                                   |
| <b>LDescription</b>  | String | Internal Error                                          | Returned error description when push and refresh failed, currently including three errors: <ul style="list-style-type: none"> <li>Internal Error</li> <li>Origin timeout</li> <li>Origin Return StatusCode 5XX</li> </ul> |
| <b>PageSize</b>      | Long   | 1                                                       | The whole page size.                                                                                                                                                                                                      |
| <b>Pagenumber</b>    | Long   | 10                                                      | The page number.                                                                                                                                                                                                          |
| <b>TotalCount</b>    | Long   | 2                                                       | The total number of items.                                                                                                                                                                                                |
| <b>RequestId</b>     | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8                    | The ID of the request.                                                                                                                                                                                                    |

## Examples

### Request example

```
https://cdn.aliyuncs.com?&Action=DescribeRefreshTasks&ObjectPath=&
PageNumber=1&PageSize=10&Public request parameter
```

### Normal return example

- JSON format

```
"PageNumber": 1,
"PageSize": 10,
"RequestId": "174F6032-AA26-470D-B90E-36F0EB205BEE",
"Tasks": {
  "CDNTask": [
    {
      "CreationTime": "2018-01-10T09:48:29Z",
      "ObjectPath": "http://aaa.com/1.txt",
      "ObjectType": "file",
      "Process": "100%",
      "Status": "Complete",
      "TaskId": "704225667"
    },
    {
      "CreationTime": "2018-01-10T09:48:29Z",
      "Objectpath": "maid ",
      "ObjectType": "file",
      "Process": "100%",
      "Status": "Complete",
      "TaskId": "704222904"
    }
  ]
}
"TotalCount": 2
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 6.4 DescribeRefreshQuota

The maximum number of times of refreshing (including pushing) URLs and directories.

The remaining number of times of refreshing (including pushing) URLs and directories on the current day.

Restrictions:

- Refresh and pushing interfaces include **RefreshObjectCaches** and **PushObjectCache**

### Request parameters

| Parameters    | Type   | Required | Instance Value       | Description                                             |
|---------------|--------|----------|----------------------|---------------------------------------------------------|
| <b>Action</b> | String | Yes      | DescribeRefreshQuota | The name of this interface. Value: DescribeRefreshQuota |

### Returns Parameters

| Parameters                                                                    | Type   | Example values                           | Description                                                      |
|-------------------------------------------------------------------------------|--------|------------------------------------------|------------------------------------------------------------------|
| <b>RequestId</b>                                                              | String | 42E0554B-80F4-4921-AED6-ACFB22CAAA<br>D0 | The ID of the request.                                           |
| <b>UrlQuota</b>                                                               | String | 2000                                     | Maximum number of times of refreshing URLs.                      |
| <b>DirQuota</b>                                                               | String | 100                                      | Maximum number of times of refreshing directories.               |
| <b>UrlRemain</b>                                                              | String | 1996                                     | Remaining number of times of refreshing URLs on the current day. |
| <b>DirRemain</b>                                                              | String | 99                                       | The amount of directory refresh remaining on the day.            |
| <b>Remaining number of times of refreshing directories on the current day</b> | String | 500                                      | The maximum number of times of refreshing on the current day.    |
| <b>PreloadRemain</b>                                                          | String | 400                                      | The remaining number of times of refreshing on the current day.  |

| Parameters         | Type   | Example values | Description                             |
|--------------------|--------|----------------|-----------------------------------------|
| <b>BlockQuota</b>  | String | 300            | The maximum number of times of block.   |
| <b>blockRemain</b> | String | 200            | The remaining number of times of block. |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeRefreshQuota&Public request parameter
```

### Normal return example

- JSON format

```
"Dirquota": 100 ",
"Dirremain": "99 ",
"PreloadQuota": "500",
"PreloadRemain": "400",
"RequestId": "42E0554B-80F4-4921-AED6-ACFB22CAAAD0",
"UrlQuota": "2000",
"UrlRemain": "1996"
```

### Exception return format

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 7 Log Information Interface

### 7.1 DescribeCdnDomainLogs

Obtain the download address for the original access log of the specified domain name.

**Note:**

Log content is retained for a maximum of 1 month.

#### Request parameters

| Parameters        | Type   | Required | Example values          | Description                                                                                                                                                                                                                                                                               |
|-------------------|--------|----------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Action</b>     | String | Yes      | DescribeCdnDomainLogs   | The name of this interface. Value: DescribeCdnDomainLogs                                                                                                                                                                                                                                  |
| <b>DomainName</b> | String | Yes      | www.yourdomain.com      | Domain name (only supports single query).                                                                                                                                                                                                                                                 |
| <b>EndTime</b>    | String | No       | 2017-12-22T08:00:00:00Z | <ul style="list-style-type: none"><li>End time must be later than start time.</li><li>The time interval between start time and end time does not exceed one year.</li><li>The date format adopts ISO8601 notation and uses the UTC time.</li><li>Example: 2016-10-20T04:00:00Z.</li></ul> |
| <b>LogDay</b>     | String | No       | 2015-05-24              | The day when the log is obtained.                                                                                                                                                                                                                                                         |

| Parameters        | Type   | Required | Example values          | Description                                                                                                                                                                                |
|-------------------|--------|----------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |        |          |                         | <ul style="list-style-type: none"><li>Format: yyyy-MM-dd.</li><li>You can specify one of LogDay, StartTime and EndTime.</li><li>Default: Same day</li></ul>                                |
| <b>PageNumber</b> | Long   | No       | 2                       | The page number.<br>Range value: any integer larger than 1.                                                                                                                                |
| <b>PageSize</b>   | Long   | No       | 300                     | Page size. <ul style="list-style-type: none"><li>Maximum value: 1000</li><li>Range value : any integer between 1 and 1000.</li><li>Default value: 300</li></ul>                            |
| <b>StartTime</b>  | String | No       | 2017-12-21T08:00:00:00Z | Start time when the log is obtained. <ul style="list-style-type: none"><li>The date format adopts ISO8601 notation and uses the UTC time.</li><li>Example: 2016-10-20T04:00:00Z.</li></ul> |

## Return Parameters

| Parameters               | Type   | Example values                                                                                                                                                                                                          | Description                                   |
|--------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>PageNumber</b>        | Long   | 1                                                                                                                                                                                                                       | The page where the data returns.              |
| <b>PageSize</b>          | Long   | 100                                                                                                                                                                                                                     | The entire page size.                         |
| <b>TotalCount</b>        | Long   | 3                                                                                                                                                                                                                       | Total number of bars.                         |
| <b>RequestId</b>         | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8                                                                                                                                                                                    | The ID of the request.                        |
| <b>DomainLogModel</b>    |        |                                                                                                                                                                                                                         | Log model.                                    |
| <b>LDomainName</b>       | String | gc.ggter.com                                                                                                                                                                                                            | Domain name.                                  |
| <b>LDomainLogDetails</b> |        |                                                                                                                                                                                                                         | The data made up by multiple DomainLogDetail. |
| <b>LLogPath</b>          | String | Cdnlog.cn-hangzhou.oss.aliyun-inc.com/gc.ggter.com/2015_05_23/gc.ggter.com_2015_05_23_1100_1200.gz?OSSAccessKeyId\u003d3xmgf7JheOfOTUTf\u0026Expires\u003d1432539994\u0026Signature\u003d7Ly4ccKN3afzAGYyWDbxBcOcn2I%3D | The log path.                                 |
| <b>LStartTime</b>        | String | 2017-12-21T08:00:00:00Z                                                                                                                                                                                                 | Start time.                                   |
| <b>LEndTime</b>          | String | Tes 22t08: 00: 00: 00Z                                                                                                                                                                                                  | End Time.                                     |
| <b>LLogSize</b>          | Long   | 257                                                                                                                                                                                                                     | The log size.                                 |
| <b>LLogName</b>          | String | gc.ggter.com_2015_05_23_1100_1200.gz                                                                                                                                                                                    | The log name.                                 |

## Examples

### Request example

```
https://cdn.aliyuncs.com?Action=DescribeCdnDomainLogs&DomainName=gc.
ggter.com&LogDay=2015-05-24&public request parameter
```

### Normal return example

- JSON format

```
{
  "DomainLogModel": {
    "DomainLogDetails": {
      "DomainLogDetail": [
        {
          "EndTime": "2015-05-23T04:00:00Z",
          "LogName": "gc.ggter.com_2015_05_23_1100_1200.gz",
          "LogPath": "cdnlog.cn-hangzhou.oss.aliyun-inc.
com/gc.ggter.com/2015_05_23/gc.ggter.com_2015_05_23_1100_1200.gz?
Ossaccesskeyid = 3xmgf7JheOf0TUTf & Expires = 1432539994 & Signature
= 7Ly4ccKN3afzAGYyWDbxBc0cn2I % 3D ",
          "LogSize": 257,
          "StartTime": "2015-05-23T03:00:00Z",

          "EndTime": "2015-05-23T08:00:00Z",
          "LOGNAME": "maid ",
          "LogPath": "cdnlog.cn-hangzhou.oss.aliyun-inc
.com/gc.ggter.com/2015_05_23/gc.ggter.com_2015_05_23_1500_1600.
gz? OSSAccessKeyId=3xmgf7JheOf0TUTf&Expires=1432539994&Signature=
dMv7VqPqZHXVbKpmorGIvylC66c%3D",
          "LogSize": 194,
          "StartTime": "2015-05-23T07:00:00Z",

          "EndTime": "2015-05-23T14:00:00Z",
          "LogName": "gc.ggter.com_2015_05_23_2100_2200.gz",
          "LogPath": "cdnlog.cn-hangzhou.oss.aliyun-inc
.com/gc.ggter.com/2015_05_23/gc.ggter.com_2015_05_23_2100_2200.
gz? OSSAccessKeyId=3xmgf7JheOf0TUTf&Expires=1432539994&Signature=
FpSQcbgNcxCBYIxKVoKC8mGghUQ%3D",
          "LogSize": 258,
          "Starttime": "loud: 00: 00Z"

          "DomainName": "gc.ggter.com",
          "PageNumber": 1,
          "PageSize": 100,
          "TotalCount": 3

          "RequestId": "1805F349-0A2B-41D9-B4AD-33632AFC27F1"
        }
      ]
    }
  }
}
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error .",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 7.2 DescribeCustomLogConfig

Query custom log configuration details according to configId.

### Request parameters

| Parameters | Type   | Required | Example values          | Description                                                 |
|------------|--------|----------|-------------------------|-------------------------------------------------------------|
| Action     | String | Yes      | DescribeCustomLogConfig | The name of this interface. Value : DescribeCustomLogConfig |
| ConfigId   | String | Yes      | 123                     | Custom configuration ID.                                    |
| Version    | String | No       | 2014-11-11              | API version.                                                |

### Return parameters

| Parameters | Type   | Example values                                                                                     | Description                           |
|------------|--------|----------------------------------------------------------------------------------------------------|---------------------------------------|
| RequestId  | String | 94E3559F-7B6A-4A5E-AFFD-44E2A208A249                                                               | The request ID.                       |
| Remark     | String | \$timeiso8601\$requestmethod\$                                                                     | Detailed configuration format.        |
| Sample     | String | "[9/Jun/2015:01:58:09+0800] 188.165.15.75 - 1542 \"-\" \"GEThttp://www.aliyun.com/index.html\" 200 | Example.                              |
| Tag        | String | Img1                                                                                               | Tag information of log configuration. |

## Example

### Request example

```
https://cdn.aliyuncs.com? https://cdn.aliyuncs.com?Action=DescribeCustomLogConfig?ConfigId=2df93fd7-5bbc-48c0-bae2-1ee1032d8d86<public request parameter>
```

### Normal return example

- JSON format

```
"Remark": "$time_iso8601_$request_method_$server_protocol.....",
"RequestId": "F32C57AA-7BF8-49AE-A2CC-3F42390F5A16",
"Sample": "[9/Jun/2015:01:58:09 +0800] 188.165.15.75 - 1542 \"-\" \\\"GEThttp://www.aliyun.com/index.html\\\" 200",
"Tag": "xxxxx"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 7.3 ModifyDomainCustomLogConfig

Modify custom log configurations under a domain name.

### Request parameters

| Parameters | Type   | Required | Example values                | Description                                                     |
|------------|--------|----------|-------------------------------|-----------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainCustomLogConfig | The name of this interface. Value : ModifyDomainCustomLogConfig |
| DomainName | String | Yes      | www.yourdomain.com            | Domain name.                                                    |
| Version    | String | No       | 2014-11-11                    | API version.                                                    |

### Return Parameters

| Parameters | Type | Example values | Description |
|------------|------|----------------|-------------|
|------------|------|----------------|-------------|

|           |        |                                                                                                                                           |                                |
|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| RequestId | String | 94E3559F-7B6A-4A5E-AFFD-44E2A208A249                                                                                                      | The ID of the request.         |
| ConfigId  | String | 123                                                                                                                                       | Log configuration ID.          |
| Mark      | String | \$timeiso8601\$requestmethod\$                                                                                                            | Specific configuration format. |
| Sample    | String | [9/Jun/2015:01:58:09+0800]188.165.15.75-1542\"-\\\"GET <a href="http://www.aliyun.com/index.html">http://www.aliyun.com/index.html</a> \\ | Sample.                        |
| Tag       | String | Book                                                                                                                                      | Log configuration ID.          |

## Examples

### Request example

```
https://cdn.aliyuncs.com?Action=DescribeDomainCustomLogConfig&DomainName=xxxx.comPublic request parameter
```

### Normal return example

- JSON format

```
{
  "ConfigId": "25473b84-d598-498e-b148-f23d0a27df52",
  "Remark": "$time_iso8601$request_method$server_protocol....",
  "RequestId": "maid ",
  "Sample": "[9/Jun/2015:01:58:09+0800]188.165.15.75-1542\"-\\\"GET http://www.aliyun.com/index.html\\\"2001912830MISS\\\"Mozilla/5.0 (compatible; AhrefsBot/5.0; +http://ahrefs.com/robot/)\",
  \"Tag\": \"xxxxx\"
}
```

### Exception return example

- JSON format

```
{
  "Code": "InternalError",
  "HostId": "cdn.aliyuncs.com",
  "Message": "The request processing has failed due to some unknown error.",
}
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 7.4 DescribeUserCustomLogConfig

Obtain user's all the custom log configuration.

### Request parameters

| Parameters | Type   | Required | Instance Value              | Description                                                     |
|------------|--------|----------|-----------------------------|-----------------------------------------------------------------|
| Action     | String | Yes      | DescribeUserCustomLogConfig | The name of this interface. Value : DescribeUserCustomLogConfig |
| Version    | String | No       | 2014-11-11                  | API version.                                                    |

### Return parameters

| Parameters | Type   | Example values                                                                                                             | Description            |
|------------|--------|----------------------------------------------------------------------------------------------------------------------------|------------------------|
| RequestId  | String | 94E3559F-7B6A-4A5E-AFFD-44E2A208A249                                                                                       | The ID of the request. |
| ConfigIds  | String | [ "c3bb2c78-2915-4d5a-b6a1-557789255555", "25473b84-d598-498e-b148-f23d0a255555", "1f1e6c6e-6701-4193-ae4d-54bf3e555555" ] | Log configuration ID.  |

### Example

#### Request example

```
https://cdn.aliyuncs.com?Action=DescribeUserCustomLogConfig&public request parameter
```

#### Normal return example

- JSON format

```
"ConfigIds":{
  "ConfigId":[
    "c3bb2c78-2915-4d5a-b6a1-557789255555",
    "25473b84-d598-498e-b148-f23d0a255555",
    "1f1e6c6e-6701-4193-ae4d-54bf3e555555"
```

```
"RequestId": "95D5B69F-8AEC-419B-8F3A-612B35032B0D"
```

### Exception return example

- JSON format

```
"Code": "InternalError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 7.5 ListDomainsByLogConfigId

Query the list of all the domain names using a custom log configuration.

### Request parameters

| Parameters | Type   | Required | Example values           | Description                                                  |
|------------|--------|----------|--------------------------|--------------------------------------------------------------|
| Action     | String | Yes      | ListDomainsByLogConfigId | The name of this interface. Value : ListDomainsByLogConfigId |
| ConfigId   | String | Yes      | 123                      | Custom configuration ID.                                     |
| Version    | String | No       | 2014-11-11               | API version.                                                 |

### Return Parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 94E3559F-7B6A-4A5E-AFFD-44E2A208A249 | The ID of the request. |
| Domains    | String | [ "abc.com", "a.b.c.com" ]           | Domain name list.      |

### Examples

#### Request example

```
https://cdn.aliyuncs.com?Action=ListDomainsByLogConfigId&ConfigId=9732E117-8A37-49FD-A36F-ABBB87556CA7&Public request parameter
```

#### Normal return example

- JSON format

```
"Domains":{
  "Domain":[
    "abc.com",
    "a.b.c.com"

  ]
}

"RequestId":"9732E117-8A37-49FD-A36F-ABBB87556CA7"
```

#### Exception return example

- JSON format

```
"Domains":{
  "Domain":[
    "abc.com",
    "a.b.c.com"

  ]
}

"RequestId":"9732E117-8A37-49FD-A36F-ABBB87556CA7"
```

## 7.6 ModifyDomainCustomLogConfig

Modify custom log configurations under a domain name.

#### Request parameters

| Parameters | Type   | Required | Example values              | Description                                                     |
|------------|--------|----------|-----------------------------|-----------------------------------------------------------------|
| Action     | String | Yes      | ModifyDomainCustomLogConfig | The name of this interface. Value : ModifyDomainCustomLogConfig |
| ConfigId   | String | Yes      | 123                         | Log configuration ID.                                           |
| DomainName | String | Yes      | a.com                       | Domain name.                                                    |
| Version    | String | No       | 2014-11-11                  | API version.                                                    |

#### Return Parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 94E3559F-7B6A-4A5E-AFFD-44E2A208A249 | The ID of the request. |

## Examples

### Request example

```
https://cdn.aliyuncs.com?Action=ModifyDomainCustomLogConfig&DomainName=xxx&ConfigId=xxx&Public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "94E3559F-7B6A-4A5E-AFFD-44E2A208A249"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 7.7 ModifyUserCustomLogConfig

Modifies the user customized log configuration information.

### Request parameters

| Parameters | Type   | Required | Description                                                                     |
|------------|--------|----------|---------------------------------------------------------------------------------|
| Action     | String | Yes      | Operation interface name, required parameter. Value : ModifyUserCustomLogConfig |
| ConfigId   | String | Yes      | Log configuration ID.                                                           |
| Tag        | String | Yes      | Log configuration tag information (no more than 256 characters)                 |

### Return Parameters

| Parameters | Type   | Description            |
|------------|--------|------------------------|
| RequestId  | String | Request ID of the task |

### Specific error codes

| Error Code      | Message                                       | HTTP Return Code | Meaning                                       |
|-----------------|-----------------------------------------------|------------------|-----------------------------------------------|
| InvalidConfigId | The configId provided does not belong to you. | 404              | Tag information contains up to 256 characters |
| InvalidTag      | Tag should be less than 256 characters.       | 403              | Tag information contains up to 256 characters |

### Examples

#### Request example

```
https://cdn.aliyuncs.com?Action=ModifyUserCustomLogConfig&Tag=xxxxPublic Request Parameter>
```

#### Return example

```
{"RequestId": "CEC1492F-EB71-4481-94CF-34BA007DC8E1"}
```

## 8 Configuration Interfaces

### 8.1 DescribeDomainConfigs

Obtain the configuration of the specified CDN domain name.

#### Request parameters

| Name       | Type   | Required | Example values        | Description                                                                                                                                                                                                                                                                                                                                                    |
|------------|--------|----------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainConfigs | The name of this interface. Value : DescribeDomainConfigs                                                                                                                                                                                                                                                                                                      |
| DomainName | String | Yes      | test.test.com         | CDN domain name to be accessed.                                                                                                                                                                                                                                                                                                                                |
| ConfigList | String | No       | cache_expired         | Configurations to be queried, separated by commas (half width). Currently, cache_expired, cc, error_page, http_header, optimize, page_compress, ignore_query_string, range, referer, req_auth, src_host, video_seek, waf, notify_url, and redirect_type configurations can be queried. If this parameter is left blank, the system queries all configurations. |

**Return parameters**

| Name                  | Type   | Example values                                                  | Description                                                |
|-----------------------|--------|-----------------------------------------------------------------|------------------------------------------------------------|
| RequestId             | String | 67E027D8-7A58-4599-B17A-63E9A54FC54F                            | The request ID.                                            |
| DomainConfigs         |        |                                                                 | The corresponding configuration data.                      |
| LCacheExpiredConfigs  |        |                                                                 | File and path expiration configuration.                    |
| LConfigId             | String | 604991                                                          | Configuration ID.                                          |
| LCacheType            | String | suffix                                                          | Suffix/path.                                               |
| LCacheContent         | String | jpeg                                                            | File type/path.                                            |
| LTTL                  | String | 1000                                                            | Cache time.<br>Unit: seconds.                              |
| LWeight               | String | 1                                                               | SeqID.                                                     |
| LStatus               | String | success                                                         | Configuration status.                                      |
| LHttperrorpageconfigs |        |                                                                 | Error page redirection.                                    |
| LConfigId             | String | 23                                                              | Configuration ID.                                          |
| LErrorCode            | String | 501                                                             | Error code.                                                |
| LPageUrl              | String | <a href="http://test.com/501.html">http://test.com/501.html</a> | Redirection page.                                          |
| LStatus               | String | success                                                         | Configuration status.                                      |
| LHTTPHeaderConfigs    |        |                                                                 | Configure response header (visible at the browser end).    |
| LConfigId             | String | 602016                                                          | Configuration ID.                                          |
| LHeaderKey            | String | content-type                                                    | Response header supports parameters of any content.        |
| LHeaderValue          | String | application                                                     | Response header supports parameters of any content, and to |

|                 |        |                    |                                                                                                                                                                                                                                                                               |
|-----------------|--------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |        |                    | delete a header, enter null.                                                                                                                                                                                                                                                  |
| LStatus         | String | success            | Configuration status.                                                                                                                                                                                                                                                         |
| LDynamicConfigs |        |                    | Whole site acceleration configuration.                                                                                                                                                                                                                                        |
| LConfigId       | String | 20                 | Configuration ID.                                                                                                                                                                                                                                                             |
| LDynamicOrigin  | String | http               | Source route scheme.                                                                                                                                                                                                                                                          |
| LStaticType     | String | jpg                | When the file suffix and configuration content completely match, the dynamic acceleration is closed, and suffixes are separated by space. Example: .jpg .txt .html .                                                                                                          |
| LStaticUri      | String | yyy/ggss/ccc/a.txt | When URI and configuration content completely match, the dynamic acceleration is closed, and URIs are separated by space. Example: /1/2/3.jpg /a/b/4.js.                                                                                                                      |
| LStaticPath     | String | /to/no_dynamic_rou | When URI and configuration content are in regular match, the dynamic acceleration is closed. Regular matches are separated by space, and URIs completely matches (^ configuration content \$). If you want to absolutely close dynamic acceleration, use slash (/) or space . |

|                                 |        |           |                                                                                                                                                                           |
|---------------------------------|--------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                 |        |           | Example: /1 .py.                                                                                                                                                          |
| Hu HU L dynamiccac<br>hecontrol | String | no-cache  | When Cache-Control content matches any rules of configuration, the dynamic acceleration is opened. And other configuration is not checked.<br>Example: no-cache no-store. |
| LStatus                         | String | success   | Configuration status.                                                                                                                                                     |
| LReqHeaderC<br>onfigs           |        |           | Modify source custom header.                                                                                                                                              |
| LConfigId                       | String | 123       | Configuration ID.                                                                                                                                                         |
| LKey                            | String | testKey   | Source header.                                                                                                                                                            |
| LValue                          | String | testValue | Source header content, and to delete the header, enter null.                                                                                                              |
| LStatus                         | String | success   | Configuration status.                                                                                                                                                     |
| LSetVarsConfigs                 |        |           | Variable configuration.                                                                                                                                                   |
| LConfigId                       | String | 4125719   | Configuration ID.                                                                                                                                                         |
| LVarName                        | String | typeb     | nginx variable that can be written already exists.                                                                                                                        |
| LVarValue                       | String | typeb     | Variable value, which can cite other variable.                                                                                                                            |
| LStatus                         | String | success   | Configuration status.                                                                                                                                                     |
| LCcConfig                       |        |           | Anti-cc attack.                                                                                                                                                           |
| LConfigId                       | String | 123       | Configuration ID.                                                                                                                                                         |
| LEnable                         | String | on        | Open or close anti-CC attack.                                                                                                                                             |
| LAllowIps                       | String | 1.2.3.4   | TMD anti-interception.                                                                                                                                                    |
| LBlockIps                       | String | 3.4.5.6   | IP blacklist.                                                                                                                                                             |
| LStatus                         | String | success   | Configuration status.                                                                                                                                                     |
| LErrorPageConfig                |        |           | Error page redirection.                                                                                                                                                   |

|                           |        |                                                                                                               |                                                                                                                              |
|---------------------------|--------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| LConfigId                 | String | 123                                                                                                           | Configuration ID.                                                                                                            |
| LErrorCode                | String | 404                                                                                                           | Error code.                                                                                                                  |
| LPageType                 | String | charity                                                                                                       | Type.                                                                                                                        |
| L CustomPageUrl           | String | <a href="http://promotion.alicdn.com/help/oss/error.html">http://promotion.alicdn.com/help/oss/error.html</a> | Redirection page.                                                                                                            |
| LStatus                   | String | success                                                                                                       | Configuration status.                                                                                                        |
| LOptimizeConfig           |        |                                                                                                               | Page optimization acceleration.                                                                                              |
| LConfigId                 | String | 123123                                                                                                        | Configuration ID.                                                                                                            |
| Hu HU L Enable            | String | off                                                                                                           | Switch.                                                                                                                      |
| LStatus                   | String | success                                                                                                       | Configuration status.                                                                                                        |
| L Pagecompressconfig      |        |                                                                                                               | Page Gzip optimization.                                                                                                      |
| LConfigId                 | String | 123                                                                                                           | Configuration ID.                                                                                                            |
| LEnable                   | String | off                                                                                                           | Switch.                                                                                                                      |
| LStatus                   | String | success                                                                                                       | Configuration status.                                                                                                        |
| L Ignorequerystringconfig |        |                                                                                                               | Ignore URL parameter (retain).                                                                                               |
| LConfigId                 | String | 123                                                                                                           | Configuration ID.                                                                                                            |
| L HashKeyArgs             | String | time                                                                                                          | Parameters list retained by Cached hashkey, separated by commas (,), and the content only supports 10 elements with 64 bits. |
| LEnable                   | String | on                                                                                                            | Cached hashkey ignores all the parameters.                                                                                   |
| LStatus                   | String | success                                                                                                       | Configuration status.                                                                                                        |
| "Rangeconfig"             |        |                                                                                                               | Range request function.                                                                                                      |
| LConfigId                 | String | 123                                                                                                           | Configuration ID.                                                                                                            |
| LEnable                   | String | on                                                                                                            | Switch.                                                                                                                      |

|                    |        |                                                         |                                                                                                                                                                              |
|--------------------|--------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LStatus            | String | success                                                 | Configuration status.                                                                                                                                                        |
| LRefererConfig     |        |                                                         | Referer blacklist and whitelist configuration.                                                                                                                               |
| Hu HU L ConfigId   | String | 123                                                     | Configuration ID.                                                                                                                                                            |
| LReferType         | String | block                                                   | Refer type.                                                                                                                                                                  |
| LReferList         | String | www.alibabacloud.com                                    | Refer domain name, separated by commas (.). The front and back ends does not include period (.). Suffix match.<br>Example: sina.com matches www.sina.com and www.ch.sina.com |
| LAllowEmpty        | String | on                                                      | Empty refer is allowed.                                                                                                                                                      |
| LDisableAst        | String | test                                                    | Close full stop (.) before domain name and use exact match.                                                                                                                  |
| LStatus            | String | success                                                 | Configuration status.                                                                                                                                                        |
| L Reqauthconfig    |        |                                                         | Alibaba authentication.                                                                                                                                                      |
| LConfigId          | String | 123                                                     | Configuration ID.                                                                                                                                                            |
| LAuthType          | String | type_c                                                  | Type.                                                                                                                                                                        |
| LKey1              | String | vadfawerq                                               | Authentication keyA.                                                                                                                                                         |
| LKey2              | String | Acbdert                                                 | Authentication keyB.                                                                                                                                                         |
| LStatus            | String | success                                                 | Configuration status.                                                                                                                                                        |
| LAliAuthWhitelList | String | test                                                    | Authentication whitelist.                                                                                                                                                    |
| LAuthM3u8          | String | on                                                      | Enable m3u8 content rewriting function: (on off).                                                                                                                            |
| LAuthAddr          | String | <a href="http://test.com/test">http://test.com/test</a> | Remote authentication server address URL.                                                                                                                                    |
| LAuthRemoteDesc    | String | test                                                    | Module string.                                                                                                                                                               |

|                      |        |                                               |                                            |
|----------------------|--------|-----------------------------------------------|--------------------------------------------|
| LTimeOut             | String | 2400                                          | Custom authentication buffer time.         |
| LSrcHostConfig       |        |                                               | Modify source Host header.                 |
| LConfigId            | String | 123                                           | Configuration ID.                          |
| LDomainName          | String | www.aliyun.com                                | Source Host header content.                |
| LStatus              | String | success                                       | Configuration status.                      |
| LVideoSeekConfig     |        |                                               | Video slice drag/drop switch.              |
| LConfigId            | String | 123                                           | Configuration ID.                          |
| LEnable              | String | on                                            | Switch.                                    |
| LStatus              | String | success                                       | Configuration status.                      |
| LWafConfig           |        |                                               | Anti-cross site scripting attack.          |
| LConfigId            | String | 123                                           | Configuration ID.                          |
| LEnable              | String | off                                           | Switch.                                    |
| LStatus              | String | success                                       | Configuration status.                      |
| LNotifyUrlConfig     |        |                                               | Live.                                      |
| LEnable              | String | on                                            | Switch.                                    |
| LNotifyUrl           | String | <a href="http://test.com">http://test.com</a> | URL.                                       |
| LRedirectTypeConfig  |        |                                               | Forced HTTP/HTTPS jump.                    |
| LRedirectType        | String | HTTPS                                         | Forced jump.                               |
| LForwardSchemeconfig |        |                                               | Swift adaptive source.                     |
| LConfigId            | String | 123                                           | Configuration ID.                          |
| LEnable              | String | on                                            | Switch.                                    |
| LSchemeOrigin        | String | http                                          | Source site protocol (http https follow).  |
| LSchemeOriginPort    | String | 80.                                           | Source site protocol port (80 443 80:443). |

|                          |        |          |                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LStatus                  | String | success1 | Configuration status.                                                                                                                                                                                                                                                                                                                   |
| LRemoveQueryStringConfig |        |          | Ignore URL parameters (Delete).                                                                                                                                                                                                                                                                                                         |
| LAliRemoveArgs           | String | time     | Delete specified parameters. The remaining parameters are separated by space, and are part of URL args in hashkey.                                                                                                                                                                                                                      |
| LConfigId                | String | 1123     | Configuration ID.                                                                                                                                                                                                                                                                                                                       |
| LStatus                  | String | success  | Configuration status.                                                                                                                                                                                                                                                                                                                   |
| L2OssKeyConfig           |        |          | L2 OSS source private key.                                                                                                                                                                                                                                                                                                              |
| LPrivateOssAuth          | String | on       | Whether or not to open the private OSS authentication function.                                                                                                                                                                                                                                                                         |
| LConfigId                | String | 3512607  | Configuration ID.                                                                                                                                                                                                                                                                                                                       |
| LStatus                  | String | success  | Configuration status.                                                                                                                                                                                                                                                                                                                   |
| LMacServiceConfig        |        |          | Mobile acceleration.                                                                                                                                                                                                                                                                                                                    |
| LAppList                 | String | app,app2 | Applist.                                                                                                                                                                                                                                                                                                                                |
| LEnabled                 | String | on       | Switch.                                                                                                                                                                                                                                                                                                                                 |
| LProcessResult           | String | 0        | <ul style="list-style-type: none"> <li>0: Configuration succeeds.</li> <li>1: mobile acceleration SDK configuration and submission failed.</li> <li>2: mobile acceleration scheduling node failed.</li> <li>3: mobile acceleration node configuration failed.</li> <li>4: mobile acceleration certificate generation failed.</li> </ul> |

|                        |        |         |                                                                                                                                                                        |
|------------------------|--------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |        |         | <ul style="list-style-type: none"> <li>5: system error.</li> </ul>                                                                                                     |
| LConfigId              | String | 3605171 | Configuration ID.                                                                                                                                                      |
| LStatus                | String | success | Configuration status.                                                                                                                                                  |
| LGreenManagerConfig    |        |         | Images porn detection.                                                                                                                                                 |
| LEnabled               | String | off     | Switch.                                                                                                                                                                |
| LConfigId              | String | 4047862 | Configuration ID.                                                                                                                                                      |
| LStatus                | String | success | Configuration status.                                                                                                                                                  |
| LHttpsOptionConfig     |        |         | HTTPS basic parameters.                                                                                                                                                |
| LHttp2                 | String | off     | http2 switch.                                                                                                                                                          |
| LConfigId              | String | 3498758 | Configuration ID.                                                                                                                                                      |
| LStatus                | String | success | Configuration status.                                                                                                                                                  |
| LAlibabaBusinessConfig |        |         | Custom for specific users.                                                                                                                                             |
| LAlibabaBusinessTable  | String | abc     | Module string.                                                                                                                                                         |
| LAlibabaBusinessType   | String | Typea   | Business type.                                                                                                                                                         |
| LConfigId              | String | 4125638 | Configuration ID.                                                                                                                                                      |
| LStatus                | String | success | Configuration status.                                                                                                                                                  |
| LIpAllowListConfig     |        |         | IP whitelist.                                                                                                                                                          |
| LConfigId              | String | 123     | Configuration ID.                                                                                                                                                      |
| LIpList                | String | 8.8.8.8 | Multiple IP lists are separated by comma.                                                                                                                              |
| Hu HU L ipaclxfwd      | String | on      | <ul style="list-style-type: none"> <li>on: preferentially use the ip in xff header.</li> <li>off: preferentially use remote_addr.</li> <li>all: both match.</li> </ul> |
| LStatus                | String | success | Configuration status.                                                                                                                                                  |

## Example

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainConfigs&DomainName=test.com
&ConfigList="cache_expired,cc,page_compress"&Public request parameter
```

### Normal return example

- JSON format

```
{
  "DomainConfigs":{
    "AliBusinessConfig":{
      "AliBusinessType":"typea",
      "ConfigId":"4125638",
      "Status":"success"
    },
    "CacheExpiredConfigs":{
      "CacheExpiredConfig":[
        {
          "CacheContent":"jpeg",
          "CacheType":"suffix",
          "ConfigId":"604991",
          "Status":"testing",
          "TTL": 1000,
          "Weight":"1"
        },
        {
          "CacheContent":"jpg,png",
          "CacheType":"suffix",
          "ConfigId":"607216",
          "Status": "testing",
          "TTL":"600",
          "Weight":"99"
        }
      ]
    },
    "CcConfig":{
      "AllowIps":"1.2.3.4",
      "BlockIps":"3.4.5.6",
      "Enable":"on"
    },
    "DynamicConfigs":{
      "DynamicConfig":[{
        "ConfigId":"20",
        "Maid": "No-Cache",
        "DynamicOrigin":"http",
        "Staticpath": "/to/no_dynamic_rou",
        "Statictype": "jpg",
        "StaticUri":"yyy/ggss/ccc/a.txt"
      }]
    },
    "ErrorPageConfig":{
      "CustomPageUrl":"http://promotion.alicdn.com/help/oss/error.html",
      "ErrorCode":"404",
      "PageType":"charity"
    }
  }
}
```

```

},
"GreenManagerConfig":{
  "Configid": 4047862 ",
  "Enabled":"off",
  "Status":"success"
},
"HttpErrorPageConfigs":{
  "HttpErrorPageConfig":[
    {
      "ErrorCode":"404",
      "PageUrl":"http://promotion.alicdn.com/help/oss/error.html"
    },
    {
      "ErrorCode":"501",
      "PageUrl":"http://test.com/501.html"
    },
    {
      "ErrorCode":"502",
      "PageUrl":"http://test.com/502.html"
    }
  ]
},
"HttpHeaderConfigs":{
  "HttpHeaderConfig":[
    {
      "ConfigId":"602016",
      "HeaderKey":"content-type",
      "HeaderValue":"application",
      "Status": "success"
    },
    {
      "ConfigId":"608841",
      "HeaderKey":"content-type",
      "Headervalue": "app ",
      "Status":"testing"
    },
    {
      "ConfigId":"602018",
      "HeaderKey":"cache-control",
      "HeaderValue":"application",
      "Status":"success"
    },
    {
      "ConfigId":"602021",
      "HeaderKey":"content-disposition",
      "HeaderValue":"application",
      "Status":"success"
    }
  ]
},
"HttpsOptionConfig":{
  "ConfigId":"3498758",
  "Http2":"off",
  "Status":"success"
},
"IgnoreQueryStringConfig":{
  "Enable":"on"
},
"L2OssKeyConfig":{
  "ConfigId":"3512607",
  "PrivateOssAuth":"on",
  "Status":"success"
}

```

```

},
"MacServiceConfig":{
  "Appllist": "app, app2 ",
  "ConfigId":"3605171",
  "Enabled":"on",
  "Status":"success"
},
"NotifyUrlConfig":{
  "Enable":"on",
  "NotifyUrl":"http://test.com"
},
"OptimizeConfig":{
  "Enable":"off"
},
"PageCompressConfig":{
  "Enable":"off"
},
"RangeConfig":{
  "Enable":"on"
},
"RedirectTypeConfig":{
  "RedirectType":"Https"
},
"RefererConfig":{
  "AllowEmpty":"on",
  "ReferList":"www.alibabacloud.com",
  "ReferType":"block"
},
"RemoveQueryStringConfig":{
  "AliRemoveArgs":"time",
  "ConfigId":"1123"
},
"ReqAuthConfig":{
  "AuthType":"type_c",
  "Key1": "maid ",
  "Key2":"Acbdert",
  "TimeOut":"2400"
},
"ReqHeaderConfigs":{
  "ReqHeaderConfig":[{
    "ConfigId":"123",
    "Key":"testKey",
    "Value":"testValue"
  }]
},
"Maid ":{
  "SetVarsConfig":[
    {
      "Configid": 4125719 ",
      "Status":"success",
      "VarName":"typeb",
      "Varvalue": "typeB"
    },
    {
      "Configid": 4125726 ",
      "Status":"success",
      "VarName":"typea",
      "Varvalue": "typea"
    }
  ]
},
"SrcHostConfig":{

```

```
"DomainName": "www.aliyun.com"
},
"VideoSeekConfig": {
  "Enable": "on"
},
"WafConfig": {
  "Enable": "off"
}
},
"RequestId": "67E027D8-7A58-4599-B17A-63E9A54FC54F"
}
```

### Exception return example

- JSON format

```
{
  "Code": "InternalServerError",
  "HostId": "cdn.aliyuncs.com",
  "Message": "The request processing has failed due to some unknown error.",
  "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

## 8.2 SetOptimizeConfig

The page optimization function can be used to delete comments and repeated white spaces embedded in HTML, Javascript and CSS to effectively remove redundant page content, reduce the file size, and improve the efficiency of accelerated delivery.

### Request parameters

| Name       | Type   | Required | Example values     | Description                                                         |
|------------|--------|----------|--------------------|---------------------------------------------------------------------|
| Action     | String | Yes      | SetOptimizeConfig  | The name of this interface.<br>Value: SetOptimizeConfig             |
| DomainName | String | Yes      | www.macaron.org.cn | The CDN domain name which needs the page optimization function.     |
| Enable     | String | Yes      | On                 | Enable or disable the page optimization function.<br>Value: On, Off |

**Return parameters**

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

**Examples****Request example**

```
http://cdn.aliyuncs.com/?Action=SetOptimizeConfig
&Enable=on
&DomainName=www.macaron.org.cn
&Public request parameter
```

**Normal return example**

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

**Exception return example**

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.3 SetPageCompressConfig

Set the smart compression function.

**Request parameters**

| Parameters | Type   | Required | Example values        | Description                                               |
|------------|--------|----------|-----------------------|-----------------------------------------------------------|
| Action     | String | Yes      | SetPageCompressConfig | The name of this interface. Value : SetPageCompressConfig |

|            |        |     |                    |                                                                     |
|------------|--------|-----|--------------------|---------------------------------------------------------------------|
| DomainName | String | Yes | www.macaron.org.cn | Your CDN domain which needs smart compression configuration.        |
| Enable     | String | Yes | On                 | Enable or disable the smart compression function.<br>Value: On, Off |

### Return parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetPageCompressConfig&Enable=on&DomainName=www.macaron.org.cn&Public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

#### Exception return example

- JSON format

```
"Code": "InternalError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown error."
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.4 SetIgnoreQueryStringConfig

Set the filter parameter function.

### Request parameters

| Parameters  | Type   | Required | Example values             | Description                                                                                                                                           |
|-------------|--------|----------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action      | String | Yes      | SetIgnoreQueryStringConfig | The name of this interface. Value : SetIgnoreQueryStringConfig                                                                                        |
| DomainName  | String | Yes      | www.macaron.org.cn         | Your CDN domain name which needs enabling the filter parameter function.                                                                              |
| Enable      | String | Yes      | On                         | Enable or disable the filter parameter function. Value: On, Off                                                                                       |
| HashKeyArgs | String | No       | time                       | Retention parameters. Multiple retention parameters are separated by comma (English, half-width), and at most 10 retention parameters are configured. |
| KeepOssArgs | String | No       | On                         | Value: On, Off <ul style="list-style-type: none"><li>On: indicates all the parameters are retained in the process of back-to-source .</li></ul>       |

|  |  |  |  |                                                                                 |
|--|--|--|--|---------------------------------------------------------------------------------|
|  |  |  |  | <ul style="list-style-type: none"> <li>Off: indicates being disabled</li> </ul> |
|--|--|--|--|---------------------------------------------------------------------------------|

### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetIgnoreQueryStringConfig&Enable=on&DomainName=www.macaron.org.cn&Public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.5 SetRangeConfig

Set the range back-to-source function.



#### Note:

To use the range back-to-source function, ensure that the source site supports range requests, indicating that the source site must be able to return correct 206 file slice for an HTTP request header containing a range field.

## Request parameters

| Parameters | Type   | Required | Example values     | Description                                                                       |
|------------|--------|----------|--------------------|-----------------------------------------------------------------------------------|
| Action     | String | Yes      | SetRangeConfig     | The name of this interface. Value: SetRangeConfig                                 |
| DomainName | String | Yes      | www.macaron.org.cn | The accelerated domain name to turn on this feature.                              |
| Enable     | String | Yes      | On                 | Configure the range back to the source feature to turn on or off. Values: On, off |

## Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

## Examples

### Request example

```
http://cdn.aliyuncs.com/?Action=SetRangeConfig
&Enable=on
&DomainName=www.macaron.org.cn
&Public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
```

```
"Message": "The request processing has failed due to some unknown error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.6 SetVideoSeekConfig

Set the drag/drop playback function.



### Note:

- To use the range back-to-source function, ensure that the source site supports Range requests, indicating that the source site must be able to return correct 206 partial content for an HTTP request header containing a Range field.
- Currently, the MP4 and FLV file formats are supported.

### Request parameters

| Parameters | Type   | Required | Example values     | Description                                                        |
|------------|--------|----------|--------------------|--------------------------------------------------------------------|
| Action     | String | Yes      | SetVideoSeekConfig | The name of this interface. Value : SetVideoSeekConfig             |
| DomainName | String | Yes.     | www.macaron.org.cn | Your CDN domain name.                                              |
| Enable     | String | Yes.     | On                 | Enable or disable the drag/drop playback function . Value: On, off |

### Return parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetVideoSeekConfig  
&Enable=on  
&DomainName=www.macaron.org.cn
```

&Public request parameter

### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.7 SetSourceHostConfig

Set the back-to-source host function.



### Note:

If the origin site is an OSS domain name, the OSS domain name must be set as the back-to-source host (that is, the source site domain name) to ensure normal back-to-source operation.

### Request parameters

| Parameters    | Type   | Required | Example value       | Description                                                      |
|---------------|--------|----------|---------------------|------------------------------------------------------------------|
| Action        | String | Yes      | Setsourcehostconfig | The name of this interface. Value : SetSourceHostConfig          |
| DomainName    | String | Yes      | www.yourdomain.com  | Your CDN domain name.                                            |
| BackSrcDomain | String | No       | www.aliyun.com      | Custom back-to-source domain name.                               |
| Enable        | String | No       | On                  | Enum on, off . Whether the custom host configuration is enabled. |

|  |  |  |  |                   |
|--|--|--|--|-------------------|
|  |  |  |  | Default value: on |
|--|--|--|--|-------------------|

### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetSourceHostConfig
&BackSrcDomain=www.aliyun.com
&DomainName=www.macaron.org.cn
&Public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.8 SetErrorPageConfig

Set custom 404 page redirect for a CDN domain.

### Request parameters

| Parameters | Type   | Required | Example values     | Description                                            |
|------------|--------|----------|--------------------|--------------------------------------------------------|
| Action     | String | Yes      | SetErrorPageConfig | The name of this interface. Value : SetErrorPageConfig |

|               |        |      |                                                                                               |                                                                                                                                                                        |
|---------------|--------|------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DomainName    | String | Yes. | www.yourdomain.com                                                                            | Your CDN domain name.                                                                                                                                                  |
| Pagetype      | String | Yes. | default                                                                                       | Error page type.<br>Value: <ul style="list-style-type: none"><li>• default: default page</li><li>• charity: public welfare page</li><li>• other: custom page</li></ul> |
| CustomPageUrl | String | No   | <a href="http://www.macaron.org.cn/notfound.html">http://www.macaron.org.cn/notfound.html</a> | URL of the custom page for redirect after an error occurs (complete path under the CDN domain name).                                                                   |

### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetErrorPageConfig
&DomainName=www.macaron.org.cn
&CustomPageUrl=http://www.macaron.org.cn/notfound.html
&PageType=other
&Public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.9 SetForceRedirectConfig

Set the force redirect method, and currently support HTTP and HTTPS force redirects.



### Note:

Force redirect can be enabled only after the user has uploaded a certificate and the certificate is enabled.

### Request parameters

| Parameters   | Type   | Required | Example values         | Description                                                                                                      |
|--------------|--------|----------|------------------------|------------------------------------------------------------------------------------------------------------------|
| Action       | String | Yes      | SetForceRedirectConfig | The name of this interface. Value : SetForceRedirectConfig                                                       |
| DomainName   | String | Yes.     | www.macaron.org.cn     | Your CDN domain name.                                                                                            |
| RedirectType | String | Yes.     | Off                    | Force redirect type. Value: <ul style="list-style-type: none"><li>• Off</li><li>• Http</li><li>• Https</li></ul> |

### Return parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetForceRedirectConfig
&DomainName=www.macaron.org.cn
&RedirectType=Https
&Public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown
error.",
"RequestId": "maid"
```

## 8.10 SetRefererConfig

Set the referer anti-leech function for CDN domain names.

#### Request parameters

| Parameters | Type   | Required | Example values     | Description                                                                                                                               |
|------------|--------|----------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | SetRefererConfig   | The name of this interface. Value: SetRefererConfig                                                                                       |
| DomainName | String | Yes.     | www.yourdomain.com | Your CDN domain name.                                                                                                                     |
| ReferType  | String | Yes.     | block              | Refer type. Value: <ul style="list-style-type: none"><li>block: blacklist</li><li>allow: whitelist</li></ul>                              |
| AllowEmpty | String | No       | on                 | Whether to allow access with a blank referer. Value: <ul style="list-style-type: none"><li>on: allowed</li><li>off: not allowed</li></ul> |

|            |        |    |             |                                                                                                                                                                                                                                                              |
|------------|--------|----|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |        |    |             | Default value: on                                                                                                                                                                                                                                            |
| DisableAst | String | No | off         | Whether CDN domain name is matched exactly.<br>Value: <ul style="list-style-type: none"> <li>on: exact match, not automatically match the sub-domain-name.</li> <li>off: fuzzy match, automatically match the sub-domain-name.</li> </ul> Default value: off |
| ReferList  | String | No | a.com,b.com | The domain name lists separated by comma (,).                                                                                                                                                                                                                |

### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetRefererConfig
&DomainName=www.macaron.org.cn
&ReferList=www.aliyun.com%2Cwww.taobao.com
&ReferType=allow
&AllowEmpty=on
&public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.11 SetFileCacheExpiredConfig

Set file expiration configuration.

### Request parameters

| Parameters               | Type   | Required | Example values            | Description                                                                                                         |
|--------------------------|--------|----------|---------------------------|---------------------------------------------------------------------------------------------------------------------|
| Action                   | String | Yes      | SetFileCacheExpiredConfig | The name of this interface.<br>Value: SetFileCacheExpiredConfig                                                     |
| CacheContentCachecontent | String | Yes.     | jpg, png                  | Filename suffixes, which are separated by commas (,).                                                               |
| DomainName               | String | Yes.     | www.yourdomain.com        | Your CDN domain name.                                                                                               |
| TTL.                     | String | Yes.     | 600                       | Cache time configuration.<br>Unit: seconds                                                                          |
| Weight                   | String | No       | 22                        | Weight of the configuration.<br>Value range: 1-99. A greater value indicates a higher priority.<br>Default value: 1 |

### Return parameters

| Parameters | Type | Example values | Description |
|------------|------|----------------|-------------|
|------------|------|----------------|-------------|

|           |        |                                      |                        |
|-----------|--------|--------------------------------------|------------------------|
| RequestId | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |
|-----------|--------|--------------------------------------|------------------------|

## Examples

### Request example

```
http://cdn.aliyuncs.com/?Action=SetFileCacheExpiredConfig
&CacheContent=jpg%2Cpng
&DomainName=www.macaron.org.cn
&TTL=600
&Weight=50
&public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.12 SetPathCacheExpiredConfig

Modify directory expiration configuration.

### Request parameters

| Parameters   | Type   | Required | Example values            | Description                                                   |
|--------------|--------|----------|---------------------------|---------------------------------------------------------------|
| Action       | String | Yes      | Setpathcacheexpiredconfig | The name of this interface. Value : SetPathCacheExpiredConfig |
| CacheContent | String | Yes.     | /static/html/             | Enter the path.                                               |
| DomainName   | String | Yes.     | www.yourdomain.com        | Your CDN domain name.                                         |

|        |        |      |     |                                                                                                                         |
|--------|--------|------|-----|-------------------------------------------------------------------------------------------------------------------------|
| TTL.   | String | Yes. | 600 | Cache time configuration.<br>Unit: seconds                                                                              |
| Weight | String | No   | 22  | Weight of the configuration.<br>Value range: 1-99<br>. A greater value indicates a higher priority.<br>Default value: 1 |

### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetPathCacheExpiredConfig
&CacheContent=%2Fstatic%2Fhtml%2F
&DomainName=www.macaron.org.cn
&TTL=600
&Weight=50
&Public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.13 ModifyFileCacheExpiredConfig

Modify file expiration settings.

### Request parameters

| Parameters   | Type   | Required | Example values                       | Description                                                                                                                      |
|--------------|--------|----------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Action       | String | Yes      | Modifyfile<br>cacheexpir<br>edconfig | The name of<br>this interface.<br>Value: ModifyFile<br>CacheExpir<br>edConfig                                                    |
| CacheContent | String | Yes.     | jpg, png                             | Filename suffixes<br>, which are<br>separated by<br>commas (,).                                                                  |
| ConfigID     | String | Yes.     | 905535                               | Configuration ID<br>to be modified.                                                                                              |
| DomainName   | String | Yes.     | www.yourdomain<br>.com               | Your CDN<br>domain name.                                                                                                         |
| TTL.         | String | Yes.     | 600                                  | Cache time<br>configuration.<br>Unit: seconds                                                                                    |
| Weight       | String | No       | 22                                   | Weight of the<br>configuration.<br>Value range: 1-99<br>. A greater value<br>indicates a higher<br>priority.<br>Default value: 1 |

### Return parameters

| Parameters | Type   | Example values                               | Description            |
|------------|--------|----------------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-<br>4EC5-8E43-<br>CB92E68F4CD8 | The ID of the request. |

## Examples

### Request example

```
http://cdn.aliyuncs.com/?Action=ModifyFileCacheExpiredConfig
&CacheContent=jpg%2Cpng
&DomainName=www.macaron.org.cn
&TTL=600
&Weight=50
&ConfigID=905535
&public request parameter
```

### Normal return example

- JSON format

```
"RequestId":"04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return example

- JSON format

```
"Code":"InternalServerError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown
error.",
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.14 ModifyPathCacheExpiredConfig

You can modify the path cache policy via this interface.

### Request parameters

| Parameter    | Type   | Required | Description                                                     |
|--------------|--------|----------|-----------------------------------------------------------------|
| Action       | String | Yes      | The name of this interface. Value: ModifyPathCacheExpiredConfig |
| Domainname   | String | Yes      | Your CDN domain name.                                           |
| ConfigID     | String | Yes      | Configuration ID to be modified                                 |
| CacheContent | String | Yes      | Path                                                            |

| Parameter | Type   | Required | Description                                                                                                                 |
|-----------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------|
| TTL       | String | Yes      | Cache time (unit: second).                                                                                                  |
| Weight    | String | No       | Weight of the configuration. The value range is 1 ~ 99. A larger value indicates a higher priority. The default value is 1. |

### Response parameters

| Parameters | Type   | Description            |
|------------|--------|------------------------|
| RequestId  | String | Request ID of the task |

### Example

#### Request example

```
http://cdn.aliyuncs.com/?Action=ModifyPathCacheExpiredConfig
&CacheContent=%2Fstatic%2Fhtml%2F
&DomainName=www.macaron.org.cn
&TTL=600
&Weight=50
&ConfigID=905535
&Public request parameter
```

#### Response example

##### JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

##### XML format

```
AED00EC1-32A8-4D48-BEB9-BD782AF3C6BD
```

### Error codes

Error codes specific to this interface are as follows. For more error codes, see [API Error Center](#).

| Error code                      | Error message                                               | HTTP status code | Meaning                                                                               |
|---------------------------------|-------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
| InvalidCacheContent.Malformed   | The specified value of parameter CacheContent is malformed. | 400              | The specified <b>CacheContent</b> value is invalid because it is in incorrect format. |
| InvalidWeight.ValueNotSupported | The specified value of parameter Weight is not supported.   | 400              | The specified <b>Weight</b> is invalid because it is out of the valid range.          |

## 8.15 DeleteCacheExpiredConfig

Delete a custom cache policy.

### Request parameters

| Parameters | Type   | Required | Example values           | Description                                                                                                                                                            |
|------------|--------|----------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DeleteCacheExpiredConfig | The name of this interface. Value : DeleteCacheExpiredConfig                                                                                                           |
| CacheType  | String | Yes.     | suffix                   | Cached content type. Value: <ul style="list-style-type: none"> <li>suffix: filename suffix.</li> <li>path: path. Directory and complete path are supported.</li> </ul> |
| ConfigID   | String | Yes.     | 903423                   | Configuration ID . This parameter need not be specified for the Add operation , but must be specified for the Modify operation.                                        |
| DomainName | String | Yes.     | www.yourdomain.com       | Your CDN domain name.                                                                                                                                                  |

### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

## Examples

### Request example

```
http://cdn.aliyuncs.com/?Action=DeleteCacheExpiredConfig
&CacheType=path
&ConfigID=903423
&DomainName=www.macaron.org.cn
&public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.16 SetReqAuthConfig

Set CDN domain access authentication configuration.

- [URL authentication.](#)
- [Sample authentication code for python version.](#)

### Request parameters

| Parameters | Type   | Required | Example values   | Description                                          |
|------------|--------|----------|------------------|------------------------------------------------------|
| Action     | String | Yes      | SetReqAuthConfig | The name of this interface. Value : SetReqAuthConfig |

|                |        |     |                    |                                                                                                                                                                                                                                                          |
|----------------|--------|-----|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AuthType       | String | Yes | no_auth            | Authorization type<br>. Value:<br><ul style="list-style-type: none"><li>• “no_auth”: disabled</li><li>• “type_a”: Method A</li><li>• “type_b”: Method B</li><li>• “type_c”: Method C</li><li>• “type_d”: Method D</li><li>• “type_e”: Method E</li></ul> |
| DomainName     | String | Yes | www.yourdomain.com | Your CDN domain name.                                                                                                                                                                                                                                    |
| AuthRemoteDesc | String | No  | aaa                | Module string.                                                                                                                                                                                                                                           |
| Key1           | String | No  | fd8eqw3Q           | Main authentication key, consisting of upper and lowercase letters and numbers. The length is 1 to 64 characters.                                                                                                                                        |
| Key2           | String | No  | v83ka2np           | Standby authentication Key, consisting of upper and lowercase letters and numbers. The length is 1 to 64 characters.                                                                                                                                     |
| TimeOut        | String | No  | 2400               | Effective time. Enter numbers.                                                                                                                                                                                                                           |

**Return parameters**

| Parameters | Type | Example values | Description |
|------------|------|----------------|-------------|
|------------|------|----------------|-------------|

|           |        |                                      |            |
|-----------|--------|--------------------------------------|------------|
| RequestId | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID |
|-----------|--------|--------------------------------------|------------|

## Examples

### Request example

```
http://cdn.aliyuncs.com/?Action=SetReqAuthConfig
&DomainName=www.macaron.org.cn
&AuthType=type_a
&Key1=fd8eqw3Q
&Key2=v83ka2np
&TimeOut=2400
&public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.17 SetHTTPHeaderConfig

Set custom HTTP headers.

### Request parameters

| Parameters | Type   | Required | Example value       | Description                                             |
|------------|--------|----------|---------------------|---------------------------------------------------------|
| Action     | String | Yes      | SetHttpHeaderConfig | The name of this interface. Value : SetHttpHeaderConfig |
| Domainname | String | Yes      | www.yourdomain.com  | Your CDN domain name.                                   |

|             |        |     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------|--------|-----|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Headerkey   | String | Yes | Content-Type | HTTP header parameter. Value: <ul style="list-style-type: none"> <li>Content-Type</li> <li>Cache-control</li> <li>Content-Disposition</li> <li>Content-language</li> <li>Expires</li> <li>Access-control-allow-Origin</li> <li>Step 4: Parameters configuration Access-Control-Allow-Methods:</li> <li>Access-control-allow-headers</li> <li>Access-control-max-age</li> <li>Access-control-expose-headers</li> <li>Access-control-allow-Credentials</li> </ul> |
| Headervalue | String | Yes | application  | HTTP header parameter value.                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

### Example

#### Request example

```
Http://cdn.aliyuncs.com /? Action = fig
```

```
& Domainname = maid
& Headerkey = Content-Type
& Headervalue = Application
&CommonParameters
```

### Normal return sample

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return sample

- JSON format

```
"Code": "internalerror ",
"Hostid": "maid ",
"Message": "The request processing has failed due to some unknown
error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.18 ModifyHttpHeaderConfig

Modify custom HTTP headers.

### Request parameters

| Parameters | Type   | Required | Example values         | Description                                                                                                                                                                                 |
|------------|--------|----------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | ModifyHttpHeaderConfig | The name of this interface.<br>Value: ModifyHttpHeaderConfig                                                                                                                                |
| ConfigID   | String | Yes.     | 892783                 | Configuration ID to be modified.                                                                                                                                                            |
| DomainName | String | Yes.     | www.yourdomain.com     | Your CDN domain name.                                                                                                                                                                       |
| HeaderKey  | String | Yes.     | content-type           | HTTP header parameter. Value: <ul style="list-style-type: none"> <li>content-type</li> <li>cache-control</li> <li>content-disposition</li> <li>content-language</li> <li>expires</li> </ul> |

|             |        |      |             |                                                                                                                                                           |
|-------------|--------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|             |        |      |             | <ul style="list-style-type: none"> <li>• access-control-allow-origin</li> <li>• access-control-allow-methods</li> <li>• access-control-max-age</li> </ul> |
| HeaderValue | String | Yes. | application | HTTP header parameter value.                                                                                                                              |

### Return parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=ModifyHTTPHeaderConfig
&DomainName=www.macaron.org.cn
&HeaderKey=content-type
&headerValue=application
&ConfigID=892783
&public request parameters
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error."
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.19 DeleteHttpHeaderConfig

Delete the Referer anti-leech configuration of a CDN domain.

### Request parameters

| Parameters | Type   | Required | Example values         | Description                                                  |
|------------|--------|----------|------------------------|--------------------------------------------------------------|
| Action     | String | Yes      | DeleteHttpHeaderConfig | The name of this interface.<br>Value: DeleteHttpHeaderConfig |
| ConfigID   | String | Yes      | 438205                 | ConfigID                                                     |
| DomainName | String | Yes      | www.yourdomain.com     | DomainName                                                   |

### Return parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=DeleteHttpHeaderConfig
&DomainName=www.macaron.org.cn
&ConfigID=438205
&Public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
```

```
"Message": "The request processing has failed due to some unknown error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.20 SetDomainServerCertificate

Set whether to enable the certificate function under a domain name and modify certificate information.

### Request parameters

| Parameters              | Type   | Required | Example values             | Description                                                                                                                                                      |
|-------------------------|--------|----------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action                  | String | Yes      | SetDomainServerCertificate | The name of this interface. Value : SetDomainServerCertificate                                                                                                   |
| DomainName              | String | Yes      | www.yourdomain.com         | CDN domain name of a specified certificate, which belongs to the HTTPS acceleration type.                                                                        |
| ServerCertificateStatus | String | Yes      | on                         | Whether the HTTPS certificate is enabled. Value : <ul style="list-style-type: none"><li>on: enabled</li><li>off: disabled</li></ul> Default value: off, disabled |
| CertName                | String | No       | myCert1                    | Certificate Name.                                                                                                                                                |
| PrivateKey              | String | No       | XXXXXXXXX                  | Private key content. If the certificate is not enabled, the parameter is left blank. Enter the certificate content if any certificate is configured.             |
| Region                  | String | No       | cn-hangzhou                | Region                                                                                                                                                           |

|                   |        |    |        |                                                                                                                                                               |
|-------------------|--------|----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Servercertificate | String | No | xxxxxx | Security certificate content. If the certificate is not enabled, the parameter is left blank. Enter the certificate content if any certificate is configured. |
|-------------------|--------|----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Return parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

### Examples

#### Request example

```
http://cdn.aliyuncs.com?Action=SetDomainServerCertificate&DomainName=test.com&CertName=myCert1&ServerCertificateStatus=on&ServerCertificate=xxx&PrivateKey=yyy&public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "0AEDAF20-4DDF-4165-8750-47FF9C1929C9"
```

#### Exception return example

- JSON format

```
"Code": "InternalError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown error."
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 8.21 SetIpBlackListConfig

Sets the IP address blacklist of a CDN domain.



### Note:

You can add an IP address segment to the blacklist. For example, 127.0.0.1/24. In 127.0.0.1/24, "24" indicates that the first 24 bits in the subnet mask are used as valid bits. That is,  $32 - 24 = 8$  bits are used to express the host number. In this way, the subnet can accommodate  $2^8 - 2 = 254$  Hosts. The IP address segment range of "127.0.0.1/24" is 127.0.0.1-127.0.0.255.

### Request parameters

| Parameters | Type   | Required | Example values       | Description                                                                                                              |
|------------|--------|----------|----------------------|--------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | SetIpBlackListConfig | The name of this interface.<br>Value: SetIpBlackListConfig                                                               |
| BlockIps   | String | Yes.     | 192.168.0.1          | IP address blacklist. Access by the listed IP addresses is forbidden. Multiple IP addresses are separated by commas (,). |
| DomainName | String | Yes.     | www.macaron.org.cn   | Your CDN domain name.                                                                                                    |

### Return parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetIpBlackListConfig
&DomainName=www.macaron.org.cn
&BlockIps=192.168.0.1%2F24
&public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown
error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 9 Domain Operation Interface

### 9.1 AddCdnDomain

Add CDN domain names. At one time, you can only submit one domain name. A single user can add up to 20 domain names.

Restrictions:

- Before creating CDN domain name, CDN service must be activated.
- The CDN domain name must complete registration process.
- If the origin site content is not on the Alibaba Cloud platform, it must be reviewed. The review will be completed before the next workday.

#### Request parameters

| Name       | Type   | Required | Example values               | Description                                                                                                                                                                                                                                                                                                                    |
|------------|--------|----------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes.     | AddCdnDomain                 | The name of this interface. Value: AddCdnDomain                                                                                                                                                                                                                                                                                |
| CdnType    | String | Yes      | web                          | The CDN domain business type. Scope of value: <ul style="list-style-type: none"><li>• web: distribution of images and small files.</li><li>• download: acceleration of large file downloads</li><li>• video: acceleration of video and audio on demand.</li><li>• liveStream:: acceleration of live streaming media.</li></ul> |
| DomainName | String | Yes      | www.yourdomain.com           | The domain name that requests access to CDN. Supports generic domain name, and starts with ".", such as .a.com.                                                                                                                                                                                                                |
| Checkurl   | String | No       | www.yourdomain.com/test.html | Health check of the source site.                                                                                                                                                                                                                                                                                               |
| LiveType   | String | No       | liveEdge                     | Live edge streaming.                                                                                                                                                                                                                                                                                                           |

| Name                   | Type   | Require | Example values       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|--------|---------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OwnerAccount</b>    | String | No      | your OwnerAccount    | OwnerAccount.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Priorities</b>      | String | No      | 20                   | Priorities, separated by comma, and the number is consistent with sources.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Region</b>          | String | No      | cn-shanghai          | Unit information of live domain name.                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ResourceGroupId</b> | String | No      | your resourceGroupId | ID of the resource group.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Scope</b>           | String | No      | domestic             | <p>Scope of value:</p> <ul style="list-style-type: none"> <li>• domestic</li> <li>• overseas</li> <li>• global</li> </ul> <p>Default value: domestic. The setting is effective for international users, domestic users of level 3 or above.</p>                                                                                                                                                                                                                            |
| <b>SourcePort</b>      | String | No      | 80                   | <p>You can specify Port 443 and 80. Default value: 80.</p> <p>443 port performs https source. OSS does not support 443 port.</p>                                                                                                                                                                                                                                                                                                                                           |
| <b>SourceType</b>      | String | No      | domain               | <p>Source type. Scope of value:</p> <ul style="list-style-type: none"> <li>• ipaddr : IP source site.</li> <li>• domain : source site of domain name.</li> <li>• oss : oss is the source site.</li> </ul> <div>  <b>Note:</b><br/>           If you select the business type of live streaming media acceleration, the source site type and information is not required.         </div> |
| <b>Sources</b>         | String | No      | www.yourdomain.com   | <p>Source address,, which can be IP or domain name.</p> <ul style="list-style-type: none"> <li>• Supporting at most 10 IP addresses, separated by commas.</li> </ul>                                                                                                                                                                                                                                                                                                       |

| Name                  | Type   | Require | Example values             | Description                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|--------|---------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       |        |         |                            | <ul style="list-style-type: none"> <li>You can only enter one domain name, and you cannot enter IP and domain names simultaneously.</li> <li>If the business type is live streaming media acceleration, the source address is not required to enter. If the business type is other type, source address is required (inner user, the type is common source, and type enum value can be entered).</li> </ul> |
| <b>TopLevelDomain</b> | String | 否       | www.<br>yourTopLevelDomain | Top-level scheduling domain.                                                                                                                                                                                                                                                                                                                                                                                |

### Response parameters

| Name             | Type   | Example value                                            | Description |
|------------------|--------|----------------------------------------------------------|-------------|
| <b>RequestId</b> | String | 16A96B9A-<br>F203-<br>4EC5-<br>8E43-<br>CB92E68F4C<br>D8 | RequestId   |

### Examples

#### Request example

```
1. http://cdn.aliyuncs.com?Action=AddCdnDomain&CdnType=web&SourceType=domain&DomainName=test.com&Sources=test.com&<Public request parameter>
```

#### Normal return example

- JSON format

```
{
  "RequestId": "15C66C7B-671A-4297-9187-2C4477247A74"
}
```

#### Exception return example

- JSON format

```
{
  "Code": "InternalServerError",
  "HostId": "cdn.aliyuncs.com",
  "Message": "The request processing has failed due to some unknown error.",
  "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

## 9.2 DescribeUserDomains

Query all the domain names and statuses under a user name. Support domain name fuzzy match filtering and domain name status filtering. The domain name status includes:

- running (indicates the domain name service is normal and can be used)
- stopped
- configuring
- configure\_failed
- Checking
- Checking\_failedVerifying

### Request parameters

| Parameters              | Type    | Required | Example values      | Description                                              |
|-------------------------|---------|----------|---------------------|----------------------------------------------------------|
| <b>Action</b>           | String  | Yes      | DescribeUserDomains | The name of this interface. Value: DescribeUserDomains   |
| <b>CdnType</b>          | String  | No       | web                 | CDN business type, separated by comma.                   |
| <b>CheckDomainShow</b>  | Boolean | No       | true                | Whether the domain name at the checking status is shown. |
| <b>DomainName</b>       | String  | No       | www.yourdomain.com  | Domain name fuzzy match filtering.                       |
| <b>Domainsearchtype</b> | String  | No       | fuzzy_match         | Domain name search type:                                 |

| Parameters          | Type    | Required | Example values | Description                                                                                                                                                                                       |
|---------------------|---------|----------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     |         |          |                | <ul style="list-style-type: none"> <li>fuzzy_match: fuzzy match</li> <li>pre_match: pre-match</li> <li>suf_match: suf-match</li> <li>full_match: fully match</li> </ul> Default: puzzling y_match |
| <b>DomainStatus</b> | String  | No       | online         | The domain name status filtering.                                                                                                                                                                 |
| <b>FuncFilter</b>   | String  | No       | config         | Filtering, supports config and unconfig. <ul style="list-style-type: none"> <li>config indicates funcid is activated,</li> <li>and unconfig indicates the funcid is not activated.</li> </ul>     |
| <b>Funcid</b>       | String  | No       | 98             | funcid, such as the picture porn-detection function 98.                                                                                                                                           |
| <b>PageNumber</b>   | Integer | No       | 1              | The page number .<br>Range value: 1~100000                                                                                                                                                        |
| <b>PageSize</b>     | Integer | No       | 20             | The page size.<br>Range value: random integer between 1 and 50 .<br>Maximum: 50                                                                                                                   |

| Parameters           | Type   | Required | Example values | Description                                   |
|----------------------|--------|----------|----------------|-----------------------------------------------|
|                      |        |          |                | Default value:<br>20Default: 20               |
| <b>ResourceGroup</b> | String | No       | Your maid      | Resource group ID.                            |
| <b>Sources</b>       | String | No       | a.b.com        | Query according to the return source address. |

Search according to the source address.

| Parameters         | Type   | Example values                       | Description                                                                                                                                                                                                                                              |
|--------------------|--------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RequestId</b>   | String | AA75AADB-5E25-4970-B480-EAA1F5658483 | The ID of the request.                                                                                                                                                                                                                                   |
| <b>PageNumber</b>  | Long   | 1                                    | The page number of the return data.                                                                                                                                                                                                                      |
| <b>PageSize</b>    | Long   | 5                                    | The size of the whole page.                                                                                                                                                                                                                              |
| <b>TotalCount</b>  | Long   | 16                                   | The total number.                                                                                                                                                                                                                                        |
| <b>Domains</b>     |        |                                      | The total number.                                                                                                                                                                                                                                        |
| <b>LDomainName</b> | String | onlytest.cdnpe.com                   | The CDN domain name.                                                                                                                                                                                                                                     |
| <b>LCname</b>      | String | onlytest.cdnpe.com.w.alikunlun.net   | The CNAME corresponding to the CDN domain name.                                                                                                                                                                                                          |
| <b>LCdnType</b>    | String | video                                | Acceleration business type. Value range: <ul style="list-style-type: none"> <li>web: acceleration of images and small files</li> <li>download: acceleration of large file downloads</li> <li>video: acceleration of audio and video on demand</li> </ul> |

| Parameters              | Type   | Example values              | Description                                                                                                                                                                                                                                                                             |
|-------------------------|--------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |        |                             | <ul style="list-style-type: none"> <li>livestream: acceleration of live streaming media</li> <li>httpsdelivery: HTTPS security acceleration</li> </ul>                                                                                                                                  |
| <b>LDomainStatus</b>    | String | online                      | CDN domain name status. Value: <ul style="list-style-type: none"> <li>online: activating</li> <li>offline: deactivating</li> <li>configuring: configuring</li> <li>configure_failed: configuration failed</li> <li>checking: checking</li> <li>check_failed: checking failed</li> </ul> |
| <b>LGmtCreated</b>      | String | 2015-10-28T09:31:59Z        | The creation time of CDN domain name.                                                                                                                                                                                                                                                   |
| <b>LGmtModified</b>     | String | 2015-10-28T11:05:50Z        | The modification time of CDN domain name.                                                                                                                                                                                                                                               |
| <b>LDescription</b>     | String | Audit Failed                | The reason of checking failure.                                                                                                                                                                                                                                                         |
| <b>LResourceGroupId</b> | String | abcd1234abcd1234            | The resource group ID.                                                                                                                                                                                                                                                                  |
| <b>LSourceType</b>      | String | oss                         | The source site type.                                                                                                                                                                                                                                                                   |
| <b>LSslProtocol</b>     | String | on                          | Switch.                                                                                                                                                                                                                                                                                 |
| <b>LSandbox</b>         | String | N/A                         | Sandbox.                                                                                                                                                                                                                                                                                |
| <b>LSources</b>         | String | { "Source": [ "a.b.com" ] } | Source site information.                                                                                                                                                                                                                                                                |

## Examples

### Request example

```
https://cdn.aliyuncs.com?&Action=DescribeUserDomains&PageNumber=1&
PageSize=5&DomainSearchType=fuzzy_match&Public request parameter
```

### Normal return example

- JSON format

```
"Domains":{
  "PageData":[

    "CdnType":"download",
    "Description":"audit failed",
    "DomainName":"image.ddd.cdnpe.com",
    "DomainStatus":"configure_failed",
    "GmtCreated":"2015-10-28T09:32:51Z",
    "GmtModified":"2015-10-28T11:05:52Z",
    "ResourceGroupId":"abcd1234abcd1234"

    "CdnType":"web",
    "DomainName":"aadda.cdnpe.com",
    "DomainStatus":"configure_failed",
    "GmtCreated":"2015-10-28T09:31:59Z",
    "GmtModified":"2015-10-28T11:05:50Z",
    "ResourceGroupId":"abcd1234abcd1234"

    "CdnType":"video",
    "Cname":"onlytest.cdnpe.com.w.alikunlun.net",
    "DomainName":"onlytest.cdnpe.com",
    "DomainStatus":"online",
    "GmtCreated":"2015-10-23T09:30:00Z",
    "Gmtmodified": "2015-10-27t06: 34z ",
    "ResourceGroupId":"abcd1234abcd1234"

    "CdnType":"video",
    "Cname":"test11.cdnpe.com.w.kunlunAr.com",
    "DomainName":"test11.cdnpe.com",
    "DomainStatus":"online",
    "GmtCreated":"2015-10-23T09:23:20Z",
    "Gmtmodified": "2015-10-23t09: 29z ",
    "ResourceGroupId":"abcd1234abcd1234"

    "CdnType":"video",
    "Cname":"test.aliyun.com.w.alikunlun.com",
    "DomainName":"test.aliyun.com",
    "DomainStatus":"online",
    "GmtCreated":"2015-10-23T09:01:57Z",
    "GmtModified":"2015-10-23T09:02:11Z",
    "ResourceGroupId":"abcd1234abcd1234"
```

```
"PageNumber":1,
"PageSize":5,
"RequestId":"AA75AADB-5E25-4970-B480-EAA1F5658483",
"TotalCount":16
```

#### Exception return example

- JSON format

```
"Code":"InternalError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId": "maid"
```

## 9.3 DescribeCdnDomainDetail

Obtain the basic information for the specified CDN domain name configuration.

#### Request parameters

| Parameters        | Type   | Required | Example values          | Description                                                |
|-------------------|--------|----------|-------------------------|------------------------------------------------------------|
| <b>Action</b>     | String | Yes      | DescribeCdnDomainDetail | The name of this interface. Value: DescribeCdnDomainDetail |
| <b>DomainName</b> | String | Yes      | www.yourdomain.com      | Domain name.                                               |

#### Return Parameters

| Parameters                  | Type   | Example values                       | Description                      |
|-----------------------------|--------|--------------------------------------|----------------------------------|
| <b>RequestId</b>            | String | 15C66C7B-671A-4297-9187-2C4477247A74 | Requestid.                       |
| <b>GetDomainDetailModel</b> |        |                                      | Domain name details.             |
| <b>LGmtCreated</b>          | String | 2015-06-25T03:30:50Z                 | Creation time.                   |
| <b>LGmtModified</b>         | String | 2017-06-25T03:30:50Z                 | Recent modification time.        |
| <b>L SourceType</b>         | String | domain                               | Source site type. Value meaning: |

| Parameters           | Type    | Example values         | Description                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|---------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      |         |                        | <ul style="list-style-type: none"> <li>ipaddr indicates IP source site.</li> <li>domain indicates domain name source site.</li> <li>oss indicates the specified OSS Bucket is the source site.</li> </ul>                                                                                                                                                         |
| <b>LDomainStatus</b> | String  | online                 | The domain name status.                                                                                                                                                                                                                                                                                                                                           |
| <b>LSourcePort</b>   | Integer | 80                     | The source port number.                                                                                                                                                                                                                                                                                                                                           |
| <b>LCdnType</b>      | String  | web                    | <p>The business type of CDN domain name.<br/>Value meaning:</p> <ul style="list-style-type: none"> <li>web: the acceleration of images and small files.</li> <li>download: acceleration of large file downloads.</li> <li>video: the acceleration of the audio and video on demand.</li> <li>liveStream: the acceleration of the live streaming media.</li> </ul> |
| <b>LCname</b>        | String  | domain.w.alikunlun.net | The CNAME domain name generated for the CDN domain name. It is required to resolve the CNAME of the CDN domain name to this domain name at the DNS provider.                                                                                                                                                                                                      |

| Parameters                      | Type   | Example values                                                                            | Description                                                                                                                                                                                   |
|---------------------------------|--------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LHttpsCname</b>              | String | yourdomain.com.<br>alikulun.com                                                           | Activate the CNAME domain name of the https.                                                                                                                                                  |
| <b>Doubledomainname</b>         | String | yourdomain.com                                                                            | Domain name.                                                                                                                                                                                  |
| <b>LDescription</b>             | String | The live domain name.                                                                     | Note.                                                                                                                                                                                         |
| <b>LServerCertificateStatus</b> | String | on                                                                                        | Whether the ssl certificate is activated. <ul style="list-style-type: none"> <li>on indicates the certificate is activated.</li> <li>off indicates the certificate is deactivated.</li> </ul> |
| <b>LServerCertificate</b>       | String | -----BEGIN<br>CERTIFICATE<br>-----\nMlxxxxxxx<br>xx8LDVT2o=\n-----<br>END Certificate --- | If activated, this is the certificate public key.                                                                                                                                             |
| <b>LRegion</b>                  | String | cn-hangzhou                                                                               | The unit information of the live domain name.                                                                                                                                                 |
| <b>LScope</b>                   | String | domestic                                                                                  | Region.                                                                                                                                                                                       |
| <b>LCertificateName</b>         | String | Certificate 1                                                                             | The name of the certificate.                                                                                                                                                                  |
| <b>LResourceGroupId</b>         | String | abcd1234abcd1234                                                                          | The resource group ID.                                                                                                                                                                        |
| <b>LSourceModels</b>            |        |                                                                                           | The source site information.                                                                                                                                                                  |
| <b>LContent</b>                 | String | test.com                                                                                  | Source site address.                                                                                                                                                                          |
| <b>LType</b>                    | String | domain                                                                                    | The source site type. Value: <ul style="list-style-type: none"> <li>ipaddr: IP source site.</li> <li>domain: the domain name source site.</li> </ul>                                          |

| Parameters | Type    | Example values           | Description                                                                         |
|------------|---------|--------------------------|-------------------------------------------------------------------------------------|
|            |         |                          | <ul style="list-style-type: none"><li>oss: OSS Bucket is the source site.</li></ul> |
| LPort      | Integer | 80                       | Port that supports 443 and 80.                                                      |
| LEnabled   | String  | online                   | Status.                                                                             |
| LPriority  | String  | 20                       | Priority.                                                                           |
| LSources   | String  | Source site information. | { "Source": [ "yourdomain.com" ] }                                                  |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeCdnDomainDetail&Public request parameter
```

### Normal return example

- JSON format

```
"GetDomainDetailModel":{
  "CdnType":"web",
  "Cname":"bb.test.com.w.kunlunle.com",
  "DomainName":"bb.test.com",
  "DomainStatus":"online",
  "GmtCreated":"2015-06-25T03:30:50Z",
  "GmtModified":"2015-06-25T03:30:53Z",
  "HttpsCname":"bb-test-com.alikunlun.com",
  "Region":"huadong",
  "ResourceGroupId":"abcd1234abcd1234",
  "Sourcemodels ":{
    "SourceModel":[{
      "Content":"test.com",
      "Enabled":"online",
      "Port":80,
      "Priority":"20",
      "Type":"domain"

      "Sourcetype": "Domain ",
      "Sources":{
        "Source":["test.com"]

      "Requestid": "maid"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 9.4 ModifyCdnDomain

Modify CDN domains. Currently, source site can be modified.

Restrictions:

- Before creating CDN domain name, CDN service must be activated.
- CDN domain name must complete the registration process.

### Request parameters

| Name            | Type    | Required | Example            | Description                                                                                                    |
|-----------------|---------|----------|--------------------|----------------------------------------------------------------------------------------------------------------|
| Action          | String  | Yes      | ModifyCdnDomain    | The name of this interface. Value: ModifyCdnDomain                                                             |
| DomainName      | String  | Yes      | www.yourdomain.com | The domain name that have access to CDN.                                                                       |
| Priorities      | String  | No       | 20                 | Priorities, which correspond to source sites. Multiple source sites are separated by comma. Default value: 20. |
| ResourceGroupID | String  | No       | abcdabcd           | The resource group ID.                                                                                         |
| SourcePort      | Integer | No       | 80                 | The source site port.                                                                                          |
| SourceType      | String  | No       | domain             | The source site type. Value:                                                                                   |

| Name    | Type   | Required | Example        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------|--------|----------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |        |          |                | <ul style="list-style-type: none"> <li>ipaddr: IP source site.</li> <li>domain: domain name source site.</li> <li>oss: OSS Bucket is the source site ( inner common : public source ).</li> </ul> <div>  <b>Note:</b><br/>           If you select the business type of live streaming media acceleration, the source site and information are not required.         </div> |
| Sources | String | No       | Yourdomain.com | Source address, which can be IP or domain name. <ul style="list-style-type: none"> <li>IP or domain name supports up to 20 addresses , which are separated by comma.</li> <li>IP and domain name cannot be both entered.</li> <li>If the business type is live streaming media acceleration , the source</li> </ul>                                                                                                                                            |

| Name                  | Type   | Required | Example             | Description                                                                                                                                                                   |
|-----------------------|--------|----------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       |        |          |                     | address is not required to enter. If the business type is other type, source address is required (inner user, the type is common source, and type enum value can be entered). |
| <b>TopLevelDomain</b> | String | No       | your.top.domain.com | Top-level domain, only users in the whitelist CDN_TOP_LEVEL_DOMAIN_GREY_USER_LIST can configure effectively.                                                                  |

### Return parameters

| Parameters       | Type   | Example values                       | Description |
|------------------|--------|--------------------------------------|-------------|
| <b>RequestId</b> | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

### Examples

#### Request example

```
http://cdn.aliyuncs.com?Action=ModifyCdnDomain&SourceType=domain&DomainName=test.com&Sources=test.com&Public request parameter
```

#### Normal return example

- JSON format

```
"RequestId": "maid"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 9.5 StartCdnDomain

Enables an accelerated domain name with a status of "disabled" and changes the DomainStatus to online.



### Note:

If the account corresponding to the domain name is in arrears or the domain name is illegal, you cannot call this interface to enable the CDN domain name in the normal way.

### Request Parameters

| Parameters | Type   | Required | Example values     | Description                                       |
|------------|--------|----------|--------------------|---------------------------------------------------|
| Action     | String | Yes      | StartCdnDomain     | The name of this interface. Value: StartCdnDomain |
| DomainName | String | Yes      | www.yourdomain.com | The name of this interface.                       |

### Return Parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

## Example

### Request example

```
http://cdn.aliyuncs.com?Action=StartCdnDomain&DomainName=test.com&Public request parameter
```

### Normal return example

- JSON format

```
"RequestId": "0AEDAF20-4DDF-4165-8750-47FF9C1929C9"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 9.6 StopCdnDomain

Deactivate a CDN domain, changing the "DomainStatus" to "offline".



### Note:

- After a CDN domain is deactivated, its information is still retained and the system will automatically perform back-to-source processing for requests to the CDN domain.
- We recommend that you use the StopCdnDomain interface to suspend acceleration for the domain name if, for the moment, you do not require acceleration for a certain domain name.

### Request parameters

| Parameters | Type   | Required | Example values | Description                                      |
|------------|--------|----------|----------------|--------------------------------------------------|
| Action     | String | Yes      | StopCdnDomain  | The name of this interface. Value: StopCdnDomain |

| Parameters | Type   | Required | Example values     | Description                                        |
|------------|--------|----------|--------------------|----------------------------------------------------|
| DomainName | String | Yes      | www.yourdomain.com | The domain name, which requests access to the CDN. |

#### Return Parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

#### Examples

##### Request example

```
http://cdn.aliyuncs.com?Action=StopDomain&DomainName=test.com&Public  
request parameter
```

##### Normal return example

- JSON format

```
"RequestId": "324AEFFF-308C-4DA7-8CD3-01B277B98F28"
```

##### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error .",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 9.7 DeleteCdnDomain

Delete an added CDN domain name.



**Note:**

- Be careful when performing this operation (we recommend that you restore the domain name A record at the DNS provider before deleting the domain name) to ensure the domain name can still be accessed after deletion.
- After DeleteCdnDomain is called successfully, all the records associated with the CDN domain name will be deleted. If you only wish to suspend use of the CDN domain name temporarily, we recommend that you use the StopCdnDomain interface.

### Request parameters

| Name            | Type   | Required | Example values       | Description                                        |
|-----------------|--------|----------|----------------------|----------------------------------------------------|
| Action          | String | Yes      | DeleteCdnDomain      | The name of this interface. Value: DeleteCdnDomain |
| DomainName      | String | Yes      | www.yourdomain.com   | The CDN domain name to be deleted.                 |
| ResourceGroupId | String | No       | your resourceGroupId | The resource group ID.                             |

### Return Parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request. |

### Examples

#### Request example

```
http://cdn.aliyuncs.com?Action=DeleteDomain&DomainName=test.com&Publicrequest parameter
```

#### Normal return example

- JSON format

```
"RequestId": "94E3559F-7B6A-4A5E-AFFD-44E2A208A249"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 9.8 DescribeDomainsBySource

Query the list of all domain names corresponding to the source sites under a user account name.

Fuzzy match is not supported. The API allows you to query multiple source sites, which are separated by commas (,).

### Request parameters

| Parameters     | Type   | Required | Example values          | Description                                                |
|----------------|--------|----------|-------------------------|------------------------------------------------------------|
| <b>Action</b>  | String | Yes      | DescribeDomainsBySource | The name of this interface. Value: DescribeDomainsBySource |
| <b>Sources</b> | String | Yes      | aaa.source.com          | Source site. Multiple source sites are separated by comma. |

### Return Parameters

| Parameters         | Type   | Example values                       | Description                                                                                                          |
|--------------------|--------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>RequestId</b>   | String | B0F074E5-A1AC-4B32-8EA2-6F450410D1E0 | The ID of the request.                                                                                               |
| <b>Sources</b>     | String | aaa.source.com,b.source.com          | A source site, which is requested.                                                                                   |
| <b>DomainsList</b> |        |                                      | Returns the list of domain names corresponding to source sites, in the format of an array consisting of DomainsData. |

| Parameters          | Type   | Example values                                                                              | Description                                                                                                       |
|---------------------|--------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>LSource</b>      | String | b.source.com                                                                                | A source site, which is requested.                                                                                |
| <b>LDomains</b>     | String | b1.com                                                                                      | Returns the list of domain name corresponding to a domain name, in the ormat of a list consisting of domainNames. |
| <b>LDomainInfos</b> |        |                                                                                             | Returns the domain detailed informatio n, in th format of a list consisting of domainInfo.                        |
| <b>LDomainName</b>  | String | Returns the domain detailed informatio n, in the format of a list consisting of domainInfo. | Domain name.                                                                                                      |
| <b>LStatus</b>      | String | online                                                                                      | The status of the domain name.                                                                                    |
| <b>LCreateTime</b>  | String | 2016-07-12T11:53:19+08:00                                                                   | Creation time                                                                                                     |
| <b>LUpdateTime</b>  | String | 2017-03-31T04:49:00+08:00                                                                   | The update time.                                                                                                  |
| <b>LDomainCname</b> | String | b1.com.w.alikunlun.com                                                                      | CNAME.                                                                                                            |

## Examples

### Request example

```
https://cdn.aliyuncs.com?&Action=DescribeDomainsBySource&Sources=aaa.source.com,b.source.com&Public request example
```

### Normal return example

- JSON format

```
"Domainslist ":{
```

```
"DomainsData": [
  {
    "DomainInfos": {
      "domainInfo": [
        {
          "CreateTime": "2016-07-12T11:53:19+08:00",
          "DomainCname": "a1.w.kunlunar.com",
          "DomainName": "a1.com",
          "Status": "Pending",
          "UpdateTime": "2017-03-31T04:49:00+08:00"
        }
      ]
    },
    "Domains": {
      "domainNames": ["a1.com"]
    },
    "Source": "aaa.source.com"
  },
  {
    "DomainInfos": {
      "domainInfo": [
        {
          "CreateTime": "2017-01-13T18:01:00+08:00",
          "DomainCname": "b1.com.w.alikunlun.com",
          "DomainName": "b1.com",
          "Status": "online",
          "UpdateTime": "2017-01-17T21:16:16+08:00"
        }
      ]
    },
    "Domains": {
      "domainNames": ["b1.com"]
    },
    "Source": "b.source.com"
  }
],
"RequestId": "B0F074E5-A1AC-4B32-8EA2-6F450410D1E0",
"Sources": "aaa.source.com, b.source.com"
```

### Exception return example

- JSON format

```
{
  "Code": "InternalError",
  "HostId": "cdn.aliyuncs.com",
  "Message": "The request processing has failed due to some unknown error.",
  "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

## 10 Tool interface

### 10.1 DescribelInfo

Verifies whether the specified IP address is the IP address of an Alibaba Cloud CDN node.

#### Request parameters

| Parameter | Type   | Required | Description                                                                      |
|-----------|--------|----------|----------------------------------------------------------------------------------|
| Action    | String | Yes      | Operation interface name, which is a required parameter.<br>Value: DescribelInfo |
| IP        | String | Yes.     | Specified IP address<br>. Batch IP addresses are not supported.                  |

#### Return parameters

| Parameters | Type   | Description                                                                                                       |
|------------|--------|-------------------------------------------------------------------------------------------------------------------|
| RequestId  | String | Request ID                                                                                                        |
| CdnIp      | String | Whether the specified IP address belongs to an Alibaba Cloud CDN node; optional values: True (Yes) and False (No) |
| ISP        | String | Carrier                                                                                                           |
| Region     | String | Region                                                                                                            |

#### Special error code

| Error code      | Description                                 | HTTP Status Codes | Meaning                               |
|-----------------|---------------------------------------------|-------------------|---------------------------------------|
| Throttling      | Request was denied due to request throwing. | 503               | Request restricted by traffic control |
| OperationDenied | Your account does not open CDN service yet. | 403               | CDN service not activated             |

| Error code                  | Description                                           | HTTP Status Codes | Meaning                      |
|-----------------------------|-------------------------------------------------------|-------------------|------------------------------|
| OperationDenied             | Your CDN service is suspended.                        | 403               | CDN service stopped          |
| MissingParameter            | The specified value of parameter IP is not valid.     | 400               | IP address parameter missing |
| InvalidIP.ValueNotSupported | The specified value of parameter IP is not supported. | 400               | Incorrect IP address format  |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeIpInfo&IP=1.2.3.4  
&Public request parameter
```

### Return example

- JSON format

```
"Region": "China-Guizhou province-Guiyang city",  
"RequestId": "123847FA-9A00-4426-83B8-B4B45D475930",  
"ISP": "Telecom",  
"CdnIp": "True"
```

- XML format

```
China-Guizhou province-Guiyang city  
AA880DA3-570B-4407-AC5D-D28E0D28A290  
Telecom  
True
```

# 11 RAM Resource Authorization

---

## 12 Resource Monitoring Interface

### 12.1 DescribeDomainFlowData

Obtain the network traffic metric data of a CDN domain. The unit is bytes.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported. Multiple domain names are separated by commas ( half width).
- Data from the past 90 days can be obtained at most.

#### Request parameters

| Parameters | Type   | Required | Example values         | Description                                                                                                                                                                                                                                                                                                            |
|------------|--------|----------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainFlowData | The name of this interface. Value : DescribeDomainFlowData                                                                                                                                                                                                                                                             |
| DomainName | String | No       | www.yourdomain.com     | <ul style="list-style-type: none"><li>• If the parameter is left blank, the system returns the combined data of all CDN domains by default.</li><li>• You can enter CDN domains to be queried.</li><li>• Batch domain name query is supported . Multiple domain names are separated by commas ( half width).</li></ul> |
| DomainType | String | No       | dynamic                | Query type.                                                                                                                                                                                                                                                                                                            |

|            |        |    |                         |                                                                                                                                                                                                                                                                                                        |
|------------|--------|----|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |        |    |                         | <ul style="list-style-type: none"> <li>If the parameter is set to "dynamic", the system queries the real-time traffic of dynamic and static resources during full-site acceleration.</li> <li>If the parameter is left blank, the system queries the real-time traffic of static resources.</li> </ul> |
| EndTime    | String | No | 2017-12-22T08:00:00:00Z | <ul style="list-style-type: none"> <li>The end time must be later than the start time.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul>                                                                                          |
| FixTimeGap | String | No | false                   | Whether zero-padding is performed.                                                                                                                                                                                                                                                                     |
| Interval   | String | No | 300                     | <ul style="list-style-type: none"> <li>Time granularity of data query.</li> <li>300s, 3600s, 14400s,</li> </ul>                                                                                                                                                                                        |

|                |        |    |                         |                                                                                                                                                                                                       |
|----------------|--------|----|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |        |    |                         | <p>28800s and 86400s are supported.</p> <ul style="list-style-type: none"> <li>When the parameter is left blank or when the value is not supported, the default value 300 seconds is used.</li> </ul> |
| IspNameEn      | String | No | unicom                  | Carrier name in English, which is obtained using the DescribeCdnRegionAndIsp interface. If the parameter is left blank, the English names of all carriers are obtained.                               |
| LocationNameEn | String | No | beijing                 | Region name in English, which is obtained using the DescribeCdnRegionAndIsp interface. If the parameter is left blank, the English names of all regions are obtained.                                 |
| StartTime      | String | No | 2017-12-21T08:00:00:00Z | <p>Start time of data query.</p> <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> </ul>                                                     |

|           |        |    |    |                                                                                                                                                                                                                                                                           |
|-----------|--------|----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |    | <ul style="list-style-type: none"> <li>• Format: YYYY-MM-DDThh:mmZ.</li> <li>• Minimum data granularity: 5 minutes.</li> <li>• If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul>                                               |
| TimeMerge | String | No | on | <p>Value range:</p> <ul style="list-style-type: none"> <li>• on: default value, indicating that the interval of each record can be merged based on the time span.</li> <li>• off: data of 5-min-granularity is returned, and the maximum time span is 31 days.</li> </ul> |

### Return parameters

| Parameters   | Type   | Example values    | Description                                   |
|--------------|--------|-------------------|-----------------------------------------------|
| DomainName   | String | test.com          | Your CDN domain name information.             |
| DataInterval | String | 300               | Interval of each record. The unit is seconds. |
| StartTime    | String | 2015-12-10T20:00Z | Start time.                                   |
| EndTime      | String | 2015-12-10T21:00Z | End time.                                     |

|                       |        |                         |                                                                                                                         |
|-----------------------|--------|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| FlowDataPerInterval   |        |                         | Traffic data during each time interval.                                                                                 |
| LTimeStamp            | String | 2017-12-22T08:00:00:00Z | Start time of a time slice.                                                                                             |
| LValue                | String | 423304182               | Total traffic.                                                                                                          |
| LDomesticValue        | String | 0                       | Traffic in China.                                                                                                       |
| LOverseasValue        | String | 0                       | Traffic outside China.                                                                                                  |
| LDynamicValue         | String | 0                       | Dynamic traffic during full-site acceleration . The value is blank when it is queried by regional carrier.              |
| LDynamicDomesticValue | String | 0                       | Dynamic traffic in China during full-site acceleration. The value is blank when it is queried by regional carrier.      |
| LDynamicOverseasValue | String | 0                       | Dynamic traffic outside China during full-site acceleration. The value is blank when it is queried by regional carrier. |
| LStaticValue          | String | 0                       | Static traffic during full-site acceleration. The value is blank when it is queried by regional carrier.                |
| LStaticDomesticValue  | String | 0                       | Static traffic in China during full-site acceleration. The value is blank when it is queried by regional carrier.       |
| LStaticOverseasValue  | String | 0                       | Static traffic outside China during full-site acceleration. The value is blank when it                                  |

|           |        |                                      |                                 |
|-----------|--------|--------------------------------------|---------------------------------|
|           |        |                                      | is queried by regional carrier. |
| RequestId | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request.          |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainFlowData&DomainName=test.com
&StartTime=2015-12-10T20:00Z
&EndTime=2015-12-10T21:00Z
&public request parameter
```

### Normal return example

- JSON format

```
{
  "DataInterval": "300",
  "DomainName": "test.com",
  "EndTime": "2015-12-10T21:00Z",
  "FlowDataPerInterval": {
    "DataModule": [
      {
        "DynamicDomesticValue": "0",
        "DynamicOverseasValue": "0",
        "DynamicValue": "0",
        "StaticDomesticValue": "0",
        "StaticOverseasValue": "0",
        "StaticValue": "0",
        "TimeStamp": "2015-12-10T20:00:00Z",
        "Value": "423304182"
      },
      {
        "DynamicDomesticValue": "0",
        "DynamicOverseasValue": "0",
        "DynamicValue": "0",
        "StaticDomesticValue": "0",
        "StaticOverseasValue": "0",
        "StaticValue": "0",
        "TimeStamp": "2015-12-10T20:05:00Z",
        "Value": "454680793"
      },
      {
        "DynamicDomesticValue": "0",
        "DynamicOverseasValue": "0",
        "DynamicValue": "0",
        "StaticDomesticValue": "0",
        "StaticOverseasValue": "0",
        "StaticValue": "0",
        "TimeStamp": "2015-12-10T20:10:00Z",
        "Value": "501718342"
      }
    ]
  }
}
```

```

"DynamicDomesticValue":"0",
"DynamicOverseasValue":"0",
"DynamicValue":"0",
"StaticDomesticValue":"0",
"StaticOverseasValue":"0",
"StaticValue":"0",
"TimeStamp":"2015-12-10T20:15:00Z",
"Value":"434816025"

"RequestId":"B955107D-E658-4E77-B913-E0AC3D31693E",
"StartTime":"2015-12-10T20:00Z"

```

### Exception return example

- JSON format

```

"Code":"InternalError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"

```

## 12.2 DescribeDomainSrcBpsData

Obtain the back-to-source bandwidth metric data of CDN domains. The unit is bit/second.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported (at most 200 domain names one time). Multiple domain names are separated by commas (half width).
- Data from the past 90 days can be obtained at most.

### Request parameters

| Name       | Type   | Required | Example values           | Description                                                                                                       |
|------------|--------|----------|--------------------------|-------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainSrcBpsData | The name of this interface. Value : DescribeDomainSrcBpsData                                                      |
| DomainName | String | No       | www.yourdomain.com       | <ul style="list-style-type: none"> <li>If the parameter is left blank, the system returns the combined</li> </ul> |

|            |        |    |                   |                                                                                                                                                                                                                                                    |
|------------|--------|----|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |        |    |                   | <p>data of all CDN domains by default.</p> <ul style="list-style-type: none"> <li>You can enter CDN domains to be queried.</li> <li>Batch domain name query is supported . Multiple domain names are separated by commas ( half width).</li> </ul> |
| EndTime    | String | No | 2017-12-12T20:00Z | <ul style="list-style-type: none"> <li>The end time must be later than the start time.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul>                                      |
| FixTimeGap | String | No | false             | Zero-padding is performed during download.                                                                                                                                                                                                         |
| Interval   | String | No | 300               | Time interval.                                                                                                                                                                                                                                     |
| StartTime  | String | No | 2017-12-10T20:00Z | <ul style="list-style-type: none"> <li>Start time of data query.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> </ul>                                                                                                |

|           |        |    |            |                                                                                                                                                                                                                                                                |
|-----------|--------|----|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |            | <ul style="list-style-type: none"> <li>Format: YYYY-MM-DDThh:mmZ.</li> <li>Minimum data granularity: 5 minutes.</li> <li>If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul>                                          |
| TimeMerge | String | No | on         | Value range: <ul style="list-style-type: none"> <li>on: default value, indicating that the interval of each record can be merged based on the time span.</li> <li>off: data of 5-min-granularity is returned, and the maximum time span is 31 days.</li> </ul> |
| Version   | String | No | 2014-11-11 | API version.                                                                                                                                                                                                                                                   |

### Return parameters

| Parameters | Type   | Example values                       | Description                       |
|------------|--------|--------------------------------------|-----------------------------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request.            |
| DomainName | String | yourdomain.com                       | Your CDN domain name information. |
| StartTime  | String | 2017-12-10T20:00Z                    | Start time.                       |

|                       |        |                      |                                                     |
|-----------------------|--------|----------------------|-----------------------------------------------------|
| EndTime               | String | 2017-12-12T20:00Z    | End Time.                                           |
| DataInterval          | String | 300                  | Interval of each record . The unit is seconds.      |
| SrcBpsDataPerInterval |        |                      | Back-to-source bandwidth data during each interval. |
| LTimeStamp            | String | 2017-12-10T20:45:00Z | Start time of a time slice.                         |
| LValue                | String | 500                  | Detailed usage data.                                |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainSrcBpsData&DomainName=test.com
&StartTime=2017-12-10T20:00Z
&EndTime=2017-12-10T21:00Z
&public request parameters
```

### Normal return example

- JSON format

```
"DataInterval": "300",
"DomainName": "test.com",
"EndTime": "2017-12-10T21:00Z",
"RequestId": "7CBCD6AD-B016-42E5-AE0B-B3731DE8F755",
"SrcBpsDataPerInterval": {
  "DataModule": [
    {
      "TimeStamp": "2015-12-10T21:00:00Z",
      "Value": "0"
    },
    {
      "TimeStamp": "2015-12-10T20:35:00Z",
      "Value": "0"
    },
    {
      "TimeStamp": "2015-12-10T20:50:00Z",
      "Value": "821"
    },
    {
      "TimeStamp": "2015-12-10T20:05:00Z",
      "Value": "0"
    },
    {
      "TimeStamp": "2015-12-10T20:10:00Z",
      "Value": "0"
    }
  ]
}
```

```

"TimeStamp": "2015-12-10T20:55:00Z",
"Value": "0"

"TimeStamp": "Fig: 30: 00Z ",
"Value": "0"

"TimeStamp": "2015-12-10T20:25:00Z",
"Value": "0"

"TimeStamp": "2015-12-10T20:00:00Z",
"Value": "0"

"TimeStamp": "2015-12-10T20:40:00Z",
"Value": "0"

"TimeStamp": "Maid: 15: 00Z ",
"Value": "0"

"TimeStamp": "2015-12-10T20:45:00Z",
"Value": "0"

"TimeStamp": "2015-12-10T20:20:00Z",
"Value": "0"

"StartTime": "2017-12-10T20:00Z"

```

### Exception return example

- JSON format

```

"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error .",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"

```

## 12.3 DescribeDomainSrcFlowData

Obtain the back-to-source traffic metric data on a CDN domain in bits.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported. Multiple domain names are separated by commas ( half width).

- Data from the past 90 days can be obtained at most.

**Request parameters**

| Name       | Type   | Required | Example values                | Description                                                                                                                                                                                                                                                                                                            |
|------------|--------|----------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDo<br>mainSrcFlowData | The name of this interface. Value : DescribeDo<br>mainSrcFlowData                                                                                                                                                                                                                                                      |
| DomainName | String | No       | www.yourdomain<br>.com        | <ul style="list-style-type: none"><li>• If the parameter is left blank, the system returns the combined data of all CDN domains by default.</li><li>• You can enter CDN domains to be queried.</li><li>• Batch domain name query is supported . Multiple domain names are separated by commas ( half width).</li></ul> |
| EndTime    | String | No       | 2017-12-22T08:<br>00:00:00Z   | <ul style="list-style-type: none"><li>• The end time must be later than the start time.</li><li>• The date format adopts ISO8601 notation and uses the UTC time.</li><li>• Format: YYYY-MM-DDThh:mmZ.</li></ul>                                                                                                        |

|            |        |    |                         |                                                                                                                                                                                                                                                                                                                                  |
|------------|--------|----|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FixTimeGap | String | No | false                   | Whether zero-padding is performed.                                                                                                                                                                                                                                                                                               |
| Interval   | String | No | 300                     | The time interval.                                                                                                                                                                                                                                                                                                               |
| StartTime  | String | No | 2017-12-21T08:00:00:00Z | <ul style="list-style-type: none"> <li>Start time of data query.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> <li>Minimum data granularity: 5 minutes.</li> <li>If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul> |
| TimeMerge  | String | No | true                    | Whether the time is merged.                                                                                                                                                                                                                                                                                                      |
| Version    | String | No | 2014-11-11              | API version.                                                                                                                                                                                                                                                                                                                     |

### Return parameters

| Parameters   | Type   | Example values    | Description                                    |
|--------------|--------|-------------------|------------------------------------------------|
| DomainName   | String | test.com          | CDN domain name information.                   |
| DataInterval | String | 300               | Interval of each record . The unit is seconds. |
| StartTime    | String | 2015-12-10T20:00Z | Start time.                                    |
| EndTime      | String | 2015-12-10T21:00Z | End time.                                      |

|                        |        |                                      |                                                   |
|------------------------|--------|--------------------------------------|---------------------------------------------------|
| SrcFlowDataPerInterval |        |                                      | Back-to-source traffic data during each interval. |
| LTimeStamp             | String | 2017-12-22T08:00:00:00Z              | Start time of a time slice.                       |
| LValue                 | String | 0                                    | Detailed usage data.                              |
| RequestId              | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request.                            |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainSrcFlowData&DomainName=test.com
&StartTime=2015-12-10T20:00Z
&EndTime=2015-12-10T21:00Z
&public request parameter
```

### Normal return example

- JSON format

```
"DataInterval": "300",
"DomainName": "test.com",
"EndTime": "2015-12-10T21:00Z",
"RequestId": "A666D44F-19D6-490E-97CF-1A64AB962C57",
"SrcFlowDataPerInterval": {
  "DataModule": [
    {
      "TimeStamp": "2015-12-10T21:00:00Z",
      "Value": "0"
    },
    {
      "TimeStamp": "2015-12-10T20:35:00Z",
      "Value": "0"
    },
    {
      "TimeStamp": "2015-12-10T20:50:00Z",
      "Value": "33886"
    },
    {
      "TimeStamp": "2015-12-10T20:05:00Z",
      "Value": "0"
    },
    {
      "TimeStamp": "2015-12-10T20:10:00Z",
      "Value": "0"
    },
    {
      "TimeStamp": "2015-12-10T20:55:00Z",
```

```

    "Value": "0"

    "TimeStamp": "2015-12-10T20:30:00Z",
    "Value": "0"

    "TimeStamp": "2015-12-10T20:25:00Z",
    "Value": "0"

    "TimeStamp": "2015-12-10T20:00:00Z",
    "Value": "0"

    "TimeStamp": "2015-12-10T20:40:00Z",
    "Value": "0"

    "TimeStamp": "2015-12-10T20:15:00Z",
    "Value": "0"

    "TimeStamp": "2015-12-10T20:45:00Z",
    "Value": "0"

    "TimeStamp": "2015-12-10T20:20:00Z",
    "Value": "0"

    "StartTime": "2015-12-10T20:00Z"

```

#### Exception return example

- JSON format

```

    "Code": "InternalServerError",
    "HostId": "cdn.aliyuncs.com",
    "Message": "The request processing has failed due to some unknown error.",
    "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"

```

## 12.4 DescribeDomainHitRateData

Obtain the bytes hit rate (percentage of hit bytes) of CDN domains.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported. Multiple domain names are separated by commas ( half width).
- Data from the past 90 days can be obtained at most.

**Request parameters**

| Parameters | Type   | Required | Example values                | Description                                                                                                                                                                                                     |
|------------|--------|----------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDo<br>mainHitRateData | The name of this interface. Value : DescribeDo<br>mainHitRateData                                                                                                                                               |
| DomainName | String | No       | www.yourdomain<br>.com        | CDN domain to be queried. This parameter can be set to support only one domain name. If this parameter is left blank, the system queries all domain names.                                                      |
| EndTime    | String | No       | 2017-12-22T08:<br>00:00:00Z   | <ul style="list-style-type: none"><li>• The end time must be later than the start time.</li><li>• The date format adopts ISO8601 notation and uses the UTC time.</li><li>• Format: YYYY-MM-DDThh:mmZ.</li></ul> |
| Interval   | String | No       | 300                           | <ul style="list-style-type: none"><li>• Time granularity of data query .</li><li>• 300s, 3600s , 14400s, 28800s and 86400s are supported.</li><li>• When the parameter is left blank</li></ul>                  |

|           |        |    |                         |                                                                                                                                                                                                                                                                                                                                  |
|-----------|--------|----|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |                         | or when the value is not supported, the default value 300 seconds is used.                                                                                                                                                                                                                                                       |
| StartTime | String | No | 2017-12-21T08:00:00:00Z | <ul style="list-style-type: none"> <li>Start time of data query.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> <li>Minimum data granularity: 5 minutes.</li> <li>If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul> |
| TimeMerge | String | No | on                      | <p>Value range:</p> <ul style="list-style-type: none"> <li>on: default value, indicating that the interval of each record can be merged based on the time span.</li> <li>off: data of 5-min-granularity is returned, and the maximum time</li> </ul>                                                                             |

|  |  |  |  |                  |
|--|--|--|--|------------------|
|  |  |  |  | span is 31 days. |
|--|--|--|--|------------------|

### Return parameters

| Parameters      | Type   | Example values                       | Description                                    |
|-----------------|--------|--------------------------------------|------------------------------------------------|
| DomainName      | String | test.com                             | CDN domain name information.                   |
| DataInterval    | String | 300                                  | Interval of each record . The unit is seconds. |
| StartTime       | String | 2015-12-10T20:00Z                    | Start time.                                    |
| Endtime         | String | 2015-12-10T21:00Z                    | End time.                                      |
| HitRateInterval |        |                                      | Bytes hit rate during each interval.           |
| LTimeStamp      | String | 2017-12-22T08:00:00:00Z              | Start time of a time slice.                    |
| LValue          | String | 100.0                                | Detailed usage data.                           |
| RequestId       | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request.                         |

### Examples

#### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainHitRateData&DomainName=test.com
&StartTime=2015-12-10T20:00Z
&EndTime=2015-12-10T21:00Z
&public request parameter
```

#### Normal return example

- JSON format

```
"DataInterval": "300",
"DomainName": "test.com",
"EndTime": "2015-12-10T21:00Z",
"HitRateInterval": {
  "DataModule": [
    {
      "TimeStamp": "2015-12-10T21:00:00Z",
      "Value": "100.0"
    }
  ]
}
```

```
"TimeStamp": "2015-12-10T20:35:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:50:00Z",  
"Value": "99.99932881437826"  
  
"TimeStamp": "2015-12-10T20:05:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:10:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:55:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:30:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:25:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:00:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:40:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:15:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:45:00Z",  
"Value": "100.0"  
  
"TimeStamp": "2015-12-10T20:20:00Z",  
"Value": "100.0"  
  
"RequestId": "5ADA5190-EE5B-4EF2-BE00-DC441B8D81DD",  
"StartTime": "2015-12-10T20:00Z"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",
```

```
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.5 DescribeDomainReqHitRateData

Obtains the request hit rate (percentage of hit requests) of CDN domains.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported. Multiple domain names are separated by commas (half width).
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values               | Description                                                                                                                                                                   |
|------------|--------|----------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainReqHitRateData | The name of this interface. Value : DescribeDomainReqHitRateData                                                                                                              |
| DomainName | String | No       | www.yourdomain.com           | CDN domain to be queried. This parameter can be set to support only one domain name. If this parameter is left blank, the system queries all domain names.                    |
| EndTime    | String | No       | 2017-12-22T08:00:00Z         | <ul style="list-style-type: none"> <li>• The end time must be later than the start time.</li> <li>• The date format adopts ISO8601 notation and uses the UTC time.</li> </ul> |

|           |        |    |                         |                                                                                                                                                                                                                                                                                                                                 |
|-----------|--------|----|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |                         | <ul style="list-style-type: none"> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul>                                                                                                                                                                                                                                                    |
| Interval  | String | No | 300                     | <ul style="list-style-type: none"> <li>Time granularity of data query.</li> <li>300s, 3600s, 14400s, 28800s and 86400s are supported.</li> <li>When the parameter is left blank or when the value is not supported, the default value 300 seconds is used.</li> </ul>                                                           |
| StartTime | String | No | 2017-12-21T08:00:00:00Z | <ul style="list-style-type: none"> <li>Start time of data query.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ</li> <li>Minimum data granularity: 5 minutes.</li> <li>If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul> |

## Return parameters

| Parameters         | Type   | Example values                       | Description                                    |
|--------------------|--------|--------------------------------------|------------------------------------------------|
| DomainName         | String | test.com                             | CDN domain name information.                   |
| DataInterval       | String | 300                                  | Interval of each record . The unit is seconds. |
| StartTime          | String | 2015-12-10T20:00Z                    | Start time.                                    |
| EndTime            | String | 2015-12-10T21:00Z                    | End time.                                      |
| ReqHitRateInterval |        |                                      | Bytes hit rate during each interval.           |
| LTimeStamp         | String | 2017-12-22T08:00:00:00Z              | Start time of a time slice                     |
| LValue             | String | 100.0                                | Detailed usage data.                           |
| RequestId          | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID.                                    |

## Example

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainReqHitRateData&DomainName=test.com
&StartTime=2015-12-10T20:00Z
&EndTime=2015-12-10T21:00Z
&public request parameter
```

### Normal return example

- JSON format

```
{
  "DataInterval": "300",
  "DomainName": "test.com",
  "EndTime": "2015-12-10T21:00Z",
  "ReqHitRateInterval": {
    "DataModule": [
      {
        "TimeStamp": "2015-12-10T21:00:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:35:00Z",
        "Value": "100.0"
      }
    ]
  }
}
```

```

        "TimeStamp": "2015-12-10T20:50:00Z",
        "Value": "99.99932881437826"
      },
      {
        "TimeStamp": "2015-12-10T20:05:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:10:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:55:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:30:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:25:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:00:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:40:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:15:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:45:00Z",
        "Value": "100.0"
      },
      {
        "TimeStamp": "2015-12-10T20:20:00Z",
        "Value": "100.0"
      }
    ]
  },
  "RequestId": "5ADA5190-EE5B-4EF2-BE00-DC441B8D81DD",
  "StartTime": "2015-12-10T20:00Z"
}

```

### Exception return example

- JSON format

```

{
  "Code": "InternalServerError",
  "HostId": "cdn.aliyuncs.com",
  "Message": "The request processing has failed due to some unknown error.",
  "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}

```

```
}
```

## 12.6 DescribeDomainQpsData

Obtain the times of access to a CDN domain per second. The value is expressed in QPS.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported. Multiple domain names are separated by commas ( half width).
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values        | Description                                                                                                                                                                                                                                                                                                            |
|------------|--------|----------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainQpsData | The name of this interface. Value : DescribeDomainQpsData                                                                                                                                                                                                                                                              |
| DomainName | String | No       | test.test.com         | <ul style="list-style-type: none"><li>• If the parameter is left blank, the system returns the combined data of all CDN domains by default.</li><li>• You can enter CDN domains to be queried.</li><li>• Batch domain name query is supported . Multiple domain names are separated by commas ( half width).</li></ul> |
| DomainType | String | No       | dynamic               | Query type.                                                                                                                                                                                                                                                                                                            |

|            |        |    |                   |                                                                                                                                                                                                                                                                 |
|------------|--------|----|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |        |    |                   | <ul style="list-style-type: none"> <li>If the parameter is set to "dynamic", the system queries the QPS of dynamic resources during full-site acceleration.</li> <li>If the parameter is left blank, the system queries the QPS of static resources.</li> </ul> |
| EndTime    | String | No | 2015-12-10T21:00Z | <ul style="list-style-type: none"> <li>The end time must be later than the start time.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul>                                                   |
| FixTimeGap | String | No | false             | Zero-padding.                                                                                                                                                                                                                                                   |
| Interval   | String | No | 300               | <p>Time granularity of data query.</p> <ul style="list-style-type: none"> <li>300s, 3600s, 14400s, 28800s and 86400s are supported.</li> <li>When the parameter</li> </ul>                                                                                      |

|                |        |    |                   |                                                                                                                                                                                |
|----------------|--------|----|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |        |    |                   | is left blank or when the value is not supported, the default value 300 seconds is used.                                                                                       |
| IspNameEn      | String | No | unicom            | Carrier name in English, which is obtained using the DescribeCdnRegionAndIsp interface. If the parameter is left blank, the English names of all carriers are obtained.        |
| LocationNameEn | String | No | beijing           | Region name in English, which is obtained using the DescribeCdnRegionAndIsp interface. If the parameter is left blank, the English names of all regions are obtained.          |
| StartTime      | String | No | 2015-12-10T20:00Z | Start time of data query. <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul> |

|           |        |    |    |                                                                                                                                                                                                                                                                      |
|-----------|--------|----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |    | <ul style="list-style-type: none"> <li>Minimum data granularity: 5 minutes.</li> </ul>                                                                                                                                                                               |
| TimeMerge | String | No | on | <p>Time range:</p> <ul style="list-style-type: none"> <li>on: default value, indicating that the interval of each record can be merged based on the time span.</li> <li>off: data of 5-min-granularity is returned, and the maximum time span is 31 days.</li> </ul> |

### Return parameters

| Parameters | Type   | Example values                       | Description                                                                                                                                                                                                                                                                                   |
|------------|--------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RequestId  | String | B8333EDB-4595-46E0-AFE9-29BAA290D0E0 | The ID of the request.                                                                                                                                                                                                                                                                        |
| DomainName | String | test.test.com                        | <ul style="list-style-type: none"> <li>If the parameter is left blank, the system returns the combined data of all CDN domains by default.</li> <li>You can enter CDN domains to be queried.</li> <li>Batch domain name query is supported. Multiple domain names are separated by</li> </ul> |

|                                   |        |                      |                                                                                                                               |
|-----------------------------------|--------|----------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                                   |        |                      | commas (half width ).                                                                                                         |
| DataInterval                      | String | 300                  | Interval of each record . The unit is seconds.                                                                                |
| StartTime                         | String | 2015-12-10T20:00Z    | Start time.                                                                                                                   |
| EndTime                           | String | 2015-12-10T21:00Z    | End time.                                                                                                                     |
| QpsDataInterval                   |        |                      | Times of access ( expressed in QPS) to a CDN domain per second during each interval.                                          |
| <sup>L</sup> TimeStamp            | String | 2015-12-10T21:00:00Z | Start time of a time slice.                                                                                                   |
| <sup>L</sup> Value                | String | 0                    | Total QPS.                                                                                                                    |
| <sup>L</sup> DomesticValue        | String | 0                    | QPS in China.                                                                                                                 |
| <sup>L</sup> OverseasValue        | String | 0                    | QPS outside China.                                                                                                            |
| <sup>L</sup> AccValue             | String | 0                    | Total times of access.                                                                                                        |
| <sup>L</sup> AccDomesticValue     | String | 0                    | Times of access in China.                                                                                                     |
| <sup>L</sup> AccOverseasValue     | String | 0                    | Times of access outside China.                                                                                                |
| <sup>L</sup> DynamicValue         | String | 0                    | Dynamic QPS data value during full-site acceleration.                                                                         |
| <sup>L</sup> DynamicDomesticValue | String | 0                    | Bandwidth dynamic QPS in China during full-site acceleration . The value is blank when it is queried by regional carrier.     |
| <sup>L</sup> DynamicOverseasValue | String | 0                    | Bandwidth dynamic QPS during full-site acceleration outside China. The value is blank when it is queried by regional carrier. |

|                      |        |   |                                                                                                                              |
|----------------------|--------|---|------------------------------------------------------------------------------------------------------------------------------|
| LStaticValue         | String | 0 | Static QPS data value during full-site acceleration. Unit: bit/second.                                                       |
| LStaticDomesticValue | String | 0 | Bandwidth static QPS in China during full-site acceleration. The value is blank when it is queried by regional carrier.      |
| LStaticOverseasValue | String | 0 | Bandwidth static QPS during full-site acceleration outside China. The value is blank when it is queried by regional carrier. |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainQpsData&DomainName=test.com
&StartTime=2015-12-10T20:00Z
&EndTime=2015-12-10T21:00Z
&public request parameter
```

### Normal return example

- JSON format

```
"DataInterval": "300",
"DomainName": "test.com",
"EndTime": "2015-12-10T21:00Z",
"QpsDataInterval": {
  "DataModule": [
    "DynamicDomesticValue": "0",
    "DynamicOverseasValue": "0",
    "DynamicValue": "0",
    "StaticDomesticValue": "0",
    "StaticOverseasValue": "0",
    "StaticValue": "0",
    "TimeStamp": "2015-12-10T21:00:00Z",
    "Value": "0.56"
  ],
  "DynamicDomesticValue": "0",
```

```

"DynamicOverseasValue": "0",
"DynamicValue": "0",
"StaticDomesticValue": "0",
"StaticOverseasValue": "0",
"StaticValue": "0",
"TimeStamp": "2015-12-10T20:35:00Z",
"Value": "0.64"

"DynamicDomesticValue": "0",
"DynamicOverseasValue": "0",
"DynamicValue": "0",
"StaticDomesticValue": "0",
"StaticOverseasValue": "0",
"StaticValue": "0",
"TimeStamp": "2015-12-10T20:50:00Z",
"Value": "0.4"

"DynamicDomesticValue": "0",
"DynamicOverseasValue": "0",
"DynamicValue": "0",
"StaticDomesticValue": "0",
"StaticOverseasValue": "0",
"StaticValue": "0",
"TimeStamp": "2015-12-10T20:05:00Z",
"Value": "1.0033333333333334"

"RequestId": "BEA5625F-8FCF-48F4-851B-CA63946DA664",
"StartTime": "2015-12-10T20:00Z"

```

### Exception return example

- JSON format

```

"Code": "InternalError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"

```

## 12.7 DescribeDomainHttpCodeData

Obtain the HTTP return code proportion of CDN domains. The minimum granularity is 5 minutes.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported. Multiple domain names are separated by commas (half width).
- Data from the past 90 days can be obtained at most.

**Request parameters**

| Parameters | Type   | Required | Example values             | Description                                                                                                                                                                                                   |
|------------|--------|----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainHttpCodeData | The name of this interface. Value : DescribeDomainHttpCodeData                                                                                                                                                |
| DomainName | String | No       | test.test.com              | CDN domain name to be queried.<br>Batch query is supported.<br>Multiple domain names are separated by commas (half width).                                                                                    |
| EndTime    | String | No       | 2015-11-30T05:40Z          | <ul style="list-style-type: none"> <li>The end time must be later than the start time.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul> |
| Interval   | String | No       | 300                        | Time granularity of data query. <ul style="list-style-type: none"> <li>300s, 3600s, 14400s, 28800s and 86400s are supported.</li> <li>When the parameter is left blank</li> </ul>                             |

|                |        |    |                   |                                                                                                                                                                                |
|----------------|--------|----|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |        |    |                   | or when the value is not supported, the default value 300 seconds is used.                                                                                                     |
| IspNameEn      | String | No | unicom            | Carrier name in English, which is obtained using the DescribeCdnRegionAndIsp interface. If the parameter is left blank, the English names of all carriers are obtained.        |
| LocationNameEn | String | No | beijing           | Region name in English, which is obtained using the DescribeCdnRegionAndIsp interface. If the parameter is left blank, the English names of all regions are obtained.          |
| StartTime      | String | No | 2015-11-30T05:33Z | Start time of data query. <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul> |

|           |        |    |    |                                                                                                                                                                                                                                                                |
|-----------|--------|----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |    | <ul style="list-style-type: none"> <li>Minimum data granularity: 5 minutes.</li> </ul>                                                                                                                                                                         |
| TimeMerge | String | No | on | Value range: <ul style="list-style-type: none"> <li>on: default value, indicating that the interval of each record can be merged based on the time span.</li> <li>off: data of 5-min-granularity is returned, and the maximum time span is 31 days.</li> </ul> |

### Return parameters

| Parameters        | Type   | Example values                       | Description            |
|-------------------|--------|--------------------------------------|------------------------|
| RequestId         | String | BC858082-736F-4A25-867B-E5B67C85ACF7 | The ID of the request. |
| DomainName        | String | test.test.com                        | Domain name.           |
| DataInterval      | String | 300                                  | Time interval.         |
| StartTime         | String | 2015-11-30T05:33Z                    | Start time.            |
| EndTime           | String | 2015-11-30T05:40Z                    | End time.              |
| HttpCodeData      |        |                                      | Data.                  |
| LTimeStamp        | String | 2015-11-30T05:30:00Z                 | Timestamp.             |
| LValue            |        |                                      | value.                 |
| HTTP return code. | String | 200                                  | HTTP return code.      |
| LProportion       | String | 66.046511627907                      | Proportion data.       |
| LCount            | String | 300                                  | The total number.      |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainHttpCodeData&DomainName="
test.com,abc.com"
&StartTime=2015-11-30T05:33Z
&EndTime=2015-11-30T05:40Z
&public request parameter
```

### Normal return example

- JSON format

```
"DataInterval": "300",
"DomainName": "test.com,abc.com",
"Endtime": "Maid: 40z ",
"HttpCodeData": {
  "UsageData": [
    {
      "TimeStamp": "2015-11-30T05:40:00Z",
      "Value": {
        "CodeProportionData": [
          {
            "Code": "200",
            "Proportion": "66.046511627907"
          },
          {
            "Code": "206",
            "Proportion": "4.72868217054264"
          },
          {
            "Code": "302",
            "Proportion": "0.155038759689922"
          },
          {
            "Code": "304",
            "Proportion": "0.62015503875969"
          },
          {
            "Code": "500",
            "Proportion": "28.4496124031008"
          }
        ]
      }
    },
    {
      "TimeStamp": "2015-11-30T05:35:00Z",
      "Value": {
        "CodeProportionData": [
          {
            "Code": "200",
            "Proportion": "64.7822765469824"
          },
          {
            "Code": "206",
            "Proportion": "3.74331550802139"
          }
        ]
      }
    }
  ]
}
```

```
"Code": "302",
"Proportion": "0.152788388082506"

"Code": "304",
"Proportion": "1.90985485103132"

"Code": "500",
"Proportion": "29.4117647058824"

"TimeStamp": "2015-11-30T05:30:00Z",
"Value": {
  "CodeProportionData": [
    "Code": "200",
    "Proportion": "67.1458998935037"

    "Code": "206",
    "Proportion": "12.6730564430245"

    "Code": "302",
    "Proportion": "0.053248136315229"

    "Code": "304",
    "Proportion": "0.958466453674121"

    "Code": "500",
    "Proportion": "19.1693290734824"

    "RequestId": "BC858082-736F-4A25-867B-E5B67C85ACF7",
    "StartTime": "2015-11-30T05:33Z"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.8 DescribeDomainsUsageByDay

Obtain the per-day monitoring statistics on a CDN domain.

- When StartTime and EndTime are not specified, the interface reads data from the past 7 days by default. Query by specified start time and end time is supported. The two parameters must be both specified.
- The system supports query of only one domain name or all domain names belonging to the current user.
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values            | Description                                                                                                                                                               |
|------------|--------|----------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainsUsageByDay | The name of this interface. Value : DescribeDomainsUsageByDay                                                                                                             |
| DomainName | String | No       | www.yourdomain.com        | CDN domain name to be queried. This parameter supports only one domain name. If this parameter is left blank, all domain names belonging to the current user are queried. |
| EndTime    | String | No       | 2017-12-22T08:00:00Z      | <ul style="list-style-type: none"><li>• The end time must be later than the start time.</li><li>• Beijing Time is adopted.</li><li>• Format: YYYY-MM-DD.</li></ul>        |

|           |        |    |                         |                                                                                                                                            |
|-----------|--------|----|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| StartTime | String | No | 2017-12-21T08:00:00:00Z | <ul style="list-style-type: none"> <li>Start time of data query.</li> <li>Beijing Time is adopted.</li> <li>Format: YYYY-MM-DD.</li> </ul> |
|-----------|--------|----|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

**Return parameters**

| Parameters      | Type   | Example values                       | Description                                                    |
|-----------------|--------|--------------------------------------|----------------------------------------------------------------|
| RequestId       | String | C88EF8ED-72F0-45EA-9E86-95114E224FC5 | The ID of the request.                                         |
| DomainName      | String | test.com                             | CDN domain name information.                                   |
| DataInterval    | String | 86400                                | Interval of each record. The value is invariably set to 1 day. |
| StartTime       | String | 2015-12-01                           | Start time.                                                    |
| EndTime         | String | 2015-12-02                           | End time.                                                      |
| UsageByDays     |        |                                      | Statistics during each interval.                               |
| └TimeStamp      | String | 2017-12-22T08:00:00:00Z              | Start time of a time slice.                                    |
| └BytesHitRate   | String | 97.46250599529726                    | Hit rate.                                                      |
| └Qps            | String | 7.466354166666667                    | Access volume per second.                                      |
| └RequestHitRate | String | 70.24770071912111                    | Request hit rate.                                              |
| └MaxBps         | String | 1.050307709E8                        | Peak bandwidth.                                                |
| └MaxBpsTime     | String | 2015-12-01                           | Time of peak bandwidth.                                        |
| └MaxSrcBps      | String | 2015-12-01 22: 30                    | Back-to-source peak bandwidth.                                 |
| └TotalAccess    | String | 645093                               | Total access volume.                                           |

|                 |        |                      |                                        |
|-----------------|--------|----------------------|----------------------------------------|
| └MaxSrcBpsTime  | String | 2015-12-01 22:30     | Time of back-to-source peak bandwidth. |
| └TotalTraffic   | String | 564300099309         | Total traffic.                         |
| UsageTotal      |        |                      | Summarized data.                       |
| └BytesHitRate   | String | 97.03110726801242    | Hit rate.                              |
| └RequestHitRate | String | 69.92610837438424    | Request hit rate.                      |
| └MaxBps         | String | 1.0747912780000001E8 | Peak bandwidth.                        |
| └MaxBpsTime     | String | 2015-12-02 23:55     | Time of peak bandwidth.                |
| └MaxSrcBps      | String | 2015-12-02 17:20     | Back-to-source peak bandwidth.         |
| └TotalAccess    | String | 1319500              | Total access volume.                   |
| └MaxSrcBpsTime  | String | 2015-12-02 17:20     | Time of back-to-source peak bandwidth. |
| └TotalTraffic   | String | 1117711832100        | Total traffic.                         |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainsUsageByDay&DomainName=test.com
&StartTime=2015-11-29
&EndTime=2015-11-30
&public request parameter
```

### Normal return example

### Exception return example

- JSON format

```
{
  "Code": "InternalError",
  "HostId": "cdn.aliyuncs.com",
  "Message": "The request processing has failed due to some unknown error."
}
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.9 DescribeTopDomainsByFlow

Obtain the domain names that are ranked by traffic.

- When StartTime and EndTime are not specified, the interface reads data from the past month by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values               | Description                                                                                                                                                                                               |
|------------|--------|----------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeTo<br>pDomainsByFlow | The name of this interface. Value : DescribeTo<br>pDomainsByFlow                                                                                                                                          |
| EndTime    | String | No       | 2017-12-22T08:<br>00:00:00Z  | <ul style="list-style-type: none"><li>The end time must be later than the start time.</li><li>The date format adopts ISO8601 notation and uses the UTC time.</li><li>Format: YYYY-MM-DDThh:mmZ.</li></ul> |
| Limit      | Long   | No       | 20                           | Limit on the number of obtained domain names.<br>Value range: 1~100<br>Default value: 20                                                                                                                  |
| StartTime  | String | No       | 2017-12-21T08:<br>00:00:00Z  | <ul style="list-style-type: none"><li>Start time of data query.</li><li>The date format adopts</li></ul>                                                                                                  |

|  |  |  |  |                                                                                                                                                                                                                                                                                       |
|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  | <p>ISO8601 notation and uses the UTC time.</p> <ul style="list-style-type: none"> <li>• Format: YYYY-MM-DDThh:mmZ.</li> <li>• Minimum data granularity: 5 minutes.</li> <li>• If this parameter is left blank, the interface reads data from the current month by default.</li> </ul> |
|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Return parameters

| Parameters               | Type   | Example values                       | Description                                     |
|--------------------------|--------|--------------------------------------|-------------------------------------------------|
| RequestId                | String | 4E09C5D7-E1CF-4CAA-A45E-8727F4C8FD70 | The ID of the request.                          |
| StartTime                | String | 2016-03-01T04:00Z                    | Start time.                                     |
| EndTime                  | String | 2016-03-14T07:34Z                    | End time.                                       |
| TopDomains               |        |                                      | List of ranked domain names.                    |
| $\text{LDomainName}$     | String | test.test.com                        | Domain name.                                    |
| $\text{LRank}$           | Long   | 1                                    | Ranking.                                        |
| $\text{LTotalTraffic}$   | String | 2043859876683.9001                   | Total flow.                                     |
| $\text{LTrafficPercent}$ | String | 30.64191989360235                    | Traffic proportion.                             |
| $\text{LMaxBps}$         | Long   | 22139626                             | Peak bandwidth.                                 |
| $\text{LMaxBpsTime}$     | String | 1457111400                           | Peak bandwidth time.                            |
| $\text{LTotalAccess}$    | Long   | 107784230                            | Times of access.                                |
| DomainCount              | Long   | 68.                                  | Total number of domain names under the account. |

|                   |      |     |                                                         |
|-------------------|------|-----|---------------------------------------------------------|
| DomainOnlineCount | Long | 68. | Total number of running domain names under the account. |
|-------------------|------|-----|---------------------------------------------------------|

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeTopDomainsByFlow
&StartTime=2015-11-29
&EndTime=2015-11-30
&Limit=5
&public request parameter
```

### Normal return example

- JSON format

```
{
  "DomainCount": 68,
  "DomainOnlineCount": 68,
  "EndTime": "2016-03-14T07:34Z",
  "RequestId": "4E09C5D7-E1CF-4CAA-A45E-8727F4C8FD70",
  "StartTime": "2016-03-01T04:00Z",
  "TopDomains": {
    "TopDomain": [
      {
        "DomainName": "cedexis.j0zz.com",
        "MaxBps": 22139626,
        "MaxBpsTime": 1457111400,
        "Rank": 1,
        "TotalAccess": 107784230,
        "TotalTraffic": 2043859876683.9001,
        "TrafficPercent": 30.64191989360235
      },
      {
        "DomainName": "wj.cdnpe.com",
        "MaxBps": 1008772351,
        "MaxBpsTime": 1457505600,
        "Rank": 2,
        "TotalAccess": 3843128,
        "TotalTraffic": 1729970466149.2002,
        "TrafficPercent": 25.936032624725815
      },
      {
        "DomainName": "imgtest.cdnpe.com",
        "MaxBps": 16046911,
        "MaxBpsTime": 1456897200,
        "Rank": 3,
        "TotalAccess": 547567,
        "TotalTraffic": 1446507574551.6,
        "TrafficPercent": 21.686305274906182
      },
      {
        "DomainName": "downtest.cdnpe.com",
        "MaxBps": 15990893,
        "MaxBpsTime": 1457567700,

```

```
"Rank":4,
"TotalAccess":548380,
"TotalTraffic":1418144519687.5,
"TrafficPercent":21.261081185428147

"DomainName":"ali.ddimg.cn",
"MaxBps":473599,
"MaxBpsTime":1457845800,
"Rank":5,
"TotalAccess":152150,
"TotalTraffic":28739937242.500004,
"TrafficPercent":0.4308743788055894
```

### Exception return example

- JSON format

```
"Code":"InternalError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.10 DescribeDomainPvData

Obtain the PV page access statistics. The minimum granularity is 1 hour.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- The system supports query of only one domain name or all domain names belonging to the current user.
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values       | Description                                              |
|------------|--------|----------|----------------------|----------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainPvData | The name of this interface. Value : DescribeDomainPvData |
| DomainName | String | No       | test.test.com        | CDN domain name to be queried. This parameter can        |

|           |        |    |            |                                                                                                                                                                                                                                                                                                                   |
|-----------|--------|----|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |            | be set to support only one domain name. If this parameter is left blank, all domain names belonging to the current user are queried.                                                                                                                                                                              |
| EndTime   | String | No | 2015-11-29 | <ul style="list-style-type: none"> <li>The end time must be later than the start time.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul>                                                                                                     |
| StartTime | String | No | 2015-11-28 | <ul style="list-style-type: none"> <li>Start time of data query.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> <li>The minimum data granularity is 1 hour.</li> <li>If this parameter is left blank, data from the past 24 hours is</li> </ul> |

|  |  |  |  |                 |
|--|--|--|--|-----------------|
|  |  |  |  | read by default |
|--|--|--|--|-----------------|

### Return parameters

| Parameters     | Type   | Example values                       | Description                                                                                 |
|----------------|--------|--------------------------------------|---------------------------------------------------------------------------------------------|
| RequestId      | String | BCD7D917-76F1-442F-BB75-C810DE34C761 | The ID of the request.                                                                      |
| DomainName     | String | test.test.com                        | CDN domain name.                                                                            |
| DataInterval   | String | 3600                                 | Time interval.                                                                              |
| StartTime      | String | 2015-11-28                           | Start time of data query.<br>The date format adopts ISO8601 notation and uses the UTC time. |
| EndTime        | String | 2015-11-29                           | End time of data query                                                                      |
| PvDataInterval |        |                                      | Data.                                                                                       |
| LTimeStamp     | String | 2015-11-28T03:00:00Z                 | Time stamp.                                                                                 |
| LValue         | String | 9292                                 | Value.                                                                                      |

### Examples

#### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainPvData&DomainName=test.com
&StartTime=2015-11-28
&EndTime=2015-11-29
&public request parameter
```

#### Normal return example

- JSON format

```
"DataInterval": "3600",
"DomainName": "test.com",
"EndTime": "2015-11-29",
"PvDataInterval": {
  "UsageData": [
```

```
"TimeStamp": "2015-11-28T03:00:00Z",  
"Value": "9292"
```

```
"TimeStamp": "2015-11-28T23:00:00Z",  
"Value": "9239"
```

```
"TimeStamp": "2015-11-28T07:00:00Z",  
"Value": "9464"
```

```
"TimeStamp": "2015-11-28T12:00:00Z",  
"Value": "9379"
```

```
"TimeStamp": "2015-11-28T22:00:00Z",  
"Value": "9243"
```

```
"TimeStamp": "2015-11-28T10:00:00Z",  
"Value": "10063"
```

```
"TimeStamp": "2015-11-28T15:00:00Z",  
"Value": "9068"
```

```
"TimeStamp": "2015-11-28T14:00:00Z",  
"Value": "9353"
```

```
"TimeStamp": "2015-11-28T04:00:00Z",  
"Value": "9513"
```

```
"TimeStamp": "2015-11-28T02:00:00Z",  
"Value": "9377"
```

```
"TimeStamp": "2015-11-28T08:00:00Z",  
"Value": "9579"
```

```
"TimeStamp": "2015-11-28T20:00:00Z",  
"Value": "9109"
```

```
"TimeStamp": "2015-11-28T09:00:00Z",  
"Value": "10631"
```

```
"TimeStamp": "2015-11-28T06:00:00Z",  
"Value": "9587"
```

```
"TimeStamp": "2015-11-28T01:00:00Z",  
"Value": "9108"
```

```
"TimeStamp": "2015-11-28T16:00:00Z",
```

```
"Value": "9454"

"TimeStamp": "2015-11-28T21:00:00Z",
"Value": "9285"

"TimeStamp": "2015-11-28T19:00:00Z",
"Value": "9059"

"TimeStamp": "2015-11-28T00:00:00Z",
"Value": "9470"

"TimeStamp": "2015-11-28T05:00:00Z",
"Value": "11830"

"TimeStamp": "2015-11-28T13:00:00Z",
"Value": "9992"

"TimeStamp": "2015-11-28T17:00:00Z",
"Value": "9529"

"TimeStamp": "2015-11-28T18:00:00Z",
"Value": "9203"

"TimeStamp": "2015-11-28T11:00:00Z",
"Value": "9604"

"RequestId": "BCD7D917-76F1-442F-BB75-C810DE34C761",
"StartTime": "2015-11-28"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.11 DescribeDomainUvData

Obtain the independent UV page access statistics of a CDN domain. The minimum granularity is 1 hour.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- The system supports query of only one domain name or all domain names belonging to the current user.
- Data from the past 90 days can be obtained at most.

### Request parameters

| Name       | Type   | Required | Example values       | Description                                                                                                                                                                            |
|------------|--------|----------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainUvData | The name of this interface. Value : DescribeDomainUvData                                                                                                                               |
| DomainName | String | No       | test.test.com        | CDN domain name to be queried. This parameter can be set to support only one domain name. If this parameter is left blank, all domain names belonging to the current user are queried. |
| EndTime    | String | No       | 2015-11-29           | <ul style="list-style-type: none"><li>• The end time must be later than the start time.</li><li>• The date format adopts ISO8601 notation and</li></ul>                                |

|           |        |    |            |                                                                                                                                                                                                                                                                                                                                 |
|-----------|--------|----|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |            | <p>uses the UTC time.</p> <ul style="list-style-type: none"> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul>                                                                                                                                                                                                                          |
| StartTime | String | No | 2015-11-29 | <p>Start time of data query.</p> <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ</li> <li>The minimum data granularity is 1 hour.</li> <li>If this parameter is left blank, data from the past 24 hours is read by default.</li> </ul> |

### Return parameters

| Parameters   | Type   | Example values                       | Description                    |
|--------------|--------|--------------------------------------|--------------------------------|
| RequestId    | String | E9D3257A-1B7C-414C-90C1-8D07AC47BCAC | The ID of the request.         |
| DomainName   | String | ttest.test.com                       | CDN domain name to be queried. |
| DataInterval | String | 3600                                 | Time interval.                 |
| StartTime    | String | 2015-11-30                           | Start time of data query.      |
| EndTime      | String | 2015-11-30                           | End time of data query.        |

|                |        |                      |             |
|----------------|--------|----------------------|-------------|
| UvDataInterval |        |                      | Data.       |
| LTimeStamp     | String | 2015-11-29T20:00:00Z | Time stamp. |
| LValue         | String | 318                  | UV.         |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainUvData&DomainName=test.com
&StartTime=2015-11-29
&EndTime=2015-11-30
&public request parameter
```

### Normal return example

- JSON format

```
"DataInterval": "3600",
"DomainName": "test.com",
"EndTime": "2015-11-30",
"RequestId": "E9D3257A-1B7C-414C-90C1-8D07AC47BCAC",
"StartTime": "2015-11-29",
"UvDataInterval": {
  "UsageData": [
    {
      "TimeStamp": "2015-11-29T20:00:00Z",
      "Value": "318"
    },
    {
      "TimeStamp": "2015-11-29T18:00:00Z",
      "Value": "318"
    },
    {
      "TimeStamp": "2015-11-29T03:00:00Z",
      "Value": "329"
    },
    {
      "TimeStamp": "2015-11-29T21:00:00Z",
      "Value": "316"
    },
    {
      "TimeStamp": "2015-11-29T07:00:00Z",
      "Value": "319"
    },
    {
      "TimeStamp": "2015-11-29T00:00:00Z",
      "Value": "326"
    },
    {
      "TimeStamp": "2015-11-29T11:00:00Z",
      "Value": "321"
    }
  ]
}
```

```
"TimeStamp": "2015-11-29T10:00:00Z",  
"Value": "313"
```

```
"TimeStamp": "2015-11-29T08:00:00Z",  
"Value": "331"
```

```
"TimeStamp": "2015-11-29T01:00:00Z",  
"Value": "324"
```

```
"TimeStamp": "2015-11-29T04:00:00Z",  
"Value": "330"
```

```
"TimeStamp": "2015-11-29T14:00:00Z",  
"Value": "335"
```

```
"TimeStamp": "2015-11-29T12:00:00Z",  
"Value": "318"
```

```
"TimeStamp": "2015-11-29T23:00:00Z",  
"Value": "310"
```

```
"TimeStamp": "2015-11-29T17:00:00Z",  
"Value": "309"
```

```
"TimeStamp": "2015-11-29T22:00:00Z",  
"Value": "320"
```

```
"TimeStamp": "2015-11-29T16:00:00Z",  
"Value": "309"
```

```
"TimeStamp": "2015-11-29T02:00:00Z",  
"Value": "317"
```

```
"TimeStamp": "2015-11-29T06:00:00Z",  
"Value": "309"
```

```
"TimeStamp": "2015-11-29T19:00:00Z",  
"Value": "308"
```

```
"TimeStamp": "2015-11-29T13:00:00Z",  
"Value": "347"
```

```
"TimeStamp": "2015-11-29T15:00:00Z",  
"Value": "341"
```

```
"TimeStamp": "2015-11-29T05:00:00Z",  
"Value": "347"
```

```
"TimeStamp": "2015-11-29T09:00:00Z",  
"Value": "312"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.12 DescribeDomainRegionData

Obtain the regional user distribution of CDN domains with day granularity.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported. Multiple domain names are separated by commas ( half width).
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values               | Description                                                                                                                                            |
|------------|--------|----------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDo<br>mainRegionData | The name of this<br>interface. Value<br>: DescribeDo<br>mainRegionData                                                                                 |
| DomainName | String | No       | test.test.com                | CDN domain<br>name to be<br>queried. This<br>parameter can<br>be set to support<br>only one domain<br>name. If this<br>parameter is<br>left blank, the |

|           |        |    |            |                                                                                                                                                                                                                                   |
|-----------|--------|----|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |            | system queries all domain names.                                                                                                                                                                                                  |
| EndTime   | String | No | 2016-03-13 | <ul style="list-style-type: none"> <li>The end time must be later than the start time, and adopts Beijing time.</li> <li>Format: YYYY-MM-DD.</li> </ul>                                                                           |
| StartTime | String | No | 2016-03-13 | <p>Start time of data query, and Beijing time is adopted.</p> <ul style="list-style-type: none"> <li>Format is: YYYY-MM-DD.</li> <li>If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul> |

### Return parameters

| Parameters   | Type   | Example values                       | Description               |
|--------------|--------|--------------------------------------|---------------------------|
| RequestId    | String | 2E5AD83F-BD7B-462E-8319-2E30E305519A | The ID of the request.    |
| DomainName   | String | test.test.com                        | CDN domain name.          |
| DataInterval | String | 86400                                | Time interval.            |
| StartTime    | String | 2016-03-13                           | Start time of data query. |
| EndTime      | String | 2016-03-13                           | End time of data query.   |
| Value        |        |                                      | value.                    |
| LRegion      | String | Japan                                | Region information.       |

|                  |        |                           |                                                                                          |
|------------------|--------|---------------------------|------------------------------------------------------------------------------------------|
| LProportion      | String | 0.0115598027<br>1270037   | Access proportion data. If the return value is 90, the access proportion is 90%.         |
| LRegionEname     | String | japan                     | Region name in English.                                                                  |
| LAvgObjectSize   | String | 800019.0                  | Average response size<br>Unit: byte.                                                     |
| LAvgResponseTime | String | 5183.666666666667         | Average response time.<br>Unit: milliseconds.                                            |
| LBps             | String | 380.9614285714286         | Bandwidth.                                                                               |
| LByteHitRate     | String | 100.0                     | Bytes hit rate. If the return value is 90, the bytes hit rate is 90%.                    |
| LQps             | String | 5.9523809523<br>809524E-5 | Per-second query rate.                                                                   |
| LReqErrRate      | String | 0.0                       | Request error rate. If the return value is 90, the request error rate is 90%.            |
| LReqhitrate      | String | 100.0                     | Request hit rate. If the return value is 0.5, the request hit rate is 0.5 %.             |
| LAvgResponseRate | String | 154.3345765545624         | Average download speed.<br>Unit: byte/second.                                            |
| LTOTALBytes      | String | 2400057                   | Total traffic.                                                                           |
| LBytesProportion | String | 0.0035441810<br>46236794  | Total traffic proportion data. If the return value is 90, the traffic proportion is 90%. |
| LTOTALQuery      | String | 3                         | Total number of requests.                                                                |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainRegionData&DomainName=
test.com
&StartTime=2015-12-05
&EndTime=2015-12-07
&public request parameter
```

### Normal return example

- JSON format

```
"DataInterval": "86400",
"DomainName": "downtest.cdnpe.com",
"EndTime": "2016-03-14",
"RequestId": "2E5AD83F-BD7B-462E-8319-2E30E305519A",
"StartTime": "2016-03-13",
"Value": {
  "RegionProportionData": [
    {
      "AvgObjectSize": "800019.0",
      "AvgResponseRate": "154.3345765545624",
      "AvgResponseTime": "5183.666666666667",
      "Bps": "380.9614285714286",
      "ByteHitRate": "100.0",
      "BytesProportion": "0.003544181046236794",
      "Proportion": "0.01155980271270037",
      "Qps": "5.9523809523809524E-5",
      "Region": "Japan",
      "RegionEname": "",
      "ReqErrRate": "0.0",
      "ReqHitRate": "100.0",
      "TotalBytes": "2400057",
      "TotalQuery": "3"
    },
    {
      "AvgObjectSize": "1953033.5543209878",
      "AvgResponseRate": "1397.1430909315718",
      "AvgResponseTime": "1397.8765432098764",
      "Bps": "25110.431412698414",
      "ByteHitRate": "100.0",
      "BytesProportion": "0.23360872886644055",
      "Proportion": "0.31211467324291",
      "Qps": "0.0016071428571428571",
      "Region": "Tibet Autonomous Region",
      "RegionEname": "xizang",
      "ReqErrRate": "0.0",
      "ReqHitRate": "100.0",
      "TotalBytes": "158195717",
      "TotalQuery": "81"
    },
    {
      "AvgObjectSize": "2888253.7875",
      "AvgResponseRate": "787.8073097249128",
      "AvgResponseTime": "3666.193181818182",
      "Bps": "40343.86242857143",
```

```
"ByteHitRate": "100.0",
"BytesProportion": "0.37532921137846464",
"Proportion": "0.33908754623921084",
"Qps": "0.001746031746031746",
"Region": "The city of Chongqing",
"RegionEname": "zhongqing",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "254166333",
"TotalQuery": "88"
```

```
"AvgObjectSize": "2522291.608247423",
"AvgResponseRate": "1711.4277340197823",
"AvgResponseTime": "1473.7938144329896",
"Bps": "38835.2834920635",
"ByteHitRate": "100.0",
"BytesProportion": "0.3612945179094354",
"Proportion": "0.37376695437731194",
"Qps": "0.0019246031746031746",
"Region": "The city of Tianjin",
"RegionEname": "tianjin",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "244662286",
"TotalQuery": "97"
```

```
"AvgObjectSize": "2855944.0483660134",
"AvgResponseRate": "1210.9708048576356",
"AvgResponseTime": "2358.392156862745",
"Bps": "69358.64117460318",
"ByteHitRate": "99.99291705425965",
"BytesProportion": "0.6452610763393265",
"Proportion": "0.5895499383477188",
"Qps": "0.0030357142857142857",
"Region": "Qinghai province",
"RegionEname": "qinghai",
"ReqErrRate": "0.0",
"ReqHitRate": "99.34640522875817",
"TotalBytes": "436959439",
"TotalQuery": "153"
```

```
"AvgObjectSize": "2483988.2375000003",
"AvgResponseRate": "324.9427676080411",
"AvgResponseTime": "7644.386904761905",
"Bps": "66239.68633333335",
"ByteHitRate": "99.99999999999999",
"BytesProportion": "0.6162446463192347",
"Proportion": "0.6473489519112207",
"Qps": "0.0033333333333333335",
"Region": "Hainan province",
"RegionEname": "Hainan",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "417310023",
"TotalQuery": "168"
```

```
"Maid": "1945529.152238806 ",
"AvgResponseRate": "1319.43005273653",
```

```
"AvgResponseTime": "1474.5223880597016",  
"Bps": "62071.644380952384",  
"ByteHitRate": "99.99983347455928",  
"BytesProportion": "0.5774682921278322",  
"Proportion": "0.7745067817509248",  
"Qps": "0.0039880952380952385",  
"Region": "The city of Shanghai",  
"RegionEname": "shanghai",  
"Reqerrrate": "0.0",  
"ReqHitRate": "99.50248756218906",  
"TotalBytes": "391051359",  
"TotalQuery": "201"
```

```
"AvgObjectSize": "2273425.479253112",  
"AvgResponseRate": "1223.3552235839977",  
"AvgResponseTime": "1858.3526970954356",  
"Bps": "86967.54611111111",  
"ByteHitRate": "98.60251863101267",  
"BytesProportion": "0.8090811968039774",  
"Proportion": "0.9286374845869297",  
"Qps": "0.004781746031746032",  
"Region": "The city of Beijing",  
"RegionEname": "beijing",  
"ReqErrRate": "0.0",  
"ReqHitRate": "96.2655601659751",  
"TotalBytes": "547895540",  
"TotalQuery": "241"
```

```
"AvgObjectSize": "2813953.1475538164",  
"AvgResponseRate": "512.8134924297486",  
"AvgResponseTime": "5487.283757338552",  
"Bps": "228242.86641269844",  
"ByteHitRate": "100.0",  
"BytesProportion": "2.1234014270475434",  
"Proportion": "1.9690197287299631",  
"Qps": "0.010138888888888888",  
"Region": "Ningxia Hui Autonomous Region",  
"RegionEname": "ningxia",  
"ReqErrRate": "0.0",  
"ReqHitRate": "100.0",  
"TotalBytes": "1437930058",  
"TotalQuery": "511"
```

```
"AvgObjectSize": "2366583.779623288",  
"AvgResponseRate": "1152.4327405034373",  
"AvgResponseTime": "2053.554794520548",  
"Bps": "219378.55988888889",  
"ByteHitRate": "100.00000000000001",  
"BytesProportion": "2.040934529315853",  
"Proportion": "2.250308261405672",  
"Qps": "0.011587301587301587",  
"Region": "Gilin province",  
"RegionEname": "Jilin",  
"ReqErrRate": "0.0",  
"ReqHitRate": "100.0",  
"TotalBytes": "1382084927",  
"TotalQuery": "584"
```

```
"AvgObjectSize": "1897704.4197019867",
"AvgResponseRate": "476.60455862620415",
"AvgResponseTime": "3981.7168874172185",
"Bps": "181938.64595238096",
"ByteHitRate": "100.0",
"BytesProportion": "1.6926214892159708",
"Proportion": "2.3273736128236746",
"Qps": "0.011984126984126984",
"Region": "Gansu province",
"RegionEname": "Gansu",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "1146213469",
"TotalQuery": "604"
```

```
"AvgObjectSize": "2623223.5489683636",
"AvgResponseRate": "786.5196031941114",
"AvgResponseTime": "3335.2297111416783",
"Bps": "302711.6698571429",
"ByteHitRate": "99.99996931440107",
"BytesProportion": "2.816203642467227",
"Proportion": "2.8013255240443895",
"Qps": "0.014424603174603175",
"Region": "Xinjiang Uygur Autonomous Region",
"RegionEname": "xinjiang",
"ReqErrRate": "0.0",
"ReqHitRate": "99.8624484181568",
"TotalBytes": "1907083520",
"TotalQuery": "727"
```

```
"AvgObjectSize": "2816389.5711772665",
"AvgResponseRate": "537.274830290738",
"AvgResponseTime": "5241.9905277401895",
"Bps": "330366.9671587302",
"ByteHitRate": "99.99996955766207",
"BytesProportion": "3.0734879058423363",
"Proportion": "2.847564734895191",
"Qps": "0.014662698412698412",
"Region": "Inner Mongolia Autonomous Region",
"RegionEname": "neimenggu",
"ReqErrRate": "0.0",
"ReqHitRate": "99.86468200270636",
"TotalBytes": "2081311893",
"TotalQuery": "739"
```

```
"AvgObjectSize": "2519812.7500674766",
"AvgResponseRate": "784.3618585093111",
"AvgResponseTime": "3212.5641025641025",
"Bps": "296377.9758412699",
"ByteHitRate": "100.0",
"BytesProportion": "2.7572796764166547",
"Proportion": "2.8552712700369915",
"Qps": "0.014702380952380953",
"Region": "Guizhou province",
"RegionEname": "Guizhou",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "1867181247",
"TotalQuery": "741"
```

```
"AvgObjectSize":"2841349.462781955",
"AvgResponseRate":"936.6710791561273",
"AvgResponseTime":"3033.4548872180453",
"Bps":"359904.2652857143",
"ByteHitRate":"100.0",
"BytesProportion":"3.348280901477785",
"Proportion":"3.0749075215782984",
"Qps":"0.015833333333333335",
"Region":"Shaanxi province",
"RegionEname":"shanxixian",
"ReqErrRate":"0.0",
"ReqHitRate":"100.0",
"TotalBytes":"2267396871",
"TotalQuery":"798"
```

```
"AvgObjectSize":"2751993.832670808",
"AvgResponseRate":"1809.5402913913995",
"AvgResponseTime":"1520.824844720497",
BPS: 351643.65639682545 ",
"ByteHitRate":"99.8809108401154",
"BytesProportion":"3.2714303563604967",
"Proportion": 3.101880394574599 ",
"Qps":"0.015972222222222222",
"Region":"Jiangxi province",
"RegionEname":"Jiangxi",
"ReqErrRate":"0.0",
"ReqHitRate":"98.88198757763975",
"TotalBytes":"2215355035",
"TotalQuery":"805"
```

```
"AvgObjectSize":"2473513.185",
"AvgResponseRate":"1154.391434785841",
"AvgResponseTime":"2142.6988372093024",
"Bps":"337654.18080952385",
"ByteHitRate":"99.99985277977696",
"BytesProportion":"3.141282707530976",
"Proportion":"3.313810110974106",
"Qps":"0.017063492063492062",
"Region":"Fujian province",
"RegionEname":"Fujian",
"ReqErrRate":"0.0",
"ReqHitRate":"99.4186046511628",
"TotalBytes":"2127221339",
"TotalQuery":"860"
```

```
"AvgObjectSize":"2529717.982589286",
"AvgResponseRate":"1235.7418245535987",
"AvgResponseTime":"2047.125",
"Bps":"359782.1130793651",
"ByteHitRate":"99.88374126237764",
"BytesProportion":"3.3471444884395347",
"Proportion":"3.4525277435265105",
"Qps":"0.017777777777777778",
"Region":"Shanxi province",
"RegionEname":"shanxi",
"ReqErrRate":"0.0",
"ReqHitRate":"99.55357142857143",
```

```
"TotalBytes": "2266627312",
"TotalQuery": "896"

"AvgObjectSize": "2768882.4563117456",
"AvgResponseRate": "1662.686634908582",
"AvgResponseTime": "1665.3062568605928",
"Bps": "400389.1932857143",
"ByteHitRate": "100.0",
"BytesProportion": "3.7249224817393896",
"Proportion": "3.5103267570900125",
"Qps": "0.018075396825396824",
"Region": "Yunnan province",
"RegionEname": "yunnan",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "2522451917",
"TotalQuery": "911"

"AvgObjectSize": "2602777.413138686",
"AvgResponseRate": "1028.303387588414",
"AvgResponseTime": "2531.1376433785194",
"Bps": "396200.5617777778",
"ByteHitRate": "100.0",
"BytesProportion": "3.685954577676852",
"Proportion": "3.695283600493218",
"Qps": "0.01902777777777778",
"Region": "Hebei province",
"RegionEname": "Hebei",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "2496063539",
"TotalQuery": "959"

"AvgObjectSize": "2828102.81425943",
"AvgResponseRate": "884.3783424312907",
"AvgResponseTime": "3197.8426862925485",
"Bps": "487959.9617619048",
"ByteHitRate": "99.99993802509998",
"BytesProportion": "4.5396156096015785",
"Proportion": "4.188501849568434",
"Qps": "0.02156746031746032",
"Region": "Hubei province",
"RegionEname": "Hubei",
"ReqErrRate": "0.0",
"ReqHitRate": "99.72401103955842",
"TotalBytes": "3074147759",
"TotalQuery": "1087"

"AvgObjectSize": "2553441.9855605382",
"AvgResponseRate": "1127.3220113227628",
"AvgResponseTime": "2265.0511210762334",
"Bps": "451918.7006190476",
"ByteHitRate": "99.91296907710742",
"BytesProportion": "4.2043145921101575",
"Proportion": "4.296393341553637",
"Qps": "0.022123015873015874",
"Region": "Zhejiang province",
"RegionEname": "zhejiang",
```

```
"ReqErrRate": "0.0",
"ReqHitRate": "99.64125560538116",
"TotalBytes": "2847087813",
"TotalQuery": "1115"

"AvgObjectSize": "2825230.7105726874",
"AvgResponseRate": "1330.4354698914951",
"AvgResponseTime": "2123.5383259911896",
BPS: 508989.9772222223 ",
"ByteHitRate": "99.7790833225895",
"BytesProportion": "4.73526319123739",
"Proportion": "4.37345869297164",
"Qps": "0.02251984126984127",
"Region": "Jiangsu province",
"RegionEname": "Jiangsu",
"ReqErrRate": "0.0",
"ReqHitRate": "99.64757709251101",
"TotalBytes": "3206636856",
"TotalQuery": "1135"

"AvgObjectSize": "2707689.0548415496",
"AvgResponseRate": "1339.8235569585188",
"AvgResponseTime": "2020.9295774647887",
"Bps": "488243.6136984127",
"ByteHitRate": "99.99857147165532",
"BytesProportion": "4.54225449569792",
"Proportion": "4.37731196054254",
QPS: 0.02253968253968254 ",
"Region": "Hunan province",
"RegionEname": "Hunan",
"ReqErrRate": "0.0",
"ReqHitRate": "99.03169014084507",
"TotalBytes": "3075934766",
"TotalQuery": "1136"

"AvgObjectSize": "2763049.585677308",
"AvgResponseRate": "1397.6178986771317",
"AvgResponseTime": "1976.9706643658326",
"Bps": "508313.40790476196",
"ByteHitRate": "100.0",
"BytesProportion": "4.728968894829482",
"Proportion": "4.465937114673243",
"Qps": "0.022996031746031747",
"Region": "Heilongjiang province",
"RegionEname": "Heilongjiang",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "3202374469",
"Totalquery": "1159"

"AvgObjectSize": "2635213.5717817564",
"AvgResponseRate": "1452.8561771775414",
"AvgResponseTime": "1813.8158567774935",
"Bps": "490651.66979365086",
"ByteHitRate": "99.99999999999999",
"BytesProportion": "4.564657253906334",
"Proportion": "4.519882860665844",
"Qps": "0.023273809523809523",
```

```
"Region": "Liaoning province",
"RegionEname": "Liaoning",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "3091105519",
"TotalQuery": "1173"

"AvgObjectSize": "2651141.2248081844",
"AvgResponseRate": "1502.2255494727121",
"AvgResponseTime": "1764.8090366581416",
"Bps": "493617.2470952381",
"ByteHitRate": "99.962662755313",
"BytesProportion": "4.592246773671759",
"Proportion": "4.519882860665844",
"Qps": "0.023273809523809523",
"Region": "Anhui province",
"RegionEname": "anhui",
"ReqErrRate": "0.0",
"ReqHitRate": "99.65899403239557",
"TotalBytes": "3109788656",
"TotalQuery": "1173"

"AvgObjectSize": "2765505.7641129037",
"AvgResponseRate": "469.5304824766785",
"AvgResponseTime": "5889.938709677419",
"Bps": "544321.7694444446",
"ByteHitRate": "99.3034652219695",
"BytesProportion": "5.063963838946395",
"Proportion": "4.778051787916153",
"Qps": "0.024603174603174603",
"Region": "Guangxi Zhuang Autonomous Region",
"RegionEname": "Guangxi",
"ReqErrRate": "0.0",
"ReqHitRate": "98.79032258064517",
"TotalBytes": "3429227147",
"Totalquery": "1240"

"AvgObjectSize": "2197253.41769852",
"AvgResponseRate": "720.671411528823",
"AvgResponseTime": "3048.897711978466",
"Bps": "518272.7902698413",
"ByteHitRate": "99.99678589314689",
"BytesProportion": "4.821623561583812",
"Proportion": "5.725955610357583",
"Qps": "0.029484126984126984",
"Region": "Sichuan province",
"RegionEname": "sichuan",
"ReqErrRate": "0.0",
"Reqhitrate": "99.93270524899057",
"TotalBytes": "3265118578",
"TotalQuery": "1486"

"AvgObjectSize": "2773648.9175943704",
"AvgResponseRate": "2216.86197693452",
"AvgResponseTime": "1251.1599488163788",
"Bps": "688129.0886031748",
"ByteHitRate": "100.0",
"BytesProportion": "6.4018398984302864",
```

```

"Proportion": "6.022657213316893",
"Qps": "0.03101190476190476",
"Region": "Shandong province",
"RegionEname": "shandong",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "4335213258",
"TotalQuery": "1563"

"AvgObjectSize": "2566371.868045113",
"AvgResponseRate": "1091.8003744598548",
"AvgResponseTime": "2350.5870927318297",
"Bps": "650147.539904762",
"ByteHitRate": "99.99998447727191",
"BytesProportion": "6.048487892405889",
"Proportion": "6.149815043156597",
"Qps": "0.03166666666666667",
"Region": "Henan province",
"RegionEname": "Henan",
"ReqErrRate": "0.0",
"ReqHitRate": "99.93734335839599",
"TotalBytes": "4095929501",
"TotalQuery": "1596"

"AvgObjectSize": "2505782.0102497404",
"AvgResponseRate": "1040.446859646019",
"AvgResponseTime": "2408.3709677419356",
"Bps": "764462.3847142858",
"ByteHitRate": "99.82548062184921",
"BytesProportion": "7.111987963257421",
"Proportion": "7.405980271270037",
"Qps": "0.03813492063492063",
"Region": "Guangdong province",
"RegionEname": "Guangdong",
"ReqErrRate": "0.0",
"ReqHitRate": "99.37565036420395",
"TotalBytes": "4816113023",
"TotalQuery": "1922"

```

### Exception return example

- JSON format

```

"Code": "InternalError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",

```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.13 DescribeDomainISPData

Obtain the distribution of users and carriers of CDN domain names with day granularity.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- The system supports query of only one domain name or all domain names belonging to the current user.
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values        | Description                                                                                                                                                                            |
|------------|--------|----------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainISPData | The name of this interface. Value : DescribeDomainISPData                                                                                                                              |
| DomainName | String | No       | test.test.com         | CDN domain name to be queried. This parameter can be set to support only one domain name. If this parameter is left blank, all domain names belonging to the current user are queried. |
| EndTime    | String | No       | 2015-12-05            | <ul style="list-style-type: none"><li>• The end time must be later than the start time, and adopts Beijing time.</li><li>• Format: YYYY-MM-DD.</li></ul>                               |

|           |        |    |            |                                                                                                                                                                                                                              |
|-----------|--------|----|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| startTime | String | No | 2015-12-05 | <ul style="list-style-type: none"> <li>Start time of data query, and adopts Beijing time.</li> <li>Format: YYYY-MM-DD.</li> <li>If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul> |
|-----------|--------|----|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Return parameters

| Parameters     | Type   | Example values                       | Description                                     |
|----------------|--------|--------------------------------------|-------------------------------------------------|
| RequestId      | String | DE81639B-DAC1-4C76-AB72-F34B836837D5 | The ID of the request.                          |
| DomainName     | String | test.test.com                        | The CDN domain name.                            |
| DataInterval   | String | 86400                                | Time interval.                                  |
| StartTime      | String | 2016-03-14                           | Start time of data query.                       |
| EndTime        | String | 2016-03-14                           | End time of data query.                         |
| Value          |        |                                      | List of access proportion data of each carrier. |
| ISP            | String | Alibaba                              | Carrier information.                            |
| LProportion    | String | 0.004509176173513099                 | Proportion data.                                |
| LispEname      | String | alibaba                              | Carrier name in English.                        |
| LAvgObjectSize | String | 7081884.7                            | Average response size. Unit: bytes.             |

|                  |        |                       |                                            |
|------------------|--------|-----------------------|--------------------------------------------|
| LAvgResponseTime | String | 79638.0               | Average response time. Unit: milliseconds. |
| LBps             | String | 1311.4601296296296    | Bandwidth.                                 |
| LByteHitRate     | String | 100.0                 | Bytes hit rate.                            |
| LQps             | String | 2.3148148148148147E-5 | Per-second query rate.                     |
| LReqErrRate      | String | 0.0                   | Request error rate.                        |
| LReqHitRate      | String | 100.0                 | Request hit rate.                          |
| LAvgResponseRate | String | 88.92594866772144     | Average response speed. Unit: bytes/ms.    |
| LTOTALBYTES      | String | 7081884               | Total traffic.                             |
| LBytesProportion | String | 0.012220518530445479  | Total traffic proportion.                  |
| LTOTALQUERY      | String | 1                     | Total number of requests.                  |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainISPData&DomainName=test.com
&StartTime=2015-12-05
&EndTime=2015-12-07
&public request parameter
```

### Normal return example

- JSON format

```
{
  "DataInterval": "86400",
  "DomainName": "downtest.cdnpe.com",
  "EndTime": "2016-03-14",
  "RequestId": "DE81639B-DAC1-4C76-AB72-F34B836837D5",
  "StartTime": "2016-03-13",
  "Value": {
    "ISPProportionData": [
      {
        "AvgObjectSize": "7081884.7",
        "AvgResponseRate": "88.92594866772144",
        "AvgResponseTime": "79638.0",
        "Bps": "1311.4601296296296",
        "ByteHitRate": "100.0",
        "BytesProportion": "0.012220518530445479",
```

```
"ISP": "Alibaba",
"IspEname": "alibaba",
"Proportion": "0.004509176173513099",
"Qps": "2.3148148148148147E-5",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "7081884",
"TotalQuery": "1"

"AvgObjectSize": "800019.0",
"AvgResponseRate": "154.3345765545624",
"AvgResponseTime": "5183.666666666667",
"Bps": "444.455",
"ByteHitRate": "100.0",
"BytesProportion": "0.004141544558417533",
"ISP": "overseas ISP",
"IspEname": "overseas",
"Proportion": "0.013527528520539298",
"Qps": "6.944444444444444E-5",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "2400057",
"TotalQuery": "3"

"AvgObjectSize": "3018642.684146342",
"AvgResponseRate": "1025.5028528460102",
"AvgResponseTime": "2943.5731707317073",
"Bps": "45838.64816666667",
"ByteHitRate": "100.0",
"BytesProportion": "0.42713616424581613",
"ISP": "Dr. Peng ",
"IspEname": "drpeng",
"Proportion": "0.3697524462280741",
"Qps": "0.0018981481481481482",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "247528700",
"TotalQuery": "82"

"AvgObjectSize": "3123166.4508771934",
"AvgResponseRate": "484.6396117340071",
"AvgResponseTime": "6444.30701754386",
"Bps": "65933.51396296297",
"ByteHitRate": "99.99999999999999",
"BytesProportion": "0.6143852267848392",
"ISP": "CERNET",
"IspEname": "cernet",
"Proportion": "0.5140460837804933",
"Qps": "0.002638888888888889",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "356040975",
"TotalQuery": "114"

"AvgObjectSize": "2116401.843961353",
"AvgResponseRate": "752.2096624205244",
"AvgResponseTime": "2813.5797101449275",
"Bps": "81128.73735185186",
```

```
"ByteHitRate": "100.0",
"BytesProportion": "0.7559781771177001",
"ISP": "Tie Tong",
"IspEname": "tietong",
"Proportion": "0.9333994679172115",
"Qps": "0.004791666666666666",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "438095181",
"TotalQuery": "207"
```

```
"AvgObjectSize": "2723991.4195312504",
"AvgResponseRate": "321.5924922592767",
"AvgResponseTime": "8470.3203125",
"Bps": "129137.371000000001",
"ByteHitRate": "100.00000000000001",
"BytesProportion": "1.2033348171432345",
"ISP": "other",
"IspEname": "other",
"Proportion": "1.1543491004193533",
"Qps": "0.005925925925925926",
"ReqErrRate": "0.0",
"ReqHitRate": "100.0",
"TotalBytes": "697341803",
"TotalQuery": "256"
```

```
"AvgObjectSize": "1657975.598360084",
"AvgResponseRate": "1004.5513789924338",
"AvgResponseTime": "1650.463712491277",
"Bps": "879955.1972037038",
"ByteHitRate": "99.14745652563326",
"BytesProportion": "8.19964599032574",
"ISP": "Mobile",
"IspEname": "mobile",
"Proportion": "12.923298913288543",
"Qps": "0.06634259259259259",
"ReqErrRate": "0.0",
"ReqHitRate": "97.3831123517097",
"TotalBytes": "4751758064",
"TotalQuery": "2866"
```

```
"AvgObjectSize": "2640215.374074074",
"AvgResponseRate": "1171.525957981939",
"AvgResponseTime": "2253.6550352004897",
"Bps": "3194660.60262963",
"ByteHitRate": "99.99981717005271",
"BytesProportion": "29.768658772680293",
"ISP": "Unicom",
"IspEname": "unicom",
"Proportion": "29.46295711773459",
"Qps": "0.15125",
"ReqErrRate": "0.0",
"ReqHitRate": "99.96939087848179",
"TotalBytes": "17251167254",
"TotalQuery": "6534"
```

```
"AvgObjectSize": "2823126.71357933",
"AvgResponseRate": "984.184264638081",
```

```
"AvgResponseTime": "2868.494056463596",
"Bps": "6333214.260796296",
"ByteHitRate": "99.99968869093071",
"BytesProportion": "59.01449878861353",
"ISP": "Telecom",
"IspEname": "telecom",
"Proportion": "54.62416016593768",
"Qps": "0.28041666666666665",
"ReqErrRate": "0.0",
"ReqHitRate": "99.97523526498266",
"TotalBytes": "34199357008",
"Totalquery": "12114"
```

### Exception return example

- JSON format

```
"Code": "InternalError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.14 DescribeDomainTopUrlVisit

Obtain the popular URL list for a CDN domain name on a specific day.

- When StartTime is not specified, the interface reads data from the past day by default.
- The system supports query of only one domain name or all domain names belonging to the current user.
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values            | Description                                                                                                |
|------------|--------|----------|---------------------------|------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainTopUrlVisit | The name of this interface. Value : DescribeDomainTopUrlVisit                                              |
| DomainName | String | No       | test.test.com             | Only one domain name is supported. If the parameter is left blank, the return results contain the combined |

|           |        |    |            |                                                                                                                                                                                                                         |
|-----------|--------|----|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |            | data of all CDN domains by default.                                                                                                                                                                                     |
| SortBy    | String | No | pv         | Sorting manner. <ul style="list-style-type: none"> <li>• Supports traf and pv.</li> <li>• Default value: pv</li> </ul>                                                                                                  |
| StartTime | String | No | 2015-12-03 | Start time of data query, and adopts Beijing time. <ul style="list-style-type: none"> <li>• Format: YYYY-MM-DD.</li> <li>• If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul> |

### Return parameters

| Parameters       | Type   | Example values                                                                              | Description               |
|------------------|--------|---------------------------------------------------------------------------------------------|---------------------------|
| RequestId        | String | 64D28B53-5902-409B-94F6-FD46680144FE                                                        | The ID of the request.    |
| DomainName       | String | test.com                                                                                    | CDN domain name.          |
| StartTime        | String | 2015-12-03                                                                                  | Specified date of query.  |
| AllUrlList       |        |                                                                                             | List of all popular URLs. |
| LUriDetail       | String | <a href="http://test.com/nn_live/nn_x64/a0.m3u8">Http://test.com/nn_live/nn_x64/a0.m3u8</a> | Complete URL.             |
| LVisitData       | String | 161673                                                                                      | Times of access.          |
| LVisitProportion | Float  | 0.35                                                                                        | Access proportion.        |
| LFlow            | String | 460486880                                                                                   | Traffic.<br>Unit: byte    |
| LFlowProportion  | Float  | 0.35                                                                                        | Traffic proportion.       |

|                           |        |                                                                                                                                                                           |                                  |
|---------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Url200List                |        |                                                                                                                                                                           | Returned URL list in 2xx format. |
| $\text{LUriDetail}$       | String | <a href="http://test.com/nn_live/nn_x64/aWQ9SE5KU0bGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8">http://test.com/nn_live/nn_x64/aWQ9SE5KU0bGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8</a>         | Complete URL.                    |
| $\text{LVisitData}$       | String | 161673                                                                                                                                                                    | Times of access.                 |
| $\text{LVisitProportion}$ | Float  | 0.35                                                                                                                                                                      | Access proportion.               |
| $\text{LFlow}$            | String | 460486880                                                                                                                                                                 | Traffic.<br>Unit: byte           |
| $\text{LFlowProportion}$  | Float  | 0.35                                                                                                                                                                      | Traffic proportion.              |
| Url300List                |        |                                                                                                                                                                           | Returned URL list in 3xx format. |
| $\text{LUriDetail}$       | String | <a href="http://test.com/nn_live/nn_x64/a0.m3u8">http://test.com/nn_live/nn_x64/a0.m3u8</a>                                                                               | Complete URL.                    |
| $\text{LVisitData}$       | String | 161673                                                                                                                                                                    | Times of access.                 |
| $\text{LVisitProportion}$ | Float  | 0.35                                                                                                                                                                      | Access proportion.               |
| $\text{LFlow}$            | String | 460486880                                                                                                                                                                 | Traffic.<br>Unit: byte           |
| $\text{LFlowProportion}$  | Float  | 0.35                                                                                                                                                                      | Traffic proportion.              |
| Url400List                |        |                                                                                                                                                                           | Returned URL list in 4xx format. |
| $\text{LUriDetail}$       | String | <a href="http://test.com/nn_live/nn_x64/aWQ9SE5KU01QUhbGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8">http://test.com/nn_live/nn_x64/aWQ9SE5KU01QUhbGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8</a> | Complete URL.                    |
| $\text{LVisitData}$       | String | 1884                                                                                                                                                                      | Times of access.                 |
| $\text{LVisitProportion}$ | Float  | 0.35                                                                                                                                                                      | Access accounts.                 |
| $\text{LFlow}$            | String | 460486880                                                                                                                                                                 | Traffic.<br>Unit: byte           |
| $\text{LFlowProportion}$  | Float  | 0.35                                                                                                                                                                      | Traffic proportion.              |
| Url500List                |        |                                                                                                                                                                           | Returned URL list in 5xx format. |

|                  |        |                                                                                                                                                         |                        |
|------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| LUrlDetail       | String | <a href="http://test.com/nn_live/nn_x64/aWQ9SE5KU0GNfbGI2ZQ,,/HNJSMPP360.m3u8">http://test.com/nn_live/nn_x64/aWQ9SE5KU0GNfbGI2ZQ,,/HNJSMPP360.m3u8</a> | Complete URL.          |
| LVisitData       | String | 161673                                                                                                                                                  | Times of access.       |
| LVisitProportion | Float  | 0.35                                                                                                                                                    | Access proportion.     |
| LFlow            | String | 460486880                                                                                                                                               | Traffic.<br>Unit: byte |
| LFlowProportion  | Float  | 0.35                                                                                                                                                    | Traffic proportion.    |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainTopUrlVisit&DomainName=
test.com
&StartTime=2015-12-03
&public request parameter
```

### Normal return example

- JSON format

```
{
  "AllUrlList": {
    "UrlList": [
      {
        "Flow": "460486880",
        "FlowProportion": 0.35,
        "UrlDetail": "http://test.com/nn_live/nn_x64/a0.m3u8",
        "VisitData": "161673",
        "VisitProportion": 0.35
      },
      {
        "Flow": "460486880",
        "FlowProportion": 0.35,
        "UrlDetail": "http://test.com/nn_live/nn_x64/ZXg9MQ,,/HNJSMPP360.ts",
        "VisitData": "37",
        "VisitProportion": 0.35
      }
    ]
  },
  "DomainName": "test.com",
  "RequestId": "64D28B53-5902-409B-94F6-FD46680144FE",
  "StartTime": "2015-12-03",
  "Url200List": {
    "UrlList": [
      {
        "Flow": "460486880",
```

```

        "FlowProportion":0.35,
        "UrlDetail":"http://test.com/nn_live/nn_x64/
awQ9SE5KU0bGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8",
        "VisitData":"161673",
        "VisitProportion":0.35

        "Flow":"460486880",
        "FlowProportion":0.35,
        "UrlDetail":"http://test.com/nn_live/nn_x64/
awQ9SE5KU01QUdMlPTIwMTxMDk5ZXg9MQ,,/HNJSMPP360.ts",
        "VisitData":"3",
        "VisitProportion":0.35

    "Url300List":{
        "TopUrlVisitModel":[]

    "Url400List":{
        "UrlList":[

            "Flow":"460486880",
            "FlowProportion":0.35,
            "UrlDetail":"http://test.com/nn_live/nn_x64/
awQ9SE5KU01QUhbGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8",
            "VisitData":"1884",
            "VisitProportion":0.35

            "Flow":"460486880",
            "FlowProportion":0.35,
            "UrlDetail":"http://test.com/nn_live/nn_x64/
awQ9SEewODgmpbmRleZPTE,/HNJSMPP360.ts",
            "VisitData":"1",
            "VisitProportion":0.35

        "Url1500List":{
            "UrlList":[

                "Flow":"460486880",
                "FlowProportion":0.35,
                "UrlDetail":"http://test.com/nn_live/nn_x64/
awQ9SE5KU0GNfbGl2ZQ,,/HNJSMPP360.m3u8",
                "VisitData":"161673",
                "VisitProportion":0.35

                "Flow":"460486880",
                "FlowProportion":0.35,
                "UrlDetail":"http://test.com/nn_live/nn_x64/
awQ9SE5KU01QUdZXg9MQ,,/HNJSMPP360.ts",
                "VisitData":"3",
                "VisitProportion":0.35

```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.15 DescribeDomainTopReferVisit

Obtain the reference times ranking of popular pages for a CDN domain name on a specific day.

- When StartTime is not specified, the interface reads data from the past day by default.
- The system supports query of only one domain name or all domain names belonging to the current user.
- Data from the past 90 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values              | Description                                                                                                                                    |
|------------|--------|----------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainTopReferVisit | The name of this interface. Value : DescribeDomainTopReferVisit                                                                                |
| DomainName | String | No       | www.yourdomain.com          | Only one domain name is supported. If the parameter is left blank, the return results contain the combined data of all CDN domains by default. |
| SortBy     | String | No       | pv                          | Sorting manner. <ul style="list-style-type: none"><li>• Supports traf and pv.</li><li>• Default value: pv</li></ul>                            |

|           |        |    |                         |                                                                                                                                                                                                                     |
|-----------|--------|----|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| StartTime | String | No | 2017-12-21T08:00:00:00Z | Start time of data query, and adopts Beijing time. <ul style="list-style-type: none"> <li>Format: YYYY-MM-DD.</li> <li>If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul> |
|-----------|--------|----|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Return parameters

| Parameters       | Type   | Example values                       | Description                       |
|------------------|--------|--------------------------------------|-----------------------------------|
| RequestId        | String | 95994621-8382-464B-8762-C708E73568D1 | The ID of the request.            |
| DomainName       | String | test.com                             | CDN domain name.                  |
| StartTime        | String | 2015-11-28                           | Specified date of query.          |
| TopReferList     |        |                                      | List of all popular referer URLs. |
| └ReferDetail     | String | live-hunantv.cdnpe.com               | Complete referer URL.             |
| └VisitData       | String | 3                                    | Times of access.                  |
| └VisitProportion | Float  | 0.5                                  | Access proportion.                |
| └Flow            | String | 200                                  | Traffic.<br>Unit: byte            |
| └FlowProportion  | Float  | 0.5                                  | Traffic proportion.               |

### Examples

#### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainTopReferVisit&DomainName=test.com
&StartTime=2015-11-28
```

&Public request parameter

### Normal return example

- JSON format

```
"DomainName": "test.com",
"RequestId": "95994621-8382-464B-8762-C708E73568D1",
"StartTime": "2015-11-28",
"TopReferList": {
  "ReferList": [
    {
      "ReferDetail": "-",
      "VisitData": "229567"
    },
    {
      "ReferDetail": "123.57.158.8",
      "VisitData": "2496"
    },
    {
      "ReferDetail": "live-hunantv.cdnpe.com",
      "VisitData": "448"
    },
    {
      "ReferDetail": "video.ccdemo.ccgslb.net",
      "VisitData": "3"
    }
  ]
}
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.16 DescribeDomainFileSizeProportionData

Obtain the file size shares of a CDN domain name. The minimum granularity is 1 hour.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- The system supports query of only one domain name or all domain names belonging to the current user.
- Data from the past 90 days can be obtained at most.

**Request parameters**

| Parameters | Type   | Required | Example values                               | Description                                                                                                                                                                                                     |
|------------|--------|----------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDo<br>mainFileSi<br>zeProportionData | The name of this interface. Value : DescribeDo<br>mainFileSi<br>zeProportionData                                                                                                                                |
| DomainName | String | No       | test.test.com                                | CDN domain name to be queried. This parameter can be set to support only one domain name. If this parameter is left blank, all domain names belonging to the current user are queried.                          |
| EndTime    | String | No       | 2015-11-30T05:40Z                            | <ul style="list-style-type: none"><li>• The end time must be later than the start time.</li><li>• The date format adopts ISO8601 notation and uses the UTC time.</li><li>• Format: YYYY-MM-DDThh:mmZ.</li></ul> |
| StartTime  | String | No       | 2015-11-30T01:33Z                            | Start time of data query. <ul style="list-style-type: none"><li>• The date format adopts ISO8601 notation and adopts the UTC time.</li></ul>                                                                    |

|  |  |  |  |                                                                                                                                                                                                                                |
|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  | <ul style="list-style-type: none"> <li>• Format: YYYY-MM-DDThh:mmZ.</li> <li>• The minimum data granularity is 1 hour.</li> <li>• If this parameter is unspecified, data from the past 24 hours is read by default.</li> </ul> |
|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Return parameters

| Parameters                     | Type   | Example values                       | Description                                                              |
|--------------------------------|--------|--------------------------------------|--------------------------------------------------------------------------|
| RequestId                      | String | 23ACE7E2-2302-42E3-98F8-E5E697FD86C3 | The ID of the request.                                                   |
| DomainName                     | String | test.test.com                        | CDN domain name.                                                         |
| DataInterval                   | String | 3600                                 | Interval of each record. The value is invariably set to 1 hour or 1 day. |
| StartTime                      | String | 2015-11-30T01:33Z                    | Start time of data query.                                                |
| EndTime                        | String | 2015-11-30T05:40Z                    | End time of data query.                                                  |
| FileSizeProportionDataInterval |        |                                      | Data accessed per second during each interval.                           |
| <sup>L</sup> Timestamp         | String | 2015-11-30T03:00:00Z                 | Start time of a time slice.                                              |
| <sup>L</sup> Value             |        |                                      | Data list of file size proportion.                                       |
| <sup>L</sup> FileSize          | String | <50K                                 | File size.                                                               |
| <sup>L</sup> Proportion        | String | 0.01                                 | Proportion.                                                              |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainFileSizeProportionData&
DomainName=test.com
&StartTime=2015-11-30T01:33Z
&EndTime=2015-11-30T05:40Z
&Public request parameter
```

### Normal return example

- JSON format

```
{
  "DataInterval": "3600",
  "DomainName": "test.com",
  "EndTime": "2015-11-30T05:40Z",
  "FileSizeProportionDataInterval": {
    "UsageData": [
      {
        "TimeStamp": "2015-11-30T03:00:00Z",
        "Value": {
          "FileSizeProportionData": [
            {
              "FileSize": "<1M",
              "Proportion": "7.91"
            },
            {
              "FileSize": "<20K",
              "Proportion": "0.137"
            },
            {
              "FileSize": "<5K",
              "Proportion": "64.544"
            },
            {
              "FileSize": ">1M",
              "Proportion": "21.334"
            },
            {
              "FileSize": "<10K",
              "Proportion": "0.01"
            },
            {
              "FileSize": "<50K",
              "Proportion": "0.02"
            },
            {
              "FileSize": "<100K",
              "Proportion": "6.046"
            }
          ]
        }
      },
      {
        "TimeStamp": "2015-11-30T04:00:00Z",
        "Value": {
          "FileSizeProportionData": [
```

```
"FileSize": "<1M",  
"Proportion": "4.564"  
  
"FileSize": "<20K",  
"Proportion": "0.645"  
  
"FileSize": "<5K",  
"Proportion": "69.746"  
  
"FileSize": ">1M",  
"Proportion": "18.534"  
  
"FileSize": "<10K",  
"Proportion": "0.01"  
  
"FileSize": "<50K",  
"Proportion": "0.068"  
  
"FileSize": "<100K",  
"Proportion": "6.432"  
  
"TimeStamp": "2015-11-30T02:00:00Z",  
"Value": {  
  "FileSizeProportionData": [  
    "FileSize": "<1M",  
    "Proportion": "16.066"  
  
    "FileSize": "<20K",  
    "Proportion": "0.07"  
  
    "FileSize": "<5K",  
    "Proportion": "52.842"  
  
    "FileSize": ">1M",  
    "Proportion": "26.43"  
  
    "FileSize": "<10K",  
    "Proportion": "0.018"  
  
    "FileSize": "<50K",  
    "Proportion": "0.026"  
  
    "FileSize": "<100K",  
    "Proportion": "4.547"
```

```
"TimeStamp": "2015-11-30T05:00:00Z",
"Value": {
  "FileSizeProportionData": [
    {
      "FileSize": "<1M",
      "Proportion": "4.521"
    },
    {
      "FileSize": "<20K",
      "Proportion": "1.551"
    },
    {
      "FileSize": "<5K",
      "Proportion": "68.254"
    },
    {
      "FileSize": ">1M",
      "Proportion": "18.625"
    },
    {
      "FileSize": "<10K",
      "Proportion": "0.631"
    },
    {
      "FileSize": "<50K",
      "Proportion": "0.026"
    },
    {
      "FileSize": "<100K",
      "Proportion": "6.392"
    }
  ]
},
"RequestId": "23ACE7E2-2302-42E3-98F8-E5E697FD86C3",
"StartTime": "2015-11-30T01:33Z"
```

### Exception return example

- JSON format

```
"Code": "InternalError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.17 DescribeCdnRegionAndIsp

Obtain a list of regions and carriers.

### Request parameters

| Parameters | Type   | Required | Example values          | Description                                                 |
|------------|--------|----------|-------------------------|-------------------------------------------------------------|
| Action     | String | Yes      | DescribeCdnRegionAndIsp | The name of this interface. Value : DescribeCdnRegionAndIsp |

### Return parameters

| Parameters | Type   | Example values                       | Description            |
|------------|--------|--------------------------------------|------------------------|
| RequestId  | String | 2387C335-932C-4E1E-862C-1C4363B6DE72 | The ID of the request. |
| Regions    |        |                                      | Regions list.          |
| LNameZh    | String | Liaoning province.                   | Chinese name.          |
| LNameEn    | String | liaoning                             | English name.          |
| Isp        |        |                                      | ISPs list.             |
| LNameZh    | String | Unicom                               | Chinese name.          |
| LNameEn    | String | unicom                               | English name.          |

### Examples

#### Request example

```
http://cdn.aliyuncs.com?Action=DescribeCdnRegionAndIsp&Public Request Parameter
```

#### Normal return example

- JSON format

```
"Isp": {
  "Isp": [
    {
      "NameEn": "unicom",
      "NameZh": "Unicom"
    }
  ]
}
```

```
"NameEn":"tietong",
"NameZh":"Tietong"

"NameEn":"telecom",
"NameZh":"Telecom"

"NameEn":"cernet",
"NameZh":"Cernet"

"Nameen": "drpeng ",
"NameZh":"Dr PENG"

"NameEn":"mobile",
"NameZh":"Mobile"

"Regions":{
  "Region":[
    "NameEn":"liaoning",
    "NameZh":"Liaoning province"

    "NameEn":"guangxi",
    "NameZh":"Guangxi Zhuang Autonomous Region"

    "NameEn":"anhui",
    "NameZh":"Anhui province"

    "NameEn":"ningxia",
    "NameZh":"Ningxia Hui Autonomous Region"

    "NameEn":"jiangxi",
    "NameZh":"Jiangxi province"

    "NameEn":"guangdong",
    "NameZh":"Guangdong province"

    "NameEn":"neimenggu",
    "NameZh":"Innter Mongolia Autonomous Region"

    "NameEn":"aomen",
    "NameZh":"Macao Special Administrative Region"

    "NameEn":"jiangsu",
    "NameZh":"Jiangsu province"

    "NameEn":"tianjin",
```

```
"NameZh": "The city of Tianjin"

"NameEn": "chongqing",
"NameZh": "The city of Chongqing"

"NameEn": "Jilin ",
"NameZh": "Jilin province"

"NameEn": "shaanxi",
"NameZh": "Shaanxi province"

"NameEn": "shanghai",
"NameZh": "The city of Shanghai"

"NameEn": "sichuan",
"NameZh": "Sichuan province"

"NameEn": "yunnan",
"NameZh": "Yunnan Province"

"NameEn": "Xianggang ",
"NameZh": "Hong Kong Special Administrative Region"

"NameEn": "taiwan",
"NameZh": "Taiwan province"

"NameEn": "shandong",
"NameZh": "Shandong province"

"NameEn": "xizang",
"NameZh": "Tibet Autonomous Region"

"NameEn": "hebei",
"NameZh": "Hebei province"

"NameEn": "qinghai",
"NameZh": "Qinghai province"

"NameEn": "gansu",
"NameZh": "Gansu Province"

"NameEn": "xinjiang",
"NameZh": "Xinjiang Uygur Autonomous Region"

"NameEn": "heilongjiang",
"NameZh": "Heilongjiang province"
```

```

      "NameEn": "shanxi",
      "NameZh": "Shanxi province"

      "NameEn": "hainan",
      "NameZh": "Hainan province"

      "NameEn": "zhejiang",
      "NameZh": "Zhejiang province"

      "NameEn": "henan",
      "NameZh": "Henan province"

      "NameEn": "Fujian ",
      "NameZh": "Fujian province"

      "NameEn": "guizhou",
      "NameZh": "Guizhou province"

      "NameEn": "hubei",
      "NameZh": "Hubei province"

      "NameEn": "hunan",
      "NameZh": "Hunan province"

      "NameEn": "beijing",
      "NameZh": "The city of Beijing"

      "RequestId": "2387C335-932C-4E1E-862C-1C4363B6DE72"

```

### Exception return example

- JSON format

```

      "Code": "InternalServerError",
      "HostId": "cdn.aliyuncs.com",
      "Message": "The request processing has failed due to some unknown error.",
      "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"

```

## 12.18 DescribeDomainBpsDataByTimeStamp

Obtain the bandwidth data of a CDN domain name on different locations and ISPs at specific time.

The unit is bit/second.

- Batch domain name query is not supported.

- The time is precise to 5-minute granularity.

### Request parameters

| Parameters    | Type   | Required | Example values                   | Description                                                                                                                                                       |
|---------------|--------|----------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action        | String | Yes      | DescribeDomainBpsDataByTimeStamp | The name of this interface. Value : DescribeDomainBpsDataByTimeStamp                                                                                              |
| DomainName    | String | Yes.     | www.yourdomain.com               | Domain name to be queried. The value cannot be blank.                                                                                                             |
| IspNames      | String | Yes.     | unicom,telecom                   | Target ISP lists to be queried , separated by commas (.). The value cannot be blank.<br>ISP names are obtained using the DescribeCdnRegionAndIsp interface.       |
| LocationNames | String | Yes.     | liaoning,guangxi                 | Target node lists to be queried , separated by commas (.). The value cannot be blank.<br>Location names are obtained using the DescribeCdnRegionAndIsp interface. |
| TimePoint     | String | Yes.     | 2016-08-01T22:00Z                | Target time point of query.<br><ul style="list-style-type: none"> <li>• The date format adopts ISO8601</li> </ul>                                                 |

|  |  |  |  |                                                                                                                                                                       |
|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  | <p>notation and uses the UTC time.</p> <ul style="list-style-type: none"> <li>• Format: YYYY-MM-DDThh:mmZ.</li> <li>• Minimum data granularity: 5 minutes.</li> </ul> |
|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Return parameters

| Parameters    | Type   | Example values                       | Description                                         |
|---------------|--------|--------------------------------------|-----------------------------------------------------|
| DomainName    | String | abc.cn                               | CDN domain name.                                    |
| BpsDataList   |        |                                      | The bps value corresponding to each Locate and ISP. |
| LLocationName | String | Liaoning                             | Node name.                                          |
| LIspName      | String | unicom                               | ISP name.                                           |
| LBps          | Long   | 52119553                             | Corresponding bandwidth value.                      |
| RequestId     | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The ID of the request.                              |
| TimeStamp     | String | 2017-12-22T08:00:00:00Z              | Moment.                                             |

### Examples

#### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainBpsDataByTimeStamp&
DomainName=abc.com
&LocationNames=liaoning,guangxi
&IspNames=unicom,telecom
&TimePoint=2016-08-01T22:00Z
&Public request parameter
```

#### Normal return example

- JSON format

```
"BpsDataList":{
```

```
"BpsDataModel": [
    {
        "Bps": 880996111,
        "IspName": "telecom",
        "LocationName": "Liaoning"
    },
    {
        "Bps": 52119553,
        "IspName": "unicom",
        "LocationName": "Liaoning"
    },
    {
        "Bps": 51295137,
        "IspName": "telecom",
        "LocationName": "Guangxi"
    },
    {
        "Bps": 18673571,
        "IspName": "unicom",
        "LocationName": "Guangxi"
    }
],
"DomainName": "abc.cn",
"RequestId": "7682DE14-3B4D-48D0-9B7C-DD3C8C3E1C78",
"TimeStamp": "2016-08-01T22:00Z"
```

#### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.19 DescribeDomainMax95BpsData

Obtain the 95th percentile bandwidth metric data of CDN domain names. Unit: bit/second. Unit: bit/second.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is supported. Multiple domain names are separated by commas ( half width).
- Data from the past 90 days can be obtained at most.

#### Request parameters

| Parameters | Type | Required | Example values | Description |
|------------|------|----------|----------------|-------------|
|------------|------|----------|----------------|-------------|

|            |        |     |                            |                                                                                                                                                                                                                                                                                                                              |
|------------|--------|-----|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes | DescribeDomainMax95BpsData | The system sets parameters . Value: DescribeDomainMax95BpsData                                                                                                                                                                                                                                                               |
| DomainName | String | No  | www.yourdomain.com         | <p>If the parameter is left blank, the system returns the combined data of all CDN domain names by default.</p> <ul style="list-style-type: none"> <li>You can enter CDN domain names to be queried.</li> <li>Batch domain name query is supported . Multiple domain names are separated by commas ( half width).</li> </ul> |
| EndTime    | String | No  | 2017-12-22T08:00:00:00Z    | <ul style="list-style-type: none"> <li>The end time must be later than the start time.</li> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> </ul>                                                                                                                |
| StartTime  | String | No  | 2017-12-21T08:00:00:00Z    | Gets the starting point of the data.                                                                                                                                                                                                                                                                                         |

|  |  |  |  |                                                                                                                                                                                                                                                                                              |
|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  | <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Format: YYYY-MM-DDThh:mmZ.</li> <li>Minimum data granularity: 5 minutes.</li> <li>If this parameter is left blank, data from the past 24 hours is read by default.</li> </ul> |
|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Return parameters

| Parameters       | Type   | Example values                       | Description                              |
|------------------|--------|--------------------------------------|------------------------------------------|
| DomainName       | String | test.com                             | CDN domain name information.             |
| StartTime        | String | 2015-12-10T20:00Z                    | Start time.                              |
| EndTime          | String | 2015-12-10T21:00Z                    | End time.                                |
| Max95Bps         | String | 16777590.28                          | 95th percentile bandwidth.               |
| DomesticMax95Bps | String | 16777590.28                          | 95th percentile bandwidth in China.      |
| OverseasMax95Bps | String | 0                                    | 95th percentile bandwidth outside China. |
| RequestId        | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | The request ID.                          |

## Examples

### Request example

```
http://cdn.aliyuncs.com?Action=DescribeDomainMax95BpsData&DomainName=test.com
&StartTime=2015-12-10T20:00Z
&EndTime=2015-12-10T21:00Z
&public request parameter
```

### Normal return example

- JSON format

```
"DomainName": "test.com",
"DomesticMax95Bps": "16777590.28",
"EndTime": "2015-12-10T21:00Z",
"Max95Bps": "16777590.28",
"OverseasMax95Bps": "0",
"RequestId": "3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F",
"StartTime": "2015-12-10T20:00Z"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.20 DescribeDomainPathData

Obtain metric data of 5 minutes of CDN domain names path level, including traffic and times of accesses.



### Note:

The domain name with bandwidth of more than 10G, or GC6 and GC7 client can apply by submitting ticket or consult service manager.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is not supported.
- Data from the past 30 days can be obtained at most.

- Path information does not support fuzzy match.

**Request parameters**

| Parameters | Type    | Required | Example values             | Description                                                                                                                                                                                                                 |
|------------|---------|----------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String  | Yes      | DescribeDo<br>mainPathData | The name of this interface. Value : DescribeDo<br>mainPathData                                                                                                                                                              |
| DomainName | String  | Yes.     | test.test.com              | CDN domain name.                                                                                                                                                                                                            |
| EndTime    | String  | No       | 2016-10-20T04:00:00Z       | End time. <ul style="list-style-type: none"><li>• Date is in ISO8601 format, and must use UTC time.</li><li>• Start and end time, with an interval of less than 30 days.</li><li>• Example: 2016-10-20T04:00:00Z.</li></ul> |
| PageNumber | Integer | No       | 1                          | Page number, starting from 1.                                                                                                                                                                                               |
| PageSize   | Integer | No       | 20                         | Page size, not exceeding 1000.                                                                                                                                                                                              |
| Path       | String  | No       | /path/                     | Path, beginning with virgule (/). <ul style="list-style-type: none"><li>• If this parameter is left blank, all the paths are queried.</li><li>• If the path is directory, it must end with virgule (/).</li></ul>           |

|           |        |    |                      |                                                                                                                                                                 |
|-----------|--------|----|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| StartTime | String | No | 2016-10-20T04:00:00Z | Start time.<br><ul style="list-style-type: none"> <li>Date is in ISO8601 format, and must use UTC time.</li> <li>For example : 2016-10-20T04:00:00Z.</li> </ul> |
| Version   | String | No | 2014-11-11           | API version.                                                                                                                                                    |

### Return parameters

| Parameters          | Type    | Example values       | Description                                |
|---------------------|---------|----------------------|--------------------------------------------|
| DomainName          | String  | test.test.com        | CDN domain name.                           |
| StartTime           | String  | 2017-09-30T17:00:00Z | Start time.                                |
| EndTime             | String  | 2017-09-30T17:00:00Z | End time.                                  |
| PageSize            | Integer | 20                   | Page size.                                 |
| PageNumber          | Integer | 1.                   | The current page number, beginning with 1. |
| DataInterval        | String  | 300                  | Time interval.<br>Units: seconds           |
| TotalCount          | Integer | 2                    | The total number of path bandwidth data.   |
| PathDataPerInterval |         |                      | The list of path bandwidth data.           |
| LTraffic            | Integer | 346                  | Traffic (B).                               |
| LAcc                | Integer | 10                   | Times of accesses.                         |
| LPath               | String  | /path/               | Path.                                      |
| LTime               | String  | 2017-09-30T16:00:00Z | Time.                                      |

## Examples

### Request example

```
https://cdn.aliyuncs.com?Action=DescribeDomainPathData&DomainName=<DomainName>&PageNumber=1&PageSize=20
```

### Normal return example

- JSON format

```
{  "DataInterval": 300,  "EndTime": "2017-09-30T17:00:00Z",  "PageNumber": 1,  "PageSize": 20,  "PathDataPerInterval": {    "UsageData": [      {        "Acc": 10,        "Path": "/path/",        "Time": "2017-09-30T16:00:00Z",        "Traffic": 346      },      {        "Acc": 12,        "Path": "/path/",        "Time": "2017-09-30T16:05:00Z",        "Traffic": 400      }    ]  },  "StartTime": "2017-09-30T16:00:00Z",  "TotalCount": 2}
```

### Exception return example

- JSON format

```
{  "Code": "InternalError",  "HostId": "cdn.aliyuncs.com",  "Message": "The request processing has failed due to some unknown error.",  "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"}
```

## 12.21 DescribeL2VipsByDomain

Query the virtual IP address list of an L2 node by the domain name. This interface takes effect after a whitelist is configured.



### Note:

- Users with daily peak bandwidth greater than 1 Gbps can open a ticket to apply for the interface call permission. Click [Apply now](#).
- For more information about scenarios, see What back-to-origin addresses does the Alibaba Cloud CDN support?

### Request parameters

| Parameters | Type   | Required | Example values         | Description                                                                                         |
|------------|--------|----------|------------------------|-----------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeL2VipsByDomain | The name of this interface. Value : DescribeL2VipsByDomain                                          |
| DomainName | String | Yes.     | www.yourdomain.com     | Domain name. Value range : Only one domain name is supported and it must be added to the whitelist. |

### Return parameters

| Parameters | Type   | Example values                        | Description            |
|------------|--------|---------------------------------------|------------------------|
| DomainName | String | xxxx.com                              | Domain name.           |
| Vips       | String | "Vip": [ "1.1.1.1/25", "2.2.2.2/25" ] | Vip list.              |
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8  | The ID of the request. |

### Examples

#### Request example

```
https://cdn.aliyuncs.com?Action=DescribeL2VipsByDomain&DomainName=xxxx.com&Public request parameters
```

#### Normal return example

- JSON format

```
"DomainName": "xxxx.com",  
"RequestId": "820E7900-5CA9-4AEF-B0DD-20ED5F64BE55",
```

```
"Vips":{
  "Vip":[
    "1.1.1.1/25",
    "2.2.2.2/25"
  ]
}
```

### Exception return example

- JSON format

```
"Code":"InternalError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown
error.",
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.22 DescribeDomainRealTimeBpsData

Obtain bandwidth data of domain name with 1-minute granularity.

- Data query from the past 7 days is supported, but the time interval between the StartTime and EndTime for a single query does not exceed 24 hours.
- When StartTime and EndTime are not specified, the system reads data from the past one hour by default.

### Request parameters

| Parameters | Type   | Required | Example values                | Description                                                                                                              |
|------------|--------|----------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainRealTimeBpsData | The name of this interface. Value : DescribeDomainRealTimeBpsData                                                        |
| DomainName | String | Yes.     | test.test.com                 | CDN domain name.                                                                                                         |
| EndTime    | String | No       | 2016-10-20T04:00:00Z          | End time. <ul style="list-style-type: none"><li>The date format adopts ISO8601 notation and uses the UTC time.</li></ul> |

|                |        |    |                      |                                                                                                                                                                                   |
|----------------|--------|----|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |        |    |                      | <ul style="list-style-type: none"> <li>Example: 2016-10-20T04:00:00Z.</li> <li>If this parameter is left blank, data of one hour from StartTime is queried by default.</li> </ul> |
| IspNameEn      | String | No | telecom              | ISP names in English, obtained by using DescribeCdnRegionAndIsp interface. If this parameter is left blank, the system reads all the ISP names by default.                        |
| LocationNameEn | String | No | beijing              | Region name in English, obtained by using DescribeCdnRegionAndIsp interface. If this parameter is left blank, the system reads all the region names by default.                   |
| StartTime      | String | No | 2016-10-20T04:00:00Z | <p>Start time.</p> <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Example: 2016-10-20T04:00:00Z.</li> </ul>       |

|         |        |    |            |                                                                                                                                         |
|---------|--------|----|------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|         |        |    |            | <ul style="list-style-type: none"> <li>If this parameter is left blank, data of one hour from EndTime is queried by default.</li> </ul> |
| Version | String | No | 2014-11-11 | API version.                                                                                                                            |

### Return parameters

| Parameters | Type   | Example values                       | Description                                                                                                                                                                       |
|------------|--------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RequestId  | String | B49E6DDA-F413-422B-B58E-2FA23F286726 | The ID of the request.                                                                                                                                                            |
| Data       |        |                                      | Returned data.                                                                                                                                                                    |
| LBps       | Float  | 16710625.733333332                   | Bandwidth data.<br>Unit: bit/second                                                                                                                                               |
| LTimeStamp | String | 2018-01-02T11: 04: 00Z               | Time stamp. <ul style="list-style-type: none"> <li>The date format follows the iso8601 representation and uses UTC time.</li> <li>For example: 2016-10-20t04: 00: 00Z.</li> </ul> |

Request Parameters return parameters

### Examples

#### Request example

```
https://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeBpsData&
DomainName=www.domainname.com&EndTime=2018-01-02T11%3A05%3A37Z&
IspNameEn=telecom&LocationNameEn=beijingPublic request parameter
```

#### Normal return example

- JSON format

```
"Data":{
  "BpsModel":[
    "Bps":16710625.733333332,
```

```
"TimeStamp": "2018-01-02T11:05:00Z"
```

```
"Bps": 59392614.8,  
"TimeStamp": "2018-01-02T11:04:00Z"
```

```
"RequestId": "B49E6DDA-F413-422B-B58E-2FA23F286726"
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.23 DescribeDomainRealTimeByteHitRateData

Obtain byte hit rate data of domain names with 1-minute granularity.

- Data from the past 7 days can be queried. The time span between the start time and end time for a single query does not exceed 24 hours.
- When StartTime and EndTime are not specified, data from the past one hour is returned by default.



### Note:

Because multiple domain names can be stored together, the possibility that the hit rate data is inaccurate exists. In the event of any inaccuracy, the specific configuration prevails.

### Request parameters

| Parameters | Type   | Required | Example values                        | Description                                                               |
|------------|--------|----------|---------------------------------------|---------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainRealTimeByteHitRateData | The name of this interface. Value : DescribeDomainRealTimeByteHitRateData |
| DomainName | String | Yes.     | test.test.com                         | CDN domain name.                                                          |
| EndTime    | String | No       | 2016-10-20T04:00:00Z                  | End time.                                                                 |

|           |        |    |                      |                                                                                                                                                                                                                                                                       |
|-----------|--------|----|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |        |    |                      | <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Example: 2016-10-20T04:00:00Z.</li> <li>If this parameter is left blank, data of one hour from StartTime is read by default.</li> </ul>                |
| StartTime | String | No | 2016-10-20T04:00:00Z | Start time. <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Example: 2016-10-20T04:00:00Z.</li> <li>If this parameter is left blank, data of one hour from the End time is read by default.</li> </ul> |
| Version   | String | No | 2014-11-11           | API version.                                                                                                                                                                                                                                                          |

### Return parameters

| Parameters | Type   | Example values                       | Description     |
|------------|--------|--------------------------------------|-----------------|
| RequestId  | String | 70A26B11-3673-479C-AEA8-E03FC5D3496D | The request ID. |

| Data         |        |                      | Returned data.                                                                                                                                                                   |
|--------------|--------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LByteHitRate | Float  | 0.8956940476262277   | Byte hit rate data.                                                                                                                                                              |
| LTimeStamp   | String | 2016-10-20T04:00:00Z | The time stamp of data. <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Example: 2016-10-20T04:00:00Z.</li> </ul> |

## Example

### Request example

```
https://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeByteHitRateData
&DomainName=www.domainname.com&EndTime=2018-01-02T11%3A05%3A37Zpublic
request parameter
```

### Normal return example

- JSON format

```
"Data":{
  "ByteHitRateModel":[
    "ByteHitRate":0.8956940476262277,
    "TimeStamp":"2018-01-02T11:26:00Z"

    "ByteHitRate":0.8429129920796812,
    "TimeStamp":"2018-01-02T11:25:00Z"

  ]
}

"RequestId":"70A26B11-3673-479C-AEA8-E03FC5D3496D"
```

### Exception return example

- JSON format

```
"Code":"InternalError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown
error.",
```

```
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.24 DescribeDomainRealTimeQpsData

Obtain Queries per second (QPS) of the domain name for every 1 minute.

- You can check the data from of the past 7 days for a single query.
- The interval between the **StartTime** and **EndTime** cannot be over 24 hours in a single query.
- If you didn't specify the **StartTime** and **EndTime**, the system reads data from the past 1 hour by default.

### Response parameters

| Parameters            | Type   | Required | Example values                | Description                                                                                                                                                                                                                        |
|-----------------------|--------|----------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Action</b>         | String | Yes      | DescribeDomainRealTimeQpsData | The name of this interface. Value: DescribeDomainRealTimeQpsData                                                                                                                                                                   |
| <b>DomainName</b>     | String | Yes.     | test.test.com                 | CDN domain name.                                                                                                                                                                                                                   |
| <b>EndTime</b>        | String | No       | 2016-10-20T04:00:00Z          | End time. <ul style="list-style-type: none"> <li>• The date format adopts ISO8601 notation and uses the UTC time.</li> <li>• If the parameter is left blank, the data of 1 hour from <b>EndTime</b> is read by default.</li> </ul> |
| <b>IspNameEn</b>      | String | No       | telecom                       | ISP name, obtained by using the <b>DescribeCdnRegionAndIsp</b> interface. If this parameter is left blank, the system responses names of all operators.                                                                            |
| <b>LocationNameEn</b> | String | No       | beijing                       | Region name in English, obtained by using the <b>DescribeCdnRegionAndIsp</b> interface. If the parameter is left blank, the system responses names of all regions.                                                                 |
| <b>StartTime</b>      | String | No       | 2016-10-20T04:00:00Z          | Start time. <ul style="list-style-type: none"> <li>• The date format adopts ISO8601 notation and uses the UTC time.</li> </ul>                                                                                                     |

|                |        |    |            |                                                                                                                                            |
|----------------|--------|----|------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|                |        |    |            | <ul style="list-style-type: none"> <li>If this parameter is unspecified, data of 1 hour from <b>EndTime</b> is read by default.</li> </ul> |
| <b>Version</b> | String | No | 2014-11-11 | API version.                                                                                                                               |

### Response parameters

| Parameters        | Type   | Example values                       | Description                                                                       |
|-------------------|--------|--------------------------------------|-----------------------------------------------------------------------------------|
| <b>RequestId</b>  | String | 32DC9806-E9F9-4490-BBDC-B3A9E32FCC1D | The ID of the request.                                                            |
| <b>Data</b>       |        |                                      | Response data.                                                                    |
| <b>LQps</b>       | Float  | 1851.25                              | QPS data.                                                                         |
| <b>LTimeStamp</b> | String | 2018-01-02T11:26:00Z                 | The time stamp.<br>The date format adopts ISO8601 notation and uses the UTC time. |

### Examples

#### Request example

```
https://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeQpsData&
DomainName=www.domainname.com&EndTime=2018-01-02T11%3A05%3A37Z&
IspNameEn=telecom&LocationNameEn=beijingPublic request parameter
```

#### Normal response example

JSON format

```
"Data ":{
  "QpsModel":[
    "Qps":1851.25,
    "TimeStamp":"2018-01-02T11:26:00Z"

    "Qps":8967.7,
    "TimeStamp":"2018-01-02T11:25:00Z"

  ]
}

"RequestId":"32DC9806-E9F9-4490-BBDC-B3A9E32FCC1D"
```

#### Exception response example

JSON format

```
"Code": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.25 DescribeDomainRealTimeReqHitRateData

Obtain the request hit rate of the domain name with 1-minute granularity.

- Data query from the past 7 days is supported, but the time interval between StartTime and EndTime for a single query does not exceed 24 hours.
- When StartTime and EndTime are not specified, the system reads data from the past one hour by default.



### Note:

Because multiple domain names can be stored together, the possibility that the hit rate data is not accurate exists. In case of any inaccuracy, the specific configuration prevails.

### Request parameters

| Parameters | Type   | Required | Example values                       | Description                                                                                                                                                         |
|------------|--------|----------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDomainRealTimeReqHitRateData | The name of this interface. Value : DescribeDomainRealTimeReqHitRateData                                                                                            |
| DomainName | String | Yes.     | test.test.com                        | CDN domain name.                                                                                                                                                    |
| EndTime    | String | No       | 2016-10-20T04:00:00Z                 | End time. <ul style="list-style-type: none"><li>• The date format adopts ISO8601 notation and uses the UTC time.</li><li>• Example: 2016-10-20T04:00:00Z.</li></ul> |

|           |        |    |                      |                                                                                                                                                                         |
|-----------|--------|----|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| StartTime | String | No | 2016-10-20T04:00:00Z | Start time.<br><ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Example: 2016-10-20T04:00:00Z.</li> </ul> |
| Version   | String | No | 2014-11-11           | API version.                                                                                                                                                            |

### Return parameters

| Parameters           | Type   | Example values                       | Description                                                                                                                                                             |
|----------------------|--------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RequestId            | String | 70A26B11-3673-479C-AEA8-E03FC5D3496D | The ID of the request.                                                                                                                                                  |
| Data                 |        |                                      | Returned data.                                                                                                                                                          |
| $\text{LReqHitRate}$ | Float  | 0.8956940476262277                   | Request hit rate data.                                                                                                                                                  |
| $\text{LTimeStamp}$  | String | 2018-01-02T11:25:00Z                 | Time stamp.<br><ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Example: 2016-10-20T04:00:00Z.</li> </ul> |

### Examples

#### Request example

```
https://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeReqHitRateData&DomainName=www.domainname.com&EndTime=2018-01-02T11%3A05%3A37ZPublic
request parameter
```

#### Normal return example

- JSON format

```
"Data":{
  "ReqHitRateModel":[
```

```
"ReqHitRate":0.8956940476262277,
"TimeStamp":"2018-01-02T11:26:00Z"
```

```
"ReqHitRate":0.8429129920796812,
"TimeStamp":"2018-01-02T11:25:00Z"
```

```
"RequestId":"70A26B11-3673-479C-AEA8-E03FC5D3496D"
```

### Exception return example

- JSON format

```
"Code":"InternalError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown
error.",
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 12.26 DescribeDomainSlowRatio

Obtain slow ration of video CDN domain names with 5-minute granularity.

- When StartTime and EndTime are not specified, the system reads data from the past 24 hours by default. Query by specified start time and end time is also supported. The two parameters must be both specified.
- Batch domain name query is not supported.
- Data from the past 30 days can be obtained at most.

### Request parameters

| Parameters | Type   | Required | Example values              | Description                                                                                             |
|------------|--------|----------|-----------------------------|---------------------------------------------------------------------------------------------------------|
| Action     | String | Yes      | DescribeDo<br>mainSlowRatio | The name of this interface. Value : DescribeDo<br>mainSlowRatio                                         |
| DomainName | String | Yes.     | test.test.com               | CDN domain name.                                                                                        |
| EndTime    | String | No       | 2016-10-20T04:<br>00:00Z    | End time. <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and</li> </ul> |

|            |         |    |                      |                                                                                                                                                                                                 |
|------------|---------|----|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |         |    |                      | <p>uses the UTC time.</p> <ul style="list-style-type: none"> <li>The time interval between the start time and end time is less than 30 days.</li> <li>Example: 2016-10-20T04:00:00Z.</li> </ul> |
| PageNumber | Integer | No | 1                    | Page number, starting from 1.                                                                                                                                                                   |
| PageSize   | Integer | No | 20                   | Page size.                                                                                                                                                                                      |
| StartTime  | String  | No | 2016-10-20T04:00:00Z | <p>Start time.</p> <ul style="list-style-type: none"> <li>The date format adopts ISO8601 notation and uses the UTC time.</li> <li>Example: 2016-10-20T04:00:00Z.</li> </ul>                     |
| Version    | String  | No | 2014-11-11           | API version.                                                                                                                                                                                    |

### Return parameters

| Parameters   | Type    | Example values      | Description                                |
|--------------|---------|---------------------|--------------------------------------------|
| EndTime      | String  | 017-09-30T16:00:00Z | End time.                                  |
| DataInterval | Integer | 300                 | Time interval.<br>Units: seconds           |
| PageNumber   | Integer | 1.                  | The current page number, beginning with 1. |
| PageSize     | Integer | 20.                 | Page size.                                 |
| TotalCount   | Integer | 2                   | The total number of slow ratio data.       |

|                          |         |                      |                                |
|--------------------------|---------|----------------------|--------------------------------|
| StartTime                | String  | 017-09-30T16:00:00Z  | Start time.                    |
| SlowRatioDataPerInterval |         |                      | List of slow ratio data.       |
| TotalUsers               | Integer | 15                   | The total number of users.     |
| SlowUsers                | Integer | 3                    | Number of slow users.          |
| SlowRatio                | Float   | 0.2                  | Slow ratio.                    |
| RegionNameZh             | String  | The city of Beijing  | Region information in Chinese. |
| RegionNameEn             | String  | beijing              | Region information in English. |
| IspNameZh                | String  | Unicom               | ISP information in Chinese.    |
| IspNameEn                | String  | unicom               | ISP information in English.    |
| Time                     | String  | 2017-09-30T16:00:00Z | Time.                          |

## Examples

### Request example

```
https://cdn.aliyuncs.com?Action=DescribeDomainSlowRatio&DomainName=&
PageNumber=1&PageSize=20
```

### Normal request example

- JSON format

```
"DataInterval":300,
"EndTime":"2017-09-30T17:00:00Z",
"PageNumber":1,
"PageSize":20,
"SlowRatioDataPerInterval":{
  "SlowRatioData":[
    {
      "IspNameEn":"telecom",
      "IspNameZh":"Telecom",
      "RegionNameEn":"guangdong",
      "RegionNameZh":"Guangdong province",
      "SlowRatio":0.1,
      "SlowUsers":2,
      "Time":"2017-09-30T16:00:00Z",
      "TotalUsers":20
    }
  ]
}
```

```
"IspNameEn": "unicom",  
"IspNameZh": "Unicom",  
"RegionNameEn": "beijing",  
"RegionNameZh": "The city of Beijing",  
"SlowRatio": 0.2,  
"SlowUsers": 3,  
"Time": "2017-09-30T16:00:00Z",  
"TotalUsers": 15
```

```
"StartTime": "2017-09-30T16:00:00Z",  
"TotalCount": 2
```

### Exception return example

- JSON format

```
"Code": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

## 13 API authentication rules

**Use RAM to give a subaccount access to its primary account's CDN resources.**

- When an Alibaba Cloud account activates the CDN service and creates CDN domains, all services and CDN domains are held as resources of this account. By default, accounts have full operation permissions on their resources.
- Alibaba Cloud Resource Access Management (RAM) allows you to grant RAM sub-users the permission to access and manage the resources under your Alibaba Cloud account.
- Make sure that you have read the [RAM product documentation](#) and [API documentation](#) carefully before learning how to use RAM to grant access to CDN resources.
- If you do not need RAM, skip this section.

### CDN authorizable resource type in RAM

Currently, authorizable resource type and description methods in RAM are set out as following table:

| Resource type | Resource descriptions in authorization policy                             | Description                                                                                                     |
|---------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| service       | acs:cdn:*\$accountid:*                                                    | Authorizes subaccounts to manage CDN services, such as changing configuration and querying account information. |
| domain        | acs:cdn:*\$accountid:domain/\$domainName<br>acs:cdn:*\$accountid:domain/* | Authorizes subaccounts to manage their own CDN domains, such as adding, configuring, and querying domain names. |

### CDN API authentication rules when a subaccount requests access to resources of primary CDN account

When a subaccount requests access to resources of primary CDN account through CDN Open APIs, CDN backend sends one corresponding request to RAM to check authority granting, in order to ensure that the resource owner grants the caller access right to relevant resources.

Each different CDN API determines authority of relevant resources according to the involved resources and the semantics of the API. Authentication rules for each API are listed as follows:

| API                          | Authentication rules                      |
|------------------------------|-------------------------------------------|
| OpenCdnService               | acs:cdn::\$accountid:                     |
| DescribeCdnService           | acs:cdn::\$accountid:                     |
| ModifyCdnService             | acs:cdn::\$accountid:                     |
| DescribeUserDomains          | acs:cdn::\$accountid:domain/              |
| DescribeCdnDomainDetail      | acs:cdn:*:\$accountid:domain/\$domainName |
| AddCdnDomain                 | acs:cdn::\$accountid:domain/              |
| StartCdnDomain               | acs:cdn:*:\$accountid:domain/\$domainName |
| StopCdnDomain                | acs:cdn:*:\$accountid:domain/\$domainName |
| DeleteCdnDomain              | acs:cdn:*:\$accountid:domain/\$domainName |
| DescribeDomainConfigs        | acs:cdn:*:\$accountid:domain/\$domainName |
| SetOptimizeConfig            | acs:cdn:*:\$accountid:domain/\$domainName |
| SetPageCompressConfig        | acs:cdn:*:\$accountid:domain/\$domainName |
| SetIgnoreQueryStringConfig   | acs:cdn:*:\$accountid:domain/\$domainName |
| SetRangeConfig               | acs:cdn:*:\$accountid:domain/\$domainName |
| SetVideoSeekConfig           | acs:cdn:*:\$accountid:domain/\$domainName |
| SetSourceHostConfig          | acs:cdn:*:\$accountid:domain/\$domainName |
| SetErrorPageConfig           | acs:cdn:*:\$accountid:domain/\$domainName |
| SetForceRedirectConfig       | acs:cdn:*:\$accountid:domain/\$domainName |
| SetRefererConfig             | acs:cdn:*:\$accountid:domain/\$domainName |
| SetFileCacheExpiredConfig    | acs:cdn:*:\$accountid:domain/\$domainName |
| SetPathCacheExpiredConfig    | acs:cdn:*:\$accountid:domain/\$domainName |
| ModifyFileCacheExpiredConfig | acs:cdn:*:\$accountid:domain/\$domainName |
| ModifyPathCacheExpiredConfig | acs:cdn:*:\$accountid:domain/\$domainName |
| DeleteCacheExpiredConfig     | acs:cdn:*:\$accountid:domain/\$domainName |
| SetReqAuthConfig             | acs:cdn:*:\$accountid:domain/\$domainName |
| SetHTTPHeaderConfig          | acs:cdn:*:\$accountid:domain/\$domainName |
| ModifyHTTPHeaderConfig       | acs:cdn:*:\$accountid:domain/\$domainName |
| Deletehttpheaderconfig       | acs:cdn:*:\$accountid:domain/\$domainName |
| RefreshObjectCaches          | acs:cdn::\$accountid:domain/              |

| API                               | Authentication rules                                                  |
|-----------------------------------|-----------------------------------------------------------------------|
| PushObjectCache                   | acs:cdn::\$accountid:domain/                                          |
| DescribeRefreshTasks              | acs:cdn::\$accountid:domain/                                          |
| DescribeRefreshQuota              | acs:cdn::\$accountid:domain/                                          |
| DescribeLiveStreamsPublishList    | acs:cdn:*\$accountid:domain/\$domainName                              |
| DescribeLiveStreamsOnlineList     | acs:cdn:*\$accountid:domain/\$domainName                              |
| DescribeLiveStreamsBlockList      | ACS: CDN: *: \$ accounts: domain/\$ domainname                        |
| DescribeLiveStreamsControlHistory | acs:cdn:*\$accountid:domain/\$domainName                              |
| Describelivestreamonlineusernum   | acs:cdn:*\$accountid:domain/\$domainName                              |
| ForbidLiveStream                  | acs:cdn:*\$accountid:domain/\$domainName                              |
| ResumeLiveStream                  | acs:cdn:*\$accountid:domain/\$domainName                              |
| SetLiveStreamsNotifyUrlConfig     | acs:cdn:*\$accountid:domain/\$domainName                              |
| DescribeDomainBpsData             | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainFlowData            | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainSrcBpsData          | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainSrcFlowData         | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainHitRateData         | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainQpsData             | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainHttpCodeData        | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainsUsageByDay         | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeTopDomainsByFlow          | acs:cdn::\$accountid:domain/                                          |
| DescribeDomainPvData              | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |

| API                                  | Authentication rules                                                  |
|--------------------------------------|-----------------------------------------------------------------------|
| DescribeDomainUvData                 | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainRegionData             | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainISPData                | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainTopUrlVisit            | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainTopReferVisitl         | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainFileSizeProportionData | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainCCData                 | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeDomainWafData                | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| Describecdndomainlogs                | acs:cdn::\$accountid:domain/ acs:cdn:*\$accountid:domain/\$domainName |
| DescribeIpInfo                       | acs:cdn::\$accountid:domain/                                          |

## 14 Dynamic Route for CDN Interface

### 14.1 SetDynamicConfig

Set the cache rules of Dynamic Route for Content Delivery Network (DCDN).

#### Request parameters

| Parameters          | Type   | Required | Example values      | Description                                                                                                                                                                                                                                          |
|---------------------|--------|----------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action              | String | Yes      | Setdynamicconfig    | The name of this interface. Value : SetDynamic Config                                                                                                                                                                                                |
| DomainName          | String | Yes      | www.yourdomain .com | Your CDN domain name.                                                                                                                                                                                                                                |
| DynamicCacheControl | String | No       | no-cache            | Special header settings. <ul style="list-style-type: none"><li>Depending on the cache-control field in the Header, select whether to accelerate dynamically . Multiple are separated by spaces.</li><li>Example: no-cache no-store private</li></ul> |
| DynamicOrigin       | String | No       | http                | Back-to-source routing scheme, supporting http, https, and follow. When left blank, the default value is http.                                                                                                                                       |
| StaticPath          | String | No       | /img                | Static acceleration PATH. Multiple are                                                                                                                                                                                                               |

|            |        |    |            |                                                                                                                      |
|------------|--------|----|------------|----------------------------------------------------------------------------------------------------------------------|
|            |        |    |            | separated by spaces.<br>Example:<br>#path:/path/to/<br>no_dynamic_route/..<br>one                                    |
| StaticType | String | No | jpg        | Static acceleration file suffix.<br>Example: ..(jpg http txt)\$                                                      |
| StaticUri  | String | No | /img/a.jpg | Static acceleration URI. Multiple are separated by spaces.<br>Example: #uri:/<br>yyy/gggssssssssss<br>/cxxxxcc/a.txt |

### Return parameters

| Parameters | Type   | Example values                       | Description |
|------------|--------|--------------------------------------|-------------|
| RequestId  | String | 16A96B9A-F203-4EC5-8E43-CB92E68F4CD8 | Request ID  |

### Examples

#### Request example

```
http://cdn.aliyuncs.com/?Action=SetDynamicConfig
&DomainName=www.macaron.org.cn
&StaticType=. *\. (jpg|http|txt)$
&StaticUri=/ya/bc
&public request parameters
```

#### Normal return example

- JSON format

```
{
  "RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368"
}
```

#### Exception return example

- JSON format

```
{
  "Code": "InternalServerError",
  "HostId": "cdn.aliyuncs.com",
  "Message": "The request processing has failed due to some unknown error.",
  "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

# 15 Data types

## 15.1 MonitorDataItem Data Type

The MonitorDataItem data type.

### Node Name

MonitorDataItem

### Subnode

| Name              | Type   | Description                            |
|-------------------|--------|----------------------------------------|
| TimeStamp         | String | Current statistics timestamp, UTC time |
| QueryPerSecond    | String | Total QPS size                         |
| Bytesoosecond     | String | Amount of bandwidth                    |
| BytesHitRate      | String | Byte hit rate                          |
| RequestHitRate    | String | Byte hit rate                          |
| AverageObjectSize | String | Average response size (bytes)          |

## 15.2 Domains data type

The Domains data type.

### Node name

Domains

### Subnodes

| Parameters | Type   | Description                                                                                                                                                  |
|------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DomainName | String | CDN domain name                                                                                                                                              |
| Cname      | String | The CNAME corresponding to the CDN domain name.                                                                                                              |
| CdnType    | String | Acceleration business type, value: web: image and small files acceleration, download: large files download acceleration, video: video-on-demand acceleration |

| Parameters   | Type   | Description                                                                                                                            |
|--------------|--------|----------------------------------------------------------------------------------------------------------------------------------------|
| DomainStatus | String | CDN domain name status, value: online: running, offline : stopped, configuring: is configuring, configure_failed: configuration failed |
| GmtCreated   | String | The creation time of CDN domain name.                                                                                                  |
| GmtModified  | String | The modification time of CDN domain name.                                                                                              |

## 15.3 TaskItem data type

The TaskItem data type.

### Node name

TaskItem

### Subnodes

| Parameters   | Type     | Description                                                                                                                                                                        |
|--------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TaskId       | String   | Task id.                                                                                                                                                                           |
| ObjectPath   | String   | Refresh object path                                                                                                                                                                |
| Status       | String   | One of the status Pending   Refreshing   Failed   Complete . Pending: indicates the refresh is starting Refreshing: refreshing Failed: refresh failed Complete: refresh successful |
| CreationTime | DateTime | Task item creation time, UTC time                                                                                                                                                  |

## 15.4 LogDetail Data type

The LogDetail data type.

### Node name

LogDetail

**Subnodes**

| Parameters | Type   | Description                   |
|------------|--------|-------------------------------|
| LogName    | String | Log name                      |
| LogPath    | String | Log download address          |
| LogSize    | Long   | Log size                      |
| StartTime  | String | Log start time, in GMT format |
| EndTime    | String | Log end time, in GMT format   |

# 16 Appendix

## Error code

### Client error

| Error code                  | Error message                                                                                                             | HTTP status code |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------|
| OperationDenied             | Your account does not open CDN service yet.                                                                               | 403              |
| InsufficientBalance         | Your account does not have enough balance.                                                                                | 400              |
| Forbidden.NotVerified       | Your account is not verified yet .                                                                                        | 403              |
| UnsupportedOperation        | The specified action is not supported.                                                                                    | 400              |
| NoSuchVersion               | The specified version does not exist.                                                                                     | 400              |
| UnsupportedParameter        | The parameter <parameter name> is not supported                                                                           | 400              |
| MissingParameter            | The input parameter < parameter name> that is mandatory for processing this request is not supplied.                      | 400              |
| InvalidParameter            | The specified parameter < Parameter Name> is not valid . Or specified image does not support the specified instance type. | 400              |
| Throttling                  | Request was denied due to request throttling.                                                                             | 400              |
| InvalidAccessKeyId.NotFound | The Access Key ID provided does not exist in our records.                                                                 | 404              |
| Forbidden                   | User not authorized to operate on the specified resource.                                                                 | 403              |
| Forbidden.RiskControl       | This operation is forbidden by Aliyun Risk Control system.                                                                | 403              |

| Error code                            | Error message                                                                                                                        | HTTP status code |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Forbidden.AccessTooManyOthersResource | This operator is forbidden because too many other one's resource to be accessed.                                                     | 403              |
| SignatureDoesNotMatch                 | The signature we calculated does not match the one you provided. Please refer to the API reference about authentication for details. | 403              |
| SignatureNonceUsed                    | The request signature nonce has been used.                                                                                           | 400              |
| IdempotentParameterMismatch           | Request uses a client token in a previous request but is not identical to that request.                                              | 400              |
| ChargeTypeViolation                   | Operations on this kind of resources are not permitted.                                                                              | 403              |
| InsufficientBalance                   | Your account does not have enough balance.                                                                                           | 400              |
| QuotaExceeded                         | Living instances quota exceeded.                                                                                                     | 400              |
| OperationDenied                       | Specified operation is denied as your resource is locked for security reasons.                                                       | 403              |
| RiskControl.Refused                   | Your action was refused by RiskControl.                                                                                              | 400              |
| QuotaExceeded.Snapshot                | Snapshot quota exceeded.                                                                                                             | 400              |
| QuotaExceeded.Image                   | Image quota exceeded.                                                                                                                | 400              |

**Server error**

| Error code          | Error message                                                                      | HTTP status code |
|---------------------|------------------------------------------------------------------------------------|------------------|
| InternalServerError | The request processing has failed due to some unknown error, Exception or failure. | 500              |
| ServiceUnavailable  | The request has failed due to a temporary failure of the server.                   | 503              |

## How to call an API

The CDN service interface is called by sending an HTTP request to the CDN server (you can send it through HTTP or HTTPS channels) and receiving the CDN server's response to this request. After the CDN server receives a user request, it must perform authentication and parameter verification on the request. After all verifications are successful, it submits or completes the associated operation based on the parameters specified for the request. Then, it returns the processing results to the caller in the form of HTTP response.

### Request structure

Requests are composed of the following parts:

- HTTP method: all CDN service interfaces only support GET method calls.
- Request URL: the request's service address, name of the operation to be executed, operation parameters, and public request parameters are included in the request URL.
- Server address: the CDN service domain names are `http://cdn.aliyuncs.com/` and `https://cdn.aliyuncs.com/`. In order to ensure the security of the request, we strongly recommend that you use an HTTPS channel. (HTTPS has an added SSL layer for encrypted communications and can prevent communication interception leading to the leakage of sensitive information.)
- Operation name: each interface requires that the name of the operation to be executed be specified, i.e. the Action parameter.
- Operation parameter: different operation parameters must be set for different operations to be executed. For details, see the instructions for each interface.
- Public Request Parameters: parameters such as TimeStamp and Signature must be included in each request.

For the server to correctly verify the user's authentication and authorize request execution, the request must be signed before submission for processing. For signature rules, refer to the signature mechanism section.

After the server finishes processing the request, it will return the response results. Response results are divided into successful results and error messages. For an illustration of the format, refer to the following example for JSON result returned:

```
{
  "RequestId": "4C467B38-3910-447D-87BC-AC049166F216",
  /* Return result data */
}
```

### Invocation example

Take the chain interface as an example:

The corresponding Action is DescribeCdnService. After adding all the common request parameters (except Signature), the request URL will be (for ease of reading, this is the URL before URL encoding):

```
Http://cdn.aliyuncs.com /? Timestamp = MAID: 33: 56z & format = xml
& accesskeyid = testid & Action = fig & Zadar uremethod = glas&
signaturenonce = fig & version = 2013-01-10 & taberureversion = 1.0
```

According to the signing calculation rule, a normalized query string is constructed first, as follows:

```
Http://cdn.aliyuncs.com /? Timestamp = MAID: 33: 56z & format = xml
& accesskeyid = testid & Action = fig & Zadar uremethod = glas&
signaturenonce = fig & version = 2013-01-10 & taberureversion = 1.0
```

Then, StringToSign is constructed as a signature string with a value:

```
GET&%2F&AccessKeyId%3Dtestid%26Action% DescribeCdnService %26Format
%3DXML%26SignatureMethod%3DHMAC-SHA1%26SignatureNonce%3DNwDaxvLU
6tFE0DVb%26SignatureVersion%3D1.0%26TimeStamp%3D2012-12-26T10%253A33%
253A56Z%26Version%3D2013-01-10
```

The following Java sample code demonstrates how to add public request parameters, how to construct the Canonicalized Query String from the request parameters, and how to construct the StringToSign. This example assumes that all request parameters are placed in a Map <String, String> object and the Access Key ID is "testid".

```
final String HTTP_METHOD = "GET";
.....
```

Here, you must note that the TimeStamp parameter must comply with [ISO8601](#). Use UTC time, or it will produce an error. The following sample code demonstrates how to generate a compliant TimeStamp string:

```
private static final String ISO8601_DATE_FORMAT = "yyyy-MM-dd'T'HH:mm:ss'Z'";

private static String formatIso8601Date(Date date) {
    SimpleDateFormat df = new SimpleDateFormat(ISO8601_DATE_FORMAT);
};
    df.setTimeZone(new SimpleTimeZone(0, "GMT"));
    return df.format(date);
}
```

When generating a Canonicalized Query String (the canonicalizedQueryString variable in the example) and StringToSign, both must be encoded. The encoding rules are described in detail in

the signature mechanism section. The following sample code demonstrates how to use the java.net.URLEncoder class for encoding:

```
private static final String ENCODING = "UTF-8";

    private static String percentEncode(String value)
        throws UnsupportedOperationException{
    return value != null ?
        URLEncoder.encode(value, ENCODING).replace("+", "%20")
        .replace("*", "%2A").replace("%7E", "~")
        : null;
    }
```

Assume the Access Key Id in use is "testid", Access Key Secret is "testsecret", and the Key used for HMAC calculation is "testsecret&", the calculated signature value is:

```
SDFQNvyH5rtkc9T5Fwo8D0jw5hc=
```

Sample code for signature calculation (Java):

```
// The following is a sample code for signature calculation
final String ALGORITHM = "HmacSHA1";
final String ENCODING = "UTF-8";
key = "testsecret&";

Mac mac = Mac.getInstance(ALGORITHM);
mac.init(new SecretKeySpec(
    key.getBytes(ENCODING), ALGORITHM));
byte[] signData = mac.doFinal(
    stringToSign.getBytes(ENCODING));

String signature =
    new String(Base64.encodeBase64(signData));
```

After adding the Signature parameter, please perform URL encoding according to the RFC3986 rules and obtain

```
http://cdn.aliyuncs.com/?TimeStamp=2012-12-26T10%3A33%3A56Z&Format=XML
&AccessKeyId=testid&Action=DescribeCdnService &SignatureMethod=HMAC-
SHA1&RegionId=region1&SignatureNonce=NwDaxvLU6tFE0DVb&Version=2012-09-
13&SignatureVersion=1.0&Signature=SDFQNvyH5rtkc9T5Fwo8D0jw5hc%3d
```

Next, send an HTTP request to the above URL for a response to the request from the CDN server, as shown below:

none

By parsing this XML output, you can obtain an ID and LocalName list for all available regions. If, when submitting a request, the specified Format parameter is JSON, then the result will also be returned in the JSON format

### How to ensure idempotence

If a request timeout or internal server error is encountered when calling the CreateInstance interface to create an ECS in the CDN, the client might try to resend the request. At this time, the client can prevent the server from creating more instances than expected by providing the optional ClientToken parameter. Providing this ClientToken parameter will also ensure the idempotence of the request. ClientToken is a unique, case sensitive string generated by the client that cannot exceed 64 ASCII characters.

If a user uses the same ClientToken value to call the CreateInstance interface, the server will return identical request results, including the same InstanceId. Therefore, when the user encounters an error and tries again, by providing the same ClientToken value, he can ensure the CDN only creates one instance and that he obtains this InstanceId.

If the user provides a ClientToken that has already been used, but with different request parameters, the CDN will return the *IdempotentParameterMismatch* error code. However, you must note that the SignatureNonce, TimeStamp, and Signature parameters must be changed when trying to submit the request again. Because the CDN uses SignatureNonce to prevent replay attacks and TimeStamp to mark the time of each request, the duplicate request must provide different SignatureNonce and TimeStamp parameter values. This will also produce a different Signature value.

Generally, clients will only need to retry an operation if they encounter a 500 (InternalServerError) or 503 (ServiceUnAvailable) error or cannot receive a response. When 200 is returned, retrying the operation will give you the same results as the last time, but will not have any effect on the server status. When a 4xx error code is returned, unless the message explicitly says "try it later", retrying the operation will usually not be successful.

### API behavior for accounts in arrears

In the following list, "-" indicates no relation and "Normal Logic" indicates that the interface is executed and result returned based on the interface's normal logic.

#### Accounts in arrears

| Interface              | Behavior  | Description                                |
|------------------------|-----------|--------------------------------------------|
| OpenCdnService         | Normal    |                                            |
| DescribeCdnService     | Normal    | OperationLocks will show a Financial lock. |
| ModifyCdnService       | Exception | Displays InsufficientBalance error code    |
| RefreshObjectCaches    | Exception | Displays InsufficientBalance error code    |
| DescribeRefreshTask    | Normal    |                                            |
| DescribeCdnMonitorData | Normal    |                                            |