

Alibaba Cloud

Alibaba Cloud CDN

API Reference

Issue: 20190122

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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.	 Danger: 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.	 Warning: 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.	 Notice: 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.	 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK .
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 by 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 sting 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 Service operation interface

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

3.2 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: - PayByTraffic - PayByBandwidth
OpeningTime	String	2014-02-28T13:11:49Z	Service subscription time, ISO 8601 time format.

ChangingChargeType	String	PayByTraffic	Start of next billing method. • Paybytraffic • PayByBandwidth
ChangingAffectTime	String	2014-11-27T16:00:00Z	GMT.
OperationLocks			Operation locking status, such as outstanding payment 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"
```

3.3 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. • PayByTraffic • PayByBandwidth 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"
```

4 API Overview

Service Operation Interface

API	Description
OpenCdnService	Activates the CDN service.
DescribeCdnService	Queries the CDN service status. This includes Includes Current billing type, service opening time, next effective billing type, current business status, etc.
ModifyCdnService	Changes the CDN service billing type.

Refresh the preheating Interface

API	Description
Refreshobjectcaches	Refreshes the file content on a node. Refreshes the specified URL content to the Cache node.
PushObjectCache	Actively pushes content from the origin site to the L2 Cache node. Upon first access, users can directly hit cache so as to relieve pressure on the origin site.
Describerefreshtasks	Queries whether or not cache push or refresh statuses have taken effect for the whole site.
DescribeRefreshQuota	Query preheating refresh operation margin

Log Information Interface

API	Description
DescribeCdnDomainLogs	Obtains the download address for the original access log of the specified domain name.
DescribeCustomLogConfig	Query custom log configuration details according to configId.
ModifyDomainCustomLogConfig	Modify custom log configurations under a domain name.
DescribeUserCustomLogConfig	Obtain user's all the custom log congifuration.
ListDomainsByLogConfigId	Query the list of all the domain names using a custom log configuration.

API	Description
ModifyDomainCustomLogConfig	Modify custom log configurations under a domain name.
ModifyUserCustomLogConfig	Modifies the user customized log configuration information.

Configuration Interface

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

API	Description
SetIpBlackListConfig	Set the IP address blacklist of a CDN domain.

Domain Operation Interface

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

Tool Interface

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

Resource Monitoring Interface

API	Description
DescribeDomainBpsData	Obtain the network bandwidth metric data of a CDN domain.
DescribeDomainFlowData	Obtain the network traffic metric data of a CDN domain.

API	Description
DescribeDomainSrcBpsData	Obtain the back-to-source bandwidth metric data of CDN domains.
DescribeDomainSrcFlowData	Obtain the back-to-source traffic metric data on a CDN domain in bits.
DescribeDomainHitRateData	Obtain the bytes hit rate (percentage of hit bytes) of CDN domains.
DescribeDomainReqHitRateData	Obtain the request hit rate (percentage of hit requests) of CDN domain names.
DescribeDomainQpsData	Obtain the times of access to a CDN domain per second. The value is expressed in QPS.
DescribeDomainHttpCodeData	Obtain the HTTP return code proportion of CDN domains. The minimum granularity is 5 minutes.
DescribeDomainsUsageByDay	Obtain the per-day monitoring statistics on a CDN domain.
DescribeTopDomainsByFlow	Obtain the domain names that are ranked by traffic.
DescribeDomainPvData	Obtain the PV page access statistics. The minimum granularity is 1 hour.
DescribeDomainUvData	Obtain the independent UV page access statistics of a CDN domain. The minimum granularity is 1 hour.
DescribeDomainRegionData	Obtain the regional user distribution of CDN domains with day granularity.
DescribeDomainISPData	Obtain the distribution of users and carriers of CDN domain names with day granularity.
Describedomaintopurlvisit	Obtain the popular URL list for a CDN domain name on a specific day.
DescribeDomainTopReferVisit	Obtain the reference times ranking of popular pages for a CDN domain name on a specific day.
DescribeDomainFileSizeProportionData	Obtain the file size shares of a CDN domain name. The minimum granularity is 1 hour.
DescribeCdnRegionAndIsp	Obtain a list of regions and carriers.

API	Description
<i>DescribeDomainBpsDataByTimeStamp</i>	Obtain the bandwidth data of a CDN domain name on different locations and ISPs at specific time. The unit is bit/second.
<i>DescribeDomainMax95BpsData</i>	Obtain the 95th percentile bandwidth metric data of CDN domain names. Unit: bit/second. Unit: bit/second.
<i>DescribeDomainPathData</i>	Obtain metric data of 5 minutes of CDN domain names path level, including traffic and times of accesses.
<i>DescribeL2VipsByDomain</i>	Query the virtual IP address list of an L2 node by the domain name. This interface takes effect after a whitelist is configured.
<i>DescribeRangedatabylocateandispervice</i>	Gets bandwidth data on different locates and ISPs for an accelerated domain name at a certain time.
<i>DescribeDomainRealTimeBpsData</i>	Obtain bandwidth data of domain name with 1-minute granularity.
<i>DescribeDomainRealTimeByteHitRateData</i>	Obtain byte hit rate data of domain names with 1-minute granularity.
<i>DescribeDomainRealTimeQpsData</i>	Obtain Queries per second (QPS) of the domain name for every 1 minute.
<i>DescribeDomainRealTimeReqHitRateData</i>	Obtain the request hit rate of the domain name with 1-minute granularity.
<i>DescribeDomainSlowRatio</i>	Obtain slow ration of video CDN domain names with 5-minute granularity.

Dynamic Route for CDN Interface

API	Description
<i>SetDynamicConfig</i>	Set the cache rules of Dynamic Route for Content Delivery Network (DCDN).

5 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.

6 Log Information Interface

6.1 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
Action	String	Yes	DescribeCdnDomainLogs	The name of this interface. Value: DescribeCdnDomainLogs
DomainName	String	Yes	www.yourdomain.com	Domain name (only supports single query).
EndTime	String	No	2017-12-22T08:00:00:00Z	- End time must be later than start time. - The time interval between start time and end time does not exceed one year. - The date format adopts ISO8601 notation and uses the UTC time. - Example: 2016-10-20T04:00:00Z.

Parameters	Type	Required	Example values	Description
LogDay	String	No	2015-05-24	The day when the log is obtained. • Format: yyyy-MM-dd. • You can specify one of LogDay, StartTime and EndTime. • Default: Same day
PageNumber	Long	No	2	The page number. Range value: any integer larger than 1.
PageSize	Long	No	300	Page size. • Maximum value: 1000 • Range value : any integer between 1 and 1000. • Default value: 300
StartTime	String	No	2017-12-21T08:00:00:00Z	Start time when the log is obtained. • The date format adopts ISO8601 notation and uses the UTC time. • Example: 2016-10-20T04:00:00Z.

Return Parameters

Parameters	Type	Example values	Description
PageNumber	Long	1	The page where the data returns.
PageSize	Long	100	The entire page size.
TotalCount	Long	3	Total number of bars.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.
DomainLogModel			Log model.
LDomainName	String	gc.ggter.com	Domain name.
LDomainLogDetails			The data made up by multiple DomainLogDetail.
LLogPath	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\u003d7Ly4ccKN3afzAGYyWDbxBcOcn2l%3D	The log path.
LStartTime	String	2017-12-21T08:00:00:00Z	Start time.
LEndTime	String	Tes 22t08: 00: 00: 00Z	End Time.
LLogSize	Long	257	The log size.
LLogName	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

```
{
  "DomainLogModel": {
    "DomainName": "example.com",
    "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/example.com/2015_05_23/xxx",
          "LogSize": 257,
          "StartTime": "2015-05-23T03:00:00Z"
        },
        {
          "EndTime": "2015-05-23T08:00:00Z",
          "LogName": "gc.ggter.com_2015_05_23_1500_1600.gz",
          "LogPath": "cdnlog.cn-hangzhou.oss.aliyun-inc.com/example.com/2015_05_23/xxx",
          "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/example.com/2015_05_23/xxx",
          "LogSize": 258,
          "StartTime": "2015-05-23T13:00:00Z"
        }
      ]
    }
  },
  "RequestId": "1805F349-0A2B-41D9-B4AD-33632AFC27F1",
  "PageNumber": 1,
  "TotalCount": 3,
  "PageSize": 100
}
```

6.2 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"
```

6.3 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 http://www.aliyun.com/index.html	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"
```

6.4 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"
```

6.5 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	ListDomain sByLogConfigId	The name of this interface. Value: ListDomain sByLogConfigId
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-44E2A208A2 49	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"
```

6.6 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"
```

6.7 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"}
```

7 Configuration Interfaces

7.1 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.
^L CacheExpiredConfigs			File and path expiration configuration.
^L ConfigId	String	604991	Configuration ID.
^L CacheType	String	suffix	Suffix/path.
^L CacheContent	String	jpeg	File type/path.
^L TTL	String	1000	Cache time. Unit: seconds.
^L Weight	String	1	SeqID.
^L Status	String	success	Configuration status.
^L Httperrorpageconfigs			Error page redirection.
^L ConfigId	String	23	Configuration ID.
^L ErrorCode	String	501	Error code.
^L PageUrl	String	http://test.com/501.html	Redirection page.
^L Status	String	success	Configuration status.
^L HTTPHeaderConfigs			Configure response header (visible at the browser end).
^L ConfigId	String	602016	Configuration ID.
^L HeaderKey	String	content-type	Response header supports parameters of any content.

e	LHeaderValu	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.
gin	LDynamicOri	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 (^configurat ion content\$). If you only want to close dynamic acceleration, use slash (/) or space . Example: /1 .py.
Hu HU L dynamiccac hecontrol	String	no-cache	When Cache-Control content matches any rules of cofiguration, the dynamic accelerati on is opened. And other configuration is not checked. Example: no-cache no -store.
LStatus	String	success	Configuration status.
LReqHeaderC 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	http://promotion.alicdn.com/help/oss/error.html	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	Cashed 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. 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	Acdbert	Authentication keyB.
LStatus	String	success	Configuration status.
LAliAuthWhitelistList	String	test	Authentication whitelist.
LAuthM3u8	String	on	Enable m3u8 content rewriting function: (on off).
LAuthAddr	String	http://test.com/test	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	http://test.com	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.

ult	LProcessRes	String	0	0: Configuration succeeds. 1: mobile acceleration SDK configuration and submission failed. 2: mobile acceleration scheduling node failed. 3: mobile acceleration node configuration failed. 4: mobile acceleration certificate generation failed. 5: system error.
	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.
	LAliBusinessConfig			Custom for specific users.
	LAliBusinessTable	String	abc	Module string.
	LAliBusinessType	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.
UseXFF	String	on	- on: preferentially use the ip in xff header. - off: preferentially use remote_addr. - all: both match.
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":{
"Applist": "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":"InternalError",
  "HostId":"cdn.aliyuncs.com",
  "Message":"The request processing has failed due to some unknown error.",
  "RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

7.2 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. 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. 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"
```

7.3 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. 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"
```

7.4 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 - On: indicates all the parameters are retained in the process of back-to-source. - Off: indicates being disabled.
-------------	--------	----	----	--

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"
```

7.5 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"
```

7.6 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"
```

7.7 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"
```

7.8 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. Value: • default: default page • charity: public welfare page • other: custom page
CustomPageUrl	String	No	http://www.macaron.org.cn/404/notfound.html	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"
```

7.9 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	SetForceRe directConfig	The name of this interface. Value : SetForceRe directConfig
DomainName	String	Yes.	www.macaron. org.cn	Your CDN domain name.

RedirectType	String	Yes.	Off	Force redirect type. Value: - Off - Http - Https
--------------	--------	------	-----	--

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

7.10 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: - block: blacklist - allow: whitelist
AllowEmpty	String	No	on	Whether to allow access with a blank referer. Value: - on: allowed - off: not allowed Default value: on
DisableAst	String	No	off	Whether CDN domain name is matched exactly. Value: - on: exact match, not automatically match the sub-domain-name. - off: fuzzy match, automatically match the sub-domain-name. 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"
```

7.11 SetFileCacheExpiredConfig

Set file expiration configuration.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	SetFileCacheExpiredConfig	The name of this interface. 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. Unit: seconds
Weight	String	No	22	Weight of the configuration. Value range: 1-99 . A greater value indicates a higher priority. 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"
```

7.12 SetPathCacheExpiredConfig

Modify directory expiration configuration.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	Setpathcac heexpiredconfig	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. Unit: seconds
Weight	String	No	22	Weight of the configuration. Value range: 1-99 . A greater value indicates a higher priority. 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"
```

7.13 ModifyFileCacheExpiredConfig

Modify file expiration settings.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	Modifyfile cacheexpir edconfig	The name of this interface. Value: ModifyFile CacheExpir edConfig
CacheContent	String	Yes.	jpg, png	Filename suffixes , which are separated by commas (,).
ConfigID	String	Yes.	905535	Configuration ID to be modified.
DomainName	String	Yes.	www.yourdomain .com	Your CDN domain name.
TTL.	String	Yes.	600	Cache time configuration. Unit: seconds

Weight	String	No	22	Weight of the configuration. Value range: 1-99 . A greater value indicates a higher priority. 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=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"
```

7.14 ModifyPathCacheExpiredConfig

You can modify the path cache policy by 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
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 CacheContent value is invalid because it is in incorrect format.
InvalidWeight. ValueNotSupported	The specified value of parameter Weight is not supported.	400	The specified Weight is invalid because it is out of the valid range.

7.15 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: • suffix: filename suffix. • path: path. Directory and complete path are supported.
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"
```

7.16 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 . Value: • "no_auth": disabled • "type_a": Method A • "type_b": Method B • "type_c": Method C • "type_d": Method D • "type_e": Method E
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"
```

7.17 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: - Content-Type - Cache-control - Content-Disposition - Content-language - Expires - Access-control-allow-Origin - Step 4: Parameters configuration Access-Control-Allow-Methods: - Access-control-allow-headers - Access-control-max-age - Access-control-expose-headers - Access-control-allow-Credentials
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"
```

7.18 ModifyHttpHeaderConfig

Modify custom HTTP headers.

Request parameters

Parameters	Type	Required	Example values	Description
Action	String	Yes	ModifyHttpHeaderConfig	The name of this interface. 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: • content-type • cache-control • content-disposition • content-language • expires • access-control-allow-origin • access-control-allow-methods • access-control-max-age
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": "InternalError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

7.19 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. 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"
```

7.20 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 : - on: enabled - off: disabled Default value: off, disabled
CertName	String	No	myCert1	Certificate Name.

PrivateKey	String	No	XXXXXXXX	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.
ForceSet	String	No	1	When you set to 1, ignore the repeated verification for certificate name, and cover the information of the origin certificate (with the same 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=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": "InternalServerError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

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

8 Domain Operation Interface

8.1 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	Require	Example values	Description
Action	String	Yes.	AddCdnDomain	Operation name of this interface. Value: AddCdnDomain
CdnType	String	Yes	web	The CDN domain business type. Scope of value: • web: distribution of images and small files. • download: acceleration of large file downloads • video: acceleration of video and audio on demand. • liveStream:: acceleration of live streaming media.
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
OwnerAccount	String	No	your OwnerAccount	OwnerAccount.
Priorities	String	No	20	Priorities, separated by comma, and the number is consistent with sources.
Region	String	No	cn-shanghai	Unit information of live domain name.
ResourceGroupId	String	No	your resourceGroupId	ID of the resource group.
Scope	String	No	domestic	Scope of value: • domestic • overseas • global Default value: domestic. The setting is effective for international users, domestic users of level 3 or above.
SourcePort	String	No	80	You can specify Port 443 and 80. Default value: 80. 443 port performs https source. OSS does not support 443 port.
SourceType	String	No	domain	Source type. Scope of value: • ipaddr:IP source site. • domain:source site of domain name. • oss:oss is the source site.  Note: If you select the business type of live streaming media acceleration, the source site type and information is not required.

Name	Type	Require	Example values	Description
Sources	String	No	www.yourdomain.com	Source address,, which can be IP or domain name. - Supporting at most 10 IP addresses, separated by commas. - You can only enter one domain name, and you cannot enter IP and domain names simultaneously. - 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).
TopLevelDomain	String	否	www.yourTopLevelDomain	Top-level scheduling domain.

Response parameters

Name	Type	Example value	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	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"}
```

8.2 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
Action	String	Yes	DescribeUserDomains	The name of this interface. Value: DescribeUserDomains
CdnType	String	No	web	CDN business type, separated by comma.
CheckDomainShow	Boolean	No	true	Whether the domain name at the checking status is shown.
DomainName	String	No	www.yourdomain.com	Domain name fuzzy match filtering.

Parameters	Type	Required	Example values	Description
Domainsearchtype	String	No	fuzzy_match	Domain name search type: - fuzzy_match: fuzzy match - pre_match: pre-match - suf_match: suf-match - full_match: fully match Default: puzzling y_match
DomainStatus	String	No	online	The domain name status filtering.
FuncFilter	String	No	config	Filtering, supports config and unconfig. - config indicates funcid is activated, - and unconfig indicates the funcid is not activated.
Funcid	String	No	98	funcid, such as the picture porn-detection function 98.
PageNumber	Integer	No	1	The page number . Range value: 1~100000

Parameters	Type	Required	Example values	Description
PageSize	Integer	No	20	The page size. Range value: random integer between 1 and 50 . Maximum: 50 Default value: 20Default: 20
ResourceGroupID	String	No	Your maid	Resource group ID.
Sources	String	No	a.b.com	Query according to the return source address.

Search according to the source address.

Parameters	Type	Example values	Description
RequestId	String	AA75AADB-5E25-4970-B480-EAA1F5658483	The ID of the request.
PageNumber	Long	1	The page number of the return data.
PageSize	Long	5	The size of the whole page.
TotalCount	Long	16	The total number.
Domains			The total number.
LDomainName	String	onlytest.cdnpe.com	The CDN domain name.
LCname	String	onlytest.cdnpe.com.w.alikunlun.net	The CNAME corresponding to the CDN domain name.

Parameters	Type	Example values	Description
LCdnType	String	video	Acceleration business type. Value range: - web: acceleration of images and small files - download: acceleration of large file downloads - video: acceleration of audio and video on demand - livestream: acceleration of live streaming media - httpsdelivery: HTTPS security acceleration
LDomainStatus	String	online	CDN domain name status. Value: - online: activating - offline: deactivating - configuring: configuring - configure_failed: configuration failed - checking: checking - check_failed: checking failed
LGmtCreated	String	2015-10-28T09:31:59Z	The creation time of CDN domain name.
LGmtModified	String	2015-10-28T11:05:50Z	The modification time of CDN domain name.
LDescription	String	Audit Failed	The reason of checking failure.
LResourceGroupId	String	abcd1234abcd1234	The resource group ID.
LSourceType	String	oss	The source site type.
LSSLProtocol	String	on	Switch.

Parameters	Type	Example values	Description
LSandbox	String	N/A	Sandbox.
LSources	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"
```

8.3 DescribeCdnDomainDetail

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

Request parameters

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

Return Parameters

Parameters	Type	Example values	Description
RequestId	String	15C66C7B-671A-4297-9187-2C4477247A74	Requestid.
GetDomainDetailModel			Domain name details.
LGmtCreated	String	2015-06-25T03:30:50Z	Creation time.

Parameters	Type	Example values	Description
LGmtModified	String	2017-06-25T03:30:50Z	Recent modification time.
L SourceType	String	domain	Source site type. Value meaning: - ipaddr indicates IP source site. - domain indicates domain name source site. - oss indicates the specified OSS Bucket is the source site.
LDomainStatus	String	online	The domain name status.
LSourcePort	Integer	80	The source port number.
LCdnType	String	web	The business type of CDN domain name. Value meaning: - web: the acceleration of images and small files. - download: acceleration of large file downloads. - video: the acceleration of the audio and video on demand. - liveStream: the acceleration of the live streaming media.

Parameters	Type	Example values	Description
LCname	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.
LHttpsCname	String	yourdomain.com. alikulun.com	Activate the CNAME domain name of the https.
Doubledomainname	String	yourdomain.com	Domain name.
LDescription	String	The live domain name.	Note.
LServerCertificateStatus	String	on	Whether the ssl certificate is activated. - on indicates the certificate is activated. - off indicates the certificate is deactivated.
LServerCertificate	String	-----BEGIN CERTIFICATE -----\nMlxxxxxxx xx8LDVT2o=\n----- END Certificate ---	If activated, this is the certificate public key.
LRegion	String	cn-hangzhou	The unit information of the live domain name.
LScope	String	domestic	Region.
LCertificateName	String	Certificate 1	The name of the certificate.
LResourceGroupId	String	abcd1234abcd1234	The resource group ID .
LSourceModels			The source site information.
LContent	String	test.com	Source site address.

Parameters	Type	Example values	Description
LType	String	domain	The source site type. Value: - ipaddr: IP source site. - domain: the domain name source site. - oss: OSS Bucket is the source site.
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"
```

8.4 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.

Name	Type	Required	Example	Description
SourceType	String	No	domain	The source site type. Value: • ipaddr: IP source site. • domain: domain name source site. • oss: OSS Bucket is the source site (inner common : public source).  Note: If you select the business type of live streaming media acceleration, the source site and information are not required.

Name	Type	Required	Example	Description
Sources	String	No	Yourdomain.com	Source address, which can be IP or domain name. • IP or domain name supports up to 20 addresses , which are separated by comma. • IP and domain name cannot be both entered. • 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).

Name	Type	Required	Example	Description
TopLevelDomain	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
RequestId	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"
```

8.5 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"
```

8.6 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
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"
```

8.7 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 want 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	DeleteCdnD omain	The name of this interface. Value: DeleteCdnD omain

Name	Type	Required	Example values	Description
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&Public request parameter
```

Normal return example

- JSON format

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

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"
```

8.8 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
Action	String	Yes	DescribeDomainsBySource	The name of this interface. Value: DescribeDomainsBySource
Sources	String	Yes	aaa.source.com	Source site. Multiple source sites are separated by comma.

Return Parameters

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

Parameters	Type	Example values	Description
LDomains	String	b1.com	Returns the list of domain name corresponding to a domain name, in the ormat of a list consisting of domainNames.
LDomainInfos			Returns the domain detailed informatio n, in th format of a list consisting of domainInfo.
LDomainName	String	Returns the domain detailed informatio n, in the format of a list consisting of domainInfo.	Domain name.
LStatus	String	online	The status of the domain name.
LCreateTime	String	2016-07-12T11:53:19+08:00	Creation time
LUpdateTime	String	2017-03-31T04:49:00+08:00	The update time.
LDomainCname	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"

```

9 Tool interface

9.1 DescribelpInfo

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. Value: DescribelpInfo
IP	String	Yes.	Specified IP address . 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
```

10 Resource Monitoring Interface

10.1 DescribeDomainBpsData

Obtain the network bandwidth metric data of a CDN domain. 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. 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	DescribeDomainBpsData	The name of this interface. Value : DescribeDomainBpsData
DomainName	String	No	test.test.com	• If the parameter is left blank, the system returns the combined data of all CDN domains by default. • You can enter CDN domains to be queried. • Batch domain name query is supported . Multiple domain names are separated by commas (half width).

DomainType	String	No	dynamic	Query type. - If the parameter is set to "dynamic", the system queries the real-time bandwidth of dynamic and static resources during full-site acceleration. - If the parameter is left blank, the system queries the real-time bandwidth of static resources.
EndTime	String	No	2015-12-10T20:00Z	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.
FixTimeGap	String	No	false	Whether zero-padding is performed.

Interval	String	No	300	Time granularity of data query. 300s, 3600s, 14400s, 28800s and 86400s are supported. - When the parameter is left blank or when the value is not supported, the default value 300 seconds is used.
IspNameEn	String	No	telecom	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. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes. - If this parameter is unspecified, data from the past 24 hours is read by default.
TimeMerge	String	No	on	Value range: - on: default value, indicating that the interval of each record can be merged based on the time span. - off: data of 5-min-granularity is returned, and the maximum time span is 31 days.

Return parameters

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

RequestId	String	3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F	Request ID
Domainname	String	test.test.com	Your CDN domain name.
DataInterval	String	300	The interval rule needs to be supplemented. Interval of each record . The unit is seconds.
StartTime	String	2015-12-10T20:00Z	Start time.
End time.	String	2015-12-10T20:00Z	End time.
LocationNameEn	String	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.
IspNameEn	String	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.
LocationName	String	The city of Beijing.	Region name.
IspName	String	unicom	Carrier name.
BpsDataPerInterval			Network bandwidth data of each interval.
LTimeStamp	String	2015-12-10T20:00:00Z	Start time of a time slice.
LValue	String	11288111	bps data value. Unit: bit/second

LDomesticValue	String	11286111	Bandwidth bps in China. This value is blank when it is queried by regional carrier.
LOverseasValue	String	2000	Bandwidth bps outside China. This value is blank when it is queried by regional carrier.
LDynamicValue	String	0	Dynamic bps data value during full-site acceleration. Unit: bit/second
LDynamicDomesticValue	String	0	Station-wide acceleration, domestic Bandwidth Dynamic BPS, this value is empty when querying by regional operator.
LDynamicOverseasValue	String	0	Bandwidth dynamic bps outside China during full-site acceleration. This value is blank when it is queried by regional carrier.
LStaticValue	String	0	Static bps data value during full-site acceleration. Unit: bit/second
LStaticDomesticValue	String	0	Bandwidth static bps in China during full-site acceleration. This value is blank when it is queried by regional carrier.

LStaticOverseasValue	String	0	Bandwidth static bps outside China during full-site acceleration . This value is blank when it is queried by regional carrier.
LL2Value	String	0	L2 bps data value. Unit: bit/second
LDomesticL2Value	String	0	L2 bandwidth bps in China. This value is blank when it is queried by regional carrier.
LOverseasL2Value	String	0	L2 bandwidth bps outside China. This value is blank when it is queried by regional carrier.
SupplyBpsDatas			Supplement the reference data of real-time bandwidth from the past 30 minutes, which may not exist.
LTimeStamp	String	2015-12-10T20:00:00Z	Start time of a time slice
LValue	String	11288111	bps data value. Unit: bit/second

Examples

Request example

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

Normal return example

- JSON format

```
"BpsDataPerInterval":{
  "DataModule":[
```

```

    "DomesticL2Value": "0",
    "DomesticValue": "11286111",
    "DynamicDomesticValue": "0",
    "DynamicOverseasValue": "0",
    "DynamicValue": "0",
    "L2Value": "0",
    "OverseasL2Value": "0",
    "OverseasValue": "2000",
    "StaticDomesticValue": "0",
    "StaticOverseasValue": "0",
    "StaticValue": "0",
    "TimeStamp": "2015-12-10T20:00:00Z",
    "Value": "11288111"

```

```

    "DomesticL2Value": "0",
    "DomesticValue": "12112821",
    "DynamicDomesticValue": "0",
    "DynamicOverseasValue": "0",
    "DynamicValue": "0",
    "L2Value": "0",
    "OverseasL2Value": "0",
    "OverseasValue": "12000",
    "StaticDomesticValue": "0",
    "StaticOverseasValue": "0",
    "StaticValue": "0",
    "TimeStamp": "2015-12-10T20:05:00Z",
    "Value": "12124821"

```

```

    "DataInterval": "300",
    "DomainName": "test.com",
    "EndTime": "2015-12-10T21:00Z",
    "RequestId": "3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F",
    "StartTime": "2015-12-10T20:00Z",
    "SupplyBpsDatas": {
        "DataModule": [
            {
                "TimeStamp": "2015-12-10T20:05:00Z",
                "Value": "12124821"
            },
            {
                "TimeStamp": "2015-12-10T20:06:00Z",
                "Value": "12144838"
            }
        ]
    }

```

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"
```

10.2 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	• If the parameter is left blank, the system returns the combined data of all CDN domains by default. • You can enter CDN domains to be queried. • Batch domain name query is supported . Multiple domain names are separated by commas (half width).

DomainType	String	No	dynamic	Query type. - If the parameter is set to "dynamic", the system queries the real-time traffic of dynamic and static resources during full-site acceleration. - If the parameter is left blank, the system queries the real-time traffic of static resources.
EndTime	String	No	2017-12-22T08:00:00:00Z	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.
FixTimeGap	String	No	false	Whether zero-padding is performed.

Interval	String	No	300	- Time granularity of data query . 300s, 3600s , 14400s, 28800s and 86400s are supported. - When the parameter 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	2017-12-21T08:00:00:00Z	Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes. - If this parameter is unspecified, data from the past 24 hours is read by default.
TimeMerge	String	No	on	Value range: - on: default value, indicating that the interval of each record can be merged based on the time span. - off: data of 5-min-granularity is returned, and the maximum time span is 31 days.

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.
^L TimeStamp	String	2017-12-22T08:00:00:00Z	Start time of a time slice.
^L Value	String	423304182	Total traffic.
^L DomesticValue	String	0	Traffic in China.
^L OverseasValue	String	0	Traffic outside China.
^L DynamicValue	String	0	Dynamic traffic during full-site acceleration . The value is blank when it is queried by regional carrier.
^L DynamicDomesticValue	String	0	Dynamic traffic in China during full-site acceleration. The value is blank when it is queried by regional carrier.
^L DynamicOverseasValue	String	0	Dynamic traffic outside China during full-site acceleration. The value is blank when it is queried by regional carrier.
^L StaticValue	String	0	Static traffic during full-site acceleration. The value is blank when it is queried by regional carrier.

StaticDomesticValue	String	0	Static traffic in China during full-site acceleration. The value is blank when it is queried by regional carrier.
StaticOverseasValue	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": "2015-12-10T20:00:00Z",
        "Value": "423304182"
      }
    ]
  }
}
```

```

"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"

```

10.3 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	- If the parameter is left blank, the system returns the combined data of all CDN domains by default. - You can enter CDN domains to be queried. - Batch domain name query is supported . Multiple domain names are separated by commas (half width).
EndTime	String	No	2017-12-12T20:00Z	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.
FixTimeGap	String	No	false	Zero-padding is performed during download.
Interval	String	No	300	Time interval.

StartTime	String	No	2017-12-10T20:00Z	- Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes. - If this parameter is unspecified, data from the past 24 hours is read by default.
TimeMerge	String	No	on	Value range: - on: default value, indicating that the interval of each record can be merged based on the time span. - off: data of 5-min-granularity is returned, and the maximum time span is 31 days.
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": "InternalError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error .",
```

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

10.4 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	DescribeDomainSrcFlowData	The name of this interface. Value : DescribeDomainSrcFlowData
DomainName	String	No	www.yourdomain.com	• If the parameter is left blank, the system returns the combined data of all CDN domains by default. • You can enter CDN domains to be queried. • Batch domain name query is supported . Multiple domain names are separated by commas (half width).

EndTime	String	No	2017-12-22T08:00:00:00Z	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.
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	- Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes. - If this parameter is unspecified, data from the past 24 hours is read by default.
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": "InternalError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",
```

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

10.5 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	DescribeDomainHitRateData	The name of this interface. Value : DescribeDomainHitRateData
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	2017-12-22T08:00:00:00Z	• The end time must be later than the start time. • The date format adopts ISO8601 notation and uses the UTC time. • Format: YYYY-MM-DDThh:mmZ.
Interval	String	No	300	• Time granularity of data query. • 300s, 3600s, 14400s, 28800s and 86400s are supported. • When the parameter is left blank or when the value is not supported, the default value 300 seconds is used.

StartTime	String	No	2017-12-21T08:00:00:00Z	- Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes. - If this parameter is unspecified, data from the past 24 hours is read by default.
TimeMerge	String	No	on	Value range: - on: default value, indicating that the interval of each record can be merged based on the time span. - off: data of 5-min-granularity is returned, and the maximum time 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"
```

10.6 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	2017-12-22T08:00:00:00Z	• The end time must be later than the start time. • The date format adopts ISO8601 notation and uses the UTC time. • Format: YYYY-MM-DDThh:mmZ.
Interval	String	No	300	• Time granularity of data query. • 300s, 3600s, 14400s, 28800s and 86400s are supported. • When the parameter is left blank or when the value is not supported, the default value 300 seconds is used.

StartTime	String	No	2017-12-21T08:00:00:00Z	- Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ - Minimum data granularity: 5 minutes. - If this parameter is unspecified, data from the past 24 hours is read by default.
-----------	--------	----	-------------------------	---

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"
}
```

10.7 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	DescribeDo mainQpsData	The name of this interface. Value : DescribeDo mainQpsData

DomainName	String	No	test.test.com	- If the parameter is left blank, the system returns the combined data of all CDN domains by default. - You can enter CDN domains to be queried. - Batch domain name query is supported . Multiple domain names are separated by commas (half width).
DomainType	String	No	dynamic	Query type. - If the parameter is set to " dynamic", the system queries the QPS of dynamic resources during full-site acceleration. - If the parameter is left blank, the system queries the QPS of static resources.

EndTime	String	No	2015-12-10T21:00Z	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.
FixTimeGap	String	No	false	Zero-padding.
Interval	String	No	300	Time granularity of data query. 300s, 3600s, 14400s, 28800s and 86400s are supported. - When the parameter 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. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes.
TimeMerge	String	No	on	Time range: - on: default value, indicating that the interval of each record can be merged based on the time span. - off: data of 5-min-granularity is returned, and the maximum time span is 31 days.

Return parameters

Parameters	Type	Example values	Description
RequestId	String	B8333EDB-4595-46E0- -AFE9-29BAA290D0 E0	The ID of the request.
DomainName	String	test.test.com	- If the parameter is left blank, the system returns the combined data of all CDN domains by default. - You can enter CDN domains to be queried. - Batch domain name query is supported. Multiple domain names are separated by 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.
^L TimeStamp	String	2015-12-10T21:00:00Z	Start time of a time slice.
^L Value	String	0	Total QPS.
^L DomesticValue	String	0	QPS in China.
^L OverseasValue	String	0	QPS outside China.
^L AccValue	String	0	Total times of access.
^L AccDomesti cValue	String	0	Times of access in China.

LAccOverseasValue	String	0	Times of access outside China.
LDynamicValue	String	0	Dynamic QPS data value during full-site acceleration.
LDynamicDomesticValue	String	0	Bandwidth dynamic QPS in China during full-site acceleration . The value is blank when it is queried by regional carrier.
LDynamicOverseasValue	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": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

10.8 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. Batch query is supported. Multiple domain names are separated by commas (half width).

EndTime	String	No	2015-11-30T05:40Z	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.
Interval	String	No	300	Time granularity of data query. 300s, 3600s, 14400s, 28800s and 86400s are supported. - When the parameter 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	2015-11-30T05:33Z	Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes.
TimeMerge	String	No	on	Value range: - on: default value, indicating that the interval of each record can be merged based on the time span. - off: data of 5-min-granularity is returned, and the maximum time span is 31 days.

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

10.9 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	2017-12-22T08:00:00:00Z	- The end time must be later than the start time. - Beijing Time is adopted. - Format: YYYY-MM-DD.
StartTime	String	No	2017-12-21T08:00:00:00Z	- Start time of data query. - Beijing Time is adopted. - Format: YYYY-MM-DD.

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	1.074791278000001E8	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"
```

10.10 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 pDomainsByFlow	The name of this interface. Value : DescribeTo pDomainsByFlow
EndTime	String	No	2017-12-22T08:00:00:00Z	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.

Limit	Long	No	20	Limit on the number of obtained domain names. Value range: 1~100 Default value: 20
StartTime	String	No	2017-12-21T08:00:00:00Z	- Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes. - If this parameter is left blank, the interface reads data from the current month by default.

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.
^L DomainName	String	test.test.com	Domain name.
^L Rank	Long	1	Ranking.

LTotalTraffic	String	2043859876683.9001	Total flow.
LTrafficPercent	String	30.64191989360235	Traffic proportion.
LMaxBps	Long	22139626	Peak bandwidth.
LMaxBpsTime	String	1457111400	Peak bandwidth time.
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": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

10.11 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	• The end time must be later than the start time. • The date format adopts ISO8601 notation and uses the UTC time. • Format: YYYY-MM-DDThh:mmZ.

StartTime	String	No	2015-11-28	- Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - The minimum data granularity is 1 hour. - If this parameter is left blank, data from the past 24 hours is 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. 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"
```

10.12 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	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.
StartTime	String	No	2015-11-29	Start time of data query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ - The minimum data granularity is 1 hour. - If this parameter is left blank, data from the past 24 hours is read by default.

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"
```

10.13 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 mainRegionData	The name of this interface. Value : DescribeDo mainRegionData

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, the system queries all domain names.
EndTime	String	No	2016-03-13	- The end time must be later than the start time, and adopts Beijing time. - Format: YYYY-MM-DD.
StartTime	String	No	2016-03-13	Start time of data query, and Beijing time is adopted. - Format is: YYYY-MM-DD. - If this parameter is unspecified, data from the past 24 hours is read by default.

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	0.01155980271270037	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. Unit: byte.
LAvgResponseTime	String	5183.666666666667	Average response time. 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	5.9523809523809524E-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. Unit: byte/second.
LTotalBytes	String	2400057	Total traffic.

LBytesProportion	String	0.0035441810 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": "0.0190277777777778",
"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"

```

10.14 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	DescribeDo mainISPData	The name of this interface. Value : DescribeDo mainISPData
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	• The end time must be later than the start time, and adopts Beijing time. • Format: YYYY-MM-DD.

startTime	String	No	2015-12-05	- Start time of data query, and adopts Beijing time. - Format: YYYY-MM-DD. - If this parameter is unspecified, data from the past 24 hours is read by default.
-----------	--------	----	------------	--

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

10.15 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. - Supports traf and pv. - Default value: pv
StartTime	String	No	2015-12-03	Start time of data query, and adopts Beijing time. - Format: YYYY-MM-DD. - If this parameter is unspecified, data from the past 24 hours is read by default.

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	Http://test.com/nn_live/nn_x64/a0.m3u8	Complete URL.
LVisitData	String	161673	Times of access.
LVisitProportion	Float	0.35	Access proportion.
LFlow	String	460486880	Traffic. Unit: byte
LFlowProportion	Float	0.35	Traffic proportion.
Url200List			Returned URL list in 2xx format.

LUriDetail	String	http://test.com/nn_live/nn_x64/aWQ9SE5KU0bGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8	Complete URL.
LVisitData	String	161673	Times of access.
LVisitProportion	Float	0.35	Access proportion.
LFlow	String	460486880	Traffic. Unit: byte
LFlowProportion	Float	0.35	Traffic proportion.
Url300List			Returned URL list in 3xx format.
LUriDetail	String	http://test.com/nn_live/nn_x64/a0.m3u8	Complete URL.
LVisitData	String	161673	Times of access.
LVisitProportion	Float	0.35	Access proportion.
LFlow	String	460486880	Traffic. Unit: byte
LFlowProportion	Float	0.35	Traffic proportion.
Url400List			Returned URL list in 4xx format.
LUriDetail	String	http://test.com/nn_live/nn_x64/aWQ9SE5KU01QUhbGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8	Complete URL.
LVisitData	String	1884	Times of access.
LVisitProportion	Float	0.35	Access accounts.
LFlow	String	460486880	Traffic. Unit: byte
LFlowProportion	Float	0.35	Traffic proportion.
Url500List			Returned URL list in 5xx format.

LUrlDetail	String	http://test.com/nn_live/nn_x64/aWQ9SE5KU0GNfbGI2ZQ,,/HNJSMPP360.m3u8	Complete URL.
LVisitData	String	161673	Times of access.
LVisitProportion	Float	0.35	Access proportion.
LFlow	String	460486880	Traffic. 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

        "Url500List": {
            "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"
```

10.16 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. • Supports traf and pv. • Default value: pv

StartTime	String	No	2017-12-21T08:00:00:00Z	Start time of data query, and adopts Beijing time. - Format: YYYY-MM-DD. - If this parameter is unspecified, data from the past 24 hours is read by default.
-----------	--------	----	-------------------------	--

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. 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"
```

10.17 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 mainFileSi zeProportionData	The name of this interface. Value : DescribeDo mainFileSi 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	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.

StartTime	String	No	2015-11-30T01:33Z	Start time of data query. - The date format adopts ISO8601 notation and adopts the UTC time. - Format: YYYY-MM-DDThh:mmZ. - The minimum data granularity is 1 hour. - If this parameter is unspecified, data from the past 24 hours is read by default.
-----------	--------	----	-------------------	---

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.

L Timestamp	String	2015-11-30T03:00:00Z	Start time of a time slice.
L Value			Data list of file size proportion.
L FileSize	String	<50K	File size.
L 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": "InternalServerError",
    "HostId": "cdn.aliyuncs.com",
    "Message": "The request processing has failed due to some unknown error.",

```

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

10.18 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": "Jelin ",
"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"

```

10.19 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. 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. Location names are obtained using the DescribeCdnRegionAndIsp interface.

TimePoint	String	Yes.	2016-08-01T22:00Z	Target time point of query. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes.
-----------	--------	------	-------------------	--

Return parameters

Parameters	Type	Example values	Description
DomainName	String	abc.cn	CDN domain name.
BpsDataList			The bps value corresponding to each Locate and ISP.
LocationName	String	Liaoning	Node name.
IspName	String	unicom	ISP name.
Bps	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":"InternalError",
"HostId":"cdn.aliyuncs.com",
"Message":"The request processing has failed due to some unknown error.",
"RequestId":"16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

10.20 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	DescribeDo mainMax95B psData	The system sets parameters . Value: DescribeDo mainMax95B psData
DomainName	String	No	www.yourdomain .com	If the parameter is left blank, the system returns the combined data of all CDN domain names by default. • You can enter CDN domain names to be queried. • Batch domain name query is supported . Multiple domain names are separated by commas (half width).

EndTime	String	No	2017-12-22T08:00:00:00Z	- The end time must be later than the start time. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ.
StartTime	String	No	2017-12-21T08:00:00:00Z	Gets the starting point of the data. - The date format adopts ISO8601 notation and uses the UTC time. - Format: YYYY-MM-DDThh:mmZ. - Minimum data granularity: 5 minutes. - If this parameter is left blank, data from the past 24 hours is read by default.

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"
```

10.21 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	DescribeDomainPathData	The name of this interface. Value : DescribeDomainPathData
DomainName	String	Yes.	test.test.com	CDN domain name.
EndTime	String	No	2016-10-20T04:00:00Z	End time. • Date is in ISO8601 format, and must use UTC time. • Start and end time, with an interval of less than 30 days. • Example: 2016-10-20T04:00:00Z.

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 (/). - If this parameter is left blank, all the paths are queried. - If the path is directory, it must end with virgule (/).
StartTime	String	No	2016-10-20T04:00:00Z	Start time. - Date is in ISO8601 format, and must use UTC time. - For example : 2016-10-20T04:00:00Z.
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. Units: seconds
TotalCount	Integer	2	The total number of path bandwidth data.
PathDataPerInterval			The list of path bandwidth data.
└Traffic	Integer	346	Traffic (B).
└Acc	Integer	10	Times of accesses.
└Path	String	/path/	Path.
└Time	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": "InternalServerError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

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

10.23 Describerangedatabylocateandispervice

Gets bandwidth data on different locates and ISPs for an accelerated domain name at a certain time, in the following units: bit/second.

- Batch domain name queries are not supported.
- The time is accurate to 5 minutes of granularity.

Request parameters

Name	Type	Must I choose?	Instance Value	Description
------	------	----------------	----------------	-------------

Action	String	Yes	Describe and display service	The system sets parameters. Value: Describe and display service
Endtime	String	Yes.	Test 2018-08-01 00:00:00Z	End Time. - Date is in ISO8601 format, and must use UTC time. - Format: YYYY-MM-DDThh:mmZ.
StartTime	String	Yes.	2016-08-01T22:00Z	Start time. - The date format follows the iso8601 representation and uses UTC time. - Format: yyyy-mm-ddthh:mmz. - The minimum data granularity is 5 minutes.
Domainnames	String	No	Abc.com	The domain name to query cannot be empty.
Ispnames	String	No	Unicom, Telecom	You need to query the target ISP list, separated by ';', and cannot be empty. The ISP name is obtained by the main interface.

Locationnames	String	No	Liaoning, Guangxi	You need to query the target area list, separated by ',' and cannot be empty. The location name is obtained through the maid interface.
---------------	--------	----	----------------------	--

Response parameters

Parameters	Type	Example values	Description
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.
Jsonresult	String	{1505973300: {Sudan : {Other: {http_codes ": {"000": 0, "200": 6, "400": 0 }, "RT": 4183 , "Bandwidth": 46639, "avg_speed": 7773, "PV": 6, "hit_rate": 0.93 , "request_hit_rate ": 0 .66 }}}	Returns result in JSON format.

Examples

Request example

```
Http://cdn.aliyuncs.com? Action = fig & domainnames = abc.com
& Locationnames = liaining, Guangxi
& Isnames = Unicom, Telecom
& StartTime = 2016-08-01T22: 00Z
& Endtime = MAID: 00Z
&CommonParameters
```

Example of normal return

Exception return example

- JSON format

```
"Code": "internalerror ",
"Hostid": "maid ",
```

```
"Message:" The request processing has failed due to some unknown
error .",
"Requestid": "maid"
```

10.24 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. • The date format adopts ISO8601 notation and uses the UTC time. • Example: 2016-10-20T04:00:00Z. • If this parameter is left blank, data of one hour from StartTime is queried by default.

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	Start time. - The date format adopts ISO8601 notation and uses the UTC time. - Example: 2016-10-20T04:00:00Z. - If this parameter is left blank, data of one hour from EndTime is queried by default.
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. Unit: bit/second
LTimeStamp	String	2018-01-02T11: 04: 00Z	Time stamp. - The date format follows the iso8601 representation and uses UTC time. - For example: 2016-10-20t04: 00: 00Z.

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":"InternalError",
"HostId":"cdn.aliyuncs.com",
```

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

10.25 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. - The date format adopts ISO8601 notation and uses the UTC time. - Example: 2016-10-20T04:00:00Z. - If this parameter is left blank, data of one hour from StartTime is read by default.
StartTime	String	No	2016-10-20T04:00:00Z	Start time. - The date format adopts ISO8601 notation and uses the UTC time. - Example: 2016-10-20T04:00:00Z. - If this parameter is left blank, data of one hour from the End time is read by default.
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.
ByteHitRate	Float	0.8956940476262277	Byte hit rate data.
TimeStamp	String	2016-10-20T04:00:00Z	The time stamp of data. - The date format adopts ISO8601 notation and uses the UTC time. - Example: 2016-10-20T04:00:00Z.

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"
```

10.26 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
Action	String	Yes	DescribeDomainRealTimeQpsData	The name of this interface. Value: DescribeDomainRealTimeQpsData
DomainName	String	Yes.	test.test.com	CDN domain name.
EndTime	String	No	2016-10-20T04:00:00Z	End time. • The date format adopts ISO8601 notation and uses the UTC time. • If the parameter is left blank, the data of 1 hour from EndTime is read by default.
IspNameEn	String	No	telecom	ISP name, obtained by using the DescribeCdnRegionAndIsp interface. If this parameter is left blank, the system responses names of all operators.
LocationNameEn	String	No	beijing	Region name in English, obtained by using the DescribeCdnRegionAndIsp interface. If the parameter is left blank, the system responses names of all regions.

StartTime	String	No	2016-10-20T04:00:00Z	Start time. - The date format adopts ISO8601 notation and uses the UTC time. - If this parameter is unspecified, data of 1 hour from EndTime is read by default.
Version	String	No	2014-11-11	API version.

Response parameters

Parameters	Type	Example values	Description
RequestId	String	32DC9806-E9F9-4490-BBDC-B3A9E32FCC1D	The ID of the request.
Data			Response data.
LQps	Float	1851.25	QPS data.
LTimeStamp	String	2018-01-02T11:26:00Z	The time stamp. 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"
```

10.27 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. • The date format adopts ISO8601 notation and uses the UTC time. • Example: 2016-10-20T04:00:00Z.

StartTime	String	No	2016-10-20T04:00:00Z	Start time. - The date format adopts ISO8601 notation and uses the UTC time. - Example: 2016-10-20T04:00:00Z.
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.
└ReqHitRate	Float	0.8956940476262277	Request hit rate data.
└TimeStamp	String	2018-01-02T11:25:00Z	Time stamp. - The date format adopts ISO8601 notation and uses the UTC time. - Example: 2016-10-20T04:00:00Z.

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

10.28 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 mainSlowRatio	The name of this interface. Value : DescribeDo mainSlowRatio
DomainName	String	Yes.	test.test.com	CDN domain name.

EndTime	String	No	2016-10-20T04:00:00Z	End time. - The date format adopts ISO8601 notation and uses the UTC time. - The time interval between the start time and end time is less than 30 days. - Example: 2016-10-20T04:00:00Z.
PageNumber	Integer	No	1	Page number, starting from 1.
PageSize	Integer	No	20	Page size.
StartTime	String	No	2016-10-20T04:00:00Z	Start time. - The date format adopts ISO8601 notation and uses the UTC time. - Example: 2016-10-20T04:00:00Z.
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. 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.
^L TotalUsers	Integer	15	The total number of users.
^L SlowUsers	Integer	3	Number of slow users.
^L SlowRatio	Float	0.2	Slow ratio.
^L RegionNameZh	String	The city of Beijing	Region information in Chinese.
^L RegionNameEn	String	beijing	Region information in English.
^L IspNameZh	String	Unicom	ISP information in Chinese.
^L IspNameEn	String	unicom	ISP information in English.
^L 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"
```

11 Dynamic Route for CDN Interface

11.1 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. - Depending on the cache-control field in the Header, select whether to accelerate dynamically . Multiple are separated by spaces. - Example: no-cache no-store private
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 on PATH. Multiple are separated by spaces. Example: #path:/path/to/no_dynamic_route/..one
StaticType	String	No	jpg	Static acceleration on file suffix. Example: ..(jpg htmp txt)\$
StaticUri	String	No	/img/a.jpg	Static acceleration on URI. Multiple are separated by spaces. Example: #uri:/yyy/gggssssssss/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|htmp|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"
}
```

12 Refresh the preheating Interface

12.1 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
Action	String	Yes	RefreshObjectCaches	The name of this interface. Value: RefreshObjectCaches
ObjectPath	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).
ObjectType	String	No	File	Optional, the refresh type. The value can be File or Directory. Default value: File.

Return Parameters

Parameters	Type	Example values	Description
RefreshtaskId	String	704222904	Refresh returned task ID, multiple task IDs are separated by comma (Half angle).
RequestId	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"
```

12.2 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
Action	String	Yes	PushObjectCache	The name of this interface. Value: PushObjectCacheValue:
ObjectPath	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
PushTaskId	String	95248880	The ID returned by the pushing task, multiple task IDs are separated by comma (Half angle).
RequestId	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": "InternalError",  
"HostId": "cdn.aliyuncs.com",  
"Message": "The request processing has failed due to some unknown  
error.",  
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

12.3 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
Action	String	Yes	DescribeRe freshTasks	The name of this interface. Value: DescribeRe freshTasks
DomainName	String	No	www.yourdomain .com	The domain name.
EndTime	String	No	2017-12-22T08: 00:00:00Z	The end time, the format is 2017-01-01T12:12:20Z.
ObjectPath	String	No	http:// aaa.com/1.txt	Query through an object path with exact match.

Parameters	Type	Required	Example values	Description
ObjectType	String	No	file	The task type. - file - path - preload When the DomainName or TaskStatus is specified, the task type is required.
PageNumber	Integer	No	1	Page number. Value range: 1~100000 Scope of value: 1 ~ 100000
PageSize	Integer	No	20	Paging size. Maximum: 50. Value range: random integer between 1 and 50. Default value: 20
ResourceGroupId	String	No	Your maid	The resource group ID.
StartTime	String	No	2017-12-21T08:00:00Z	The start time, the format is 2017-01-01T12:12:20Z.
Status	String	No	Complete	The task status. - Complete - Refreshing - Failed
TaskId	String	No	1234321	Query refresh status by task ID.

Return Parameters

Parameters	Type	Example values	Description
Tasks			The task list consisting of TaskItem.

Parameters	Type	Example values	Description
LTaskId	String	704225667	The task ID.
LObjectPath	String	http://aaa.com/1.txt	Refresh the object path.
LStatus	String	Complete	Status. Value: - Complete - Refreshing - Failed - Pending
LProcess	String	100%	Process percentage.
LObjectType	String	File	Task type. - file - path - preload
LCreationTime	String	2014-11-27T08: 23: 22Z	Task object creation time, in UTC time.
LDescription	String	Internal Error	Returned error description when push and refresh failed, currently including three errors: - Internal Error - Origin timeout - Origin Return StatusCode 5XX
PageSize	Long	1	The whole page size.
Pagenumber	Long	10	The page number.
TotalCount	Long	2	The total number of items.
RequestId	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": "InternalError",
"HostId": "cdn.aliyuncs.com",
"Message": "The request processing has failed due to some unknown error.",
"RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
```

12.4 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
Action	String	Yes	DescribeRefreshQuota	The name of this interface. Value: DescribeRefreshQuota

Returns Parameters

Parameters	Type	Example values	Description
RequestId	String	42E0554B-80F4-4921-AED6-ACFB22CAAA D0	The ID of the request.
UrlQuota	String	2000	Maximum number of times of refreshing URLs.
DirQuota	String	100	Maximum number of times of refreshing directories.
UrlRemain	String	1996	Remaining number of times of refreshing URLs on the current day.
DirRemain	String	99	The amount of directory refresh remaining on the day.
Remaining number of times of refreshing directories on the current day	String	500	The maximum number of times of refreshing on the current day.
PreloadRemain	String	400	The remaining number of times of refreshing on the current day.
BlockQuota	String	300	The maximum number of times of block.

Parameters	Type	Example values	Description
blockRemain	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"
```

13 RAM Resource Authorization

13.1 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/\$domainNameacs: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

API	Authentication rules
RefreshObjectCaches	acs:cdn::\$accountid:domain/
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 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 required 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 AlibabaCloud 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 may 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 outstanding payment

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 outstanding payment

Interface	Behavior	Description
<code>OpenCdnService</code>	Normal	
<code>DescribeCdnService</code>	Normal	<code>OperationLocks</code> will show a Financial lock.

Interface	Behavior	Description
ModifyCdnService	Exception	Displays InsufficientBalance error code
RefreshObjectCaches	Exception	Displays InsufficientBalance error code
DescribeRefreshTask	Normal	
DescribeCdnMonitorData	Normal	

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.

Parameters	Type	Description
CdnType	String	Acceleration business type, value: web: image and small files acceleration, download: large files download acceleration, video: video-on-demand acceleration
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