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CDN

New API Reference

Document Version: 20220208

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Document conventions

Style	Description	Example
Danger	A danger notice 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.
Warning	A warning notice 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 restart an instance.
Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	**Notice:** If the weight is set to 0, the server no longer receives new requests.
Note	A note indicates supplemental instructions, best practices, tips, and other content.	**Note:** You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click **Settings**> **Network**> **Set network type**.
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	Click **OK**.
`Courier font`	Courier font is used for commands	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig [-all|-t]`
{} or {a|b}	This format is used for a required value, where only one item can be selected.	`switch {active|stand}`

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1.Introduction to the API

Alibaba Cloud provides a wide array of API operations available for use in Alibaba Cloud Content Delivery Network (CDN).

Before you call the Alibaba Cloud CDN API, make sure that you have read and understand the product introduction, terms of service, and billing rules. For more information, see What is Alibaba Cloud CDN? and Billing of basic services.

The latest version of the Alibaba Cloud CDN API is 2018-05-10.

For more information, see List of operations by function.

> **Note** The earlier version (2014-11-11) of the Alibaba Cloud CDN API is no longer maintained. We recommend that you use the latest version of the Alibaba Cloud CDN API.

In June 2021, Alibaba Cloud will discontinue API operations that have not been called within the last two months. If you have questions, submit ticket. List of API operations:

- DescribeDomainRealTimeSrcDetailData
- DescribeCdnDomainBillingData
- DescribeCurrentCharge95Info
- DescribeDomainQoSRt
- DescribeDomainRealTimeMetric
- DescribeDomainLogConfig
- DescribeUserCustomLogConfig
- DescribeDomainsByCustomLogConfig
- DescribeHistoryCharge95Info

For more information, see Appendix.

2.Differences between the earlier and latest CDN API versions

This topic describes the differences between the earlier and latest Alibaba Cloud CDN API versions.

For more information, see List of operations by function.

> **Note** The earlier version (2014-11-11) of the Alibaba Cloud CDN API is no longer maintained. We recommend that you use the latest version of the Alibaba Cloud CDN API.

Changes to the opertaions

Operation name (earlier version)	Change
• DescribeDomainBpsData • DescribeDomainHitRateData • DescribeDomainHttpCodeData • DescribeDomainQpsData	• The time format is changed from YYYY-MM-DDThh:mmZ to yyyy-MM-ddTHH:mm:ssZ. • The fixTimeGap and timeMerge parameters are removed. • The parameters that specify static and dynamic resources are removed.
AddCdnDomain	The following parameters are removed: • SourceType • SourcePort • Priorities • Region
ModifyCdnDomain	• The SourceType, SourcePort, and Priorities parameters are removed. • The format of the Sources parameter is changed to [{"content":"10.10.10.10","type":"ipaddr","priority":"20","port":80}]
DescribeCdnDomainDetail	• The SourceType, Sources, SourcePort, and Region response parameters are removed. • Descriptions are added for the Description, Scope, and CertificateName response parameters.

Operation name (earlier version)	Change

DescribeDomainBpsData	• The time range for data query is changed from the last 90 days to a custom time range within the last 90 days.
	• The DomainType request parameter is removed.
	• The description for the Interval request parameter is changed. In the earlier version, you can set the time range to 300, 3600, 14400, 28800, or 86400 in seconds. If you do not set this parameter or the specified value is invalid, the default value 300 is used. In the latest version:
	  ○ Valid values are 300, 3600, and 86400.
	  ○ If you do not set the parameter or the specified value is invalid, the default value is used. For a time range that does not exceed 3 days, the default value is 300 seconds. For a time range that exceeds 3 days, the default value is 3600 seconds. For a time range that exceeds 30 days, the default value is 86400 seconds.
	• Descriptions are added for the LocationNameEn and IspNameEn response parameters.
	• The description for the SupplyBpsDatas response parameter is removed.

DescribeCdnDomainLogs	• The time format is changed from YYYY-MM-DDThh:mmZ to yyyy-MM-ddTHH:mm:ssZ. • The LogDay request parameter is removed. • The model of response parameters is adjusted.
DeleteSpecificConfig	The FunctionName parameter is removed.
DescribeUserDomains	• The SourceType response parameter is removed. • The Sources request parameter is removed. • The format of the Sources response parameter is adjusted.
DescribeDomainRegionData	• The time format is changed from YYYY-MM-DDThh:mmZ to yyyy-MM-ddTHH:mm:ssZ. • The maximum time range for data query is changed from the last 90 days to 90 days. • The ByteHitRate, ReqErrRate, and ReqHitRate response parameters are removed.
DescribeDomainPvData	• The time format is changed from YYYY-MM-DDThh:mmZ to yyyy-MM-ddTHH:mm:ssZ. • The DomainName request parameter is changed from optional to required.

Operation name (earlier version)	Change
• DescribeDomainMax95BpsData • DescribeDomainsUsageByDay • DescribeDomainReqHitRateData • DescribeTopDomainsByFlow	• The time format is changed from YYYY-MM-DDThh:mmZ to yyyy-MM-ddTHH:mm:ssZ. • The maximum time range for data query is changed from the last 90 days to 90 days.
• DescribeDomainTopReferVisit • DescribeDomainTopUrlVisit	The DomainName request parameter is changed from optional to required.

3.Make API requests

To send an Alibaba Cloud Content Delivery Network (CDN) API request, you must send an HTTP GET request to the Alibaba Cloud CDN endpoint. You must add the request parameters that correspond to the API operation that you want to call. After you call the API, the system returns a response.

Request syntax

Alibaba Cloud CDN API operations use the RPC protocol. You can call Alibaba Cloud CDN API operations by sending HTTP GET requests. Alibaba Cloud CDN supports both HTTP and HTTPS requests. For data security, we recommend that you send HTTPS requests. The request and response are encoded in UTF-8. Request syntax:

```
https://Endpoint/?Action=xx&Version=xx&Parameters
```

- Endpoint: the endpoint of the Alibaba Cloud CDN API is cdn.aliyuncs.com.
- Action: the name of the operation that you want to perform. For example, to add a domain name to Alibaba Cloud CDN, you must set the Action parameter to AddCdnDomain.
- Version: the version of the Alibaba Cloud CDN API. Set the value to 2018-05-10.
- Parameters: the request parameters for the operation. Separate multiple parameters with ampersands (`&`). Request parameters include both common request parameters and operation-specific parameters. Common request parameters include the API version number, authentication information, and other information. For more information, see Common request parameters.

The following example demonstrates how to call the StartCdnDomain operation in Alibaba Cloud CDN.

> **Note** The following code has been formatted to improve readability.

```
http://example.aliyundoc.com?Action=StartCdnDomain
&DomainName=example.com
&Format=XML
&AccessKeyId=xxx
&SignatureMethod=HMAC-SHA1
&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0ad82fd6cf
&Version=2018-05-10
&SignatureVersion=1.0
...
```

Request signatures

Alibaba Cloud CDN uses the request signature to verify the identity of the API caller. You must sign all API requests whether they are sent over HTTP or HTTPS. For more information about how signatures are calculated, see Signature method.

Alibaba Cloud CDN implements symmetric encryption with an AccessKey pair to verify the identity of the request sender. An AccessKey pair consists of an `AccessKey ID` and an `AccessKey secret` . An AccessKey pair is an identity credential issued to Alibaba Cloud accounts and Resource Access Management (RAM) users that is similar to a pair of logon username and password.

> **Note**
> - The `AccessKey ID` is used to verify the identity of the user.
> - The `AccessKey secret` is used to encrypt and verify the signature string. You must keep your AccessKey secret strictly confidential.

You can create an AccessKey pair for an Alibaba Cloud account or a RAM user. When you call the Alibaba Cloud CDN API, you must use your AccessKey pair to complete identity verification. If the AccessKey pair of your Alibaba Cloud account is leaked, all your resources may be compromised. We recommend that you call API operations as a RAM user to minimize the risk of leaking your AccessKey pair. For more information, see Obtain an AccessKey pair.

The following example demonstrates how to call the StartCdnDomain operation. The `AccessKeyId` parameter is set to `testid` and the `AccessKeySecret` parameter is set to `testsecret`. The request URL to be signed is:

```
http://example.aliyundoc.com?Action=StartCdnDomain&DomainName=example.com
&Format=XML
&AccessKeyId=testid
&SignatureMethod=HMAC-SHA1
&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0ad82fd6cf
&SignatureVersion=1.0
```

The signature string calculated by using `testsecret&`:

```
YGOjauEr2WSn6scXDxc9X0DKwsM=
```

Add the Signature parameter to the request and set the value to the calculated signature string. The URL of the signed request is:

```
http://example.aliyundoc.com?Action=StartCdnDomain&DomainName=example.com
&Format=XML
&AccessKeyId=testid
&SignatureMethod=HMAC-SHA1
&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0ad82fd6cf
&SignatureVersion=1.0
&Signature=YGOjauEr2WSn6scXDxc9X0DKwsM=
```

Alibaba Cloud CDN provides the following sample code for signature calculation:

- Python
- Java

4.Common request parameters

Common parameters include common request parameters and common response parameters. To send an Alibaba Cloud Content Delivery Network (CDN) API request, you must send an HTTP GET request to the Alibaba Cloud CDN endpoint. You must add the request parameters that correspond to the API operation being called. After you call the API, the system returns a response.

Common request parameters

Note The following code has been formatted to improve readability.

Parameter	Type	Required	Description
Format	String	No	The format in which to return the response. Valid values: JSON and XML. Default value: XML.
Version	String	Yes	The version number of the API. Specify the version number in the YYYY-MM-DD format. Set the value to 2018-05-10.
AccessKeyId	String	Yes	The AccessKey ID provided to you by Alibaba Cloud.
Signature	String	Yes	The signature string of the current request. For more information, see Signature method.
SignatureMethod	String	Yes	The encryption method of the signature string. Set the value to HMAC-SHA1.
Timestamp	String	Yes	The timestamp of the request. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. Example: 2018-05-10T12:00:00Z, which represents 20:00:00 on Thursday, May 10, 2018 (UTC+8).
SignatureVersion	String	Yes	The version of the signature encryption algorithm. Set the value to 1.0.
SignatureNonce	String	Yes	A unique, random number used to prevent replay attacks. You must use different numbers for different requests.

Sample requests

```
https://cdn.aliyuncs.com/?Format=xml
&Version=2018-05-10
&Signature=Pc5WB8gokVn0xfeu%2FZV%2BiNM1dgI%3D
&SignatureMethod=HMAC-SHA1
&SignatureNonce=15215528852396&SignatureVersion=1.0
&AccessKeyId=key-test
&Timestamp=2018-05-10T12:00:00Z
```

Common response parameters

API responses use the HTTP response format where a 2XX status code indicates a successful call and a 4XX or 5XX status code indicates a failed call. Responses can be returned in either the JSON or XML format. You can specify the response format in the request. The default response format is XML.

Every response returns a unique RequestID regardless of whether the call is successful.

Sample responses in XML format

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

Sample responses in JSON format

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

A 4xx or 5xx status code indicates a failed call. The request ID, host ID, error code, and error message are returned to you.

You can troubleshoot the error based on the error code. For more information, see Error codes. Alternatively, you can submit a ticket and provide additional inputs such as the host ID and request ID to request technical support from Alibaba Cloud.

Sample responses in XML format

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

Sample responses in JSON format

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

5.RAM authorization

Before you call the Alibaba Cloud Content Delivery Network (CDN) API as a Resource Access Management (RAM) user, make sure that you are granted the required permissions by the Alibaba Cloud account. In a permission policy, you must use an Alibaba Cloud Resource Name (ARN) to specify the resource that the RAM user is allowed to access. This topic describes how to define a resource or an API operation in a permission policy.

By default, you can use your Alibaba Cloud account or a RAM user to manage your CDN resources in the CDN console or by calling API operations. Specific permissions are required in the following scenarios:

- A newly created RAM user does not have permissions to manage the CDN resources that belong to your Alibaba Cloud account.
- Before you can manage a resource, you must be granted the required permissions on the resource and the relevant API operations by the resource owner.

When another Alibaba Cloud account attempts to access CDN resources that belong to your Alibaba Cloud account by calling API operations, Alibaba Cloud CDN instructs RAM to check whether the Alibaba Cloud account has the required permissions. Required permissions vary based on the requested CDN resources and API operations. For more information about how to grant permissions, see the RAM documents and API references.

For more information about how to manage Alibaba Cloud CDN as a RAM user, see Manage Alibaba Cloud CDN as a RAM user.

For more information about how to use RAM to create custom permission policies for Alibaba Cloud CDN, see Use RAM to manage CDN permissions.

For more information about how to authorize a RAM user to prefetch and refresh resources, see Authorize a RAM user to prefetch and refresh resources.

Supported resources

The following table describes the CDN resources that can be defined in permission policies.

> **Note** $accountid represents the ID of the Alibaba Cloud account. You can use an asterisk (*) to specify all account IDs.

Resource type	Syntax	Description
service	acs:cdn:*:$accountid:*	Authorizes RAM users to manage the CDN service, for example, to change the specifications and query account information.

Resource type	Syntax	Description
domain	acs:cdn:*:$accountid:domain/$domainName	Authorizes RAM users to manage accelerated domain names, for example, to add, configure, and query domain names. $domainName specifies a specific domain name. You can use an asterisk (*) in the expression to specify a wildcard domain name, such as *.aliyun.com. You can append an asterisk (*) to the end of the expression, such as acs:cdn:*:$accountid:domain/*, to specify all domain names.
	acs:cdn:*:$accountid:domain/*	

Supported CDN API operations

The following table describes the API operations of Alibaba Cloud CDN that can be defined in permission policies.

API operation	Syntax
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:*:$accountid:domain/*
	acs:cdn:*:$accountid:domain/$domainName
StartCdnDomain	acs:cdn:*:$accountid:domain/$domainName
StopCdnDomain	acs:cdn:*:$accountid:domain/$domainName
DeleteCdnDomain	acs:cdn:*:$accountid:domain/$domainName
RefreshObjectCaches	acs:cdn:*:$accountid:domain/$domainName
PushObjectCache	acs:cdn:*:$accountid:domain/$domainName
DescribeRefreshTasks	acs:cdn:*:$accountid:domain/*
DescribeRefreshQuota	acs:cdn:*:$accountid:domain/*
ForbidLiveStream	acs:cdn:*:$accountid:domain/$domainName
	acs:cdn:*:$accountid:domain/*
DescribeDomainBpsData	

DescribeDomainBpsData API operation	Syntax
	acs:cdn:*:$accountid:domain/$domainName
DescribeDomainSrcBpsData	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/$domainName
DescribeDomainUvData	acs:cdn:*:$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/$domainName
DescribeDomainFileSizeProportionData	acs:cdn:*:$accountid:domain/*
	acs:cdn:*:$accountid:domain/$domainName
DescribeCdnDomainLogs	acs:cdn:*:$accountid:domain/*
	acs:cdn:*:$accountid:domain/$domainName

API operation	Syntax
DescribeIpInfo	acs:cdn:*:$accountid:domain/*

6.Signature method

This topic describes how requests are signed. You must sign all HTTP or HTTPS API requests to ensure security. Alibaba Cloud uses the request signature to verify the identity of the request sender. Alibaba Cloud Content Delivery Network (CDN) implements symmetric encryption with an AccessKey pair to verify the identity of the request sender. An AccessKey pair consists of an AccessKey ID and an AccessKey secret.

AccessKey descriptions

You can obtain the AccessKey ID and AccessKey secret on the AccessKey Management page in the Alibaba Cloud Management Console. The AccessKey ID is used to verify the identity of the user, while the AccessKey secret is used to encrypt and verify the signature string. You must keep your AccessKey secret strictly confidential.

For more information, see Create and obtain an AccessKey pair.

Procedure

1. Create a canonicalized query string.
   i. Arrange the request parameters (including Common request parameters and operation-specific parameters except Signature) in alphabetical order.

      > **Note** If you use the GET method to send a request, the request parameters are included as a part of the request URL. The first parameter follows the question mark (`?`) in the URL and the other parameters follow an ampersand (`&`).

   ii. Encode the canonicalized query string in UTF-8 based on RFC 3986.
      - Uppercase letters, lowercase letters, digits, and some special characters such as hyphens (`-`), underscores (`_`), periods (`.`), and tildes (`~`) do not need to be encoded.
      - Other characters must be percent encoded in `%XY` format. `XY` represents the ASCII code of the characters in hexadecimal notation.

        For example, double quotation marks (") are encoded as `%22`.
      - Extended UTF-8 characters are encoded in `%XY%ZA...` format.
      - Spaces must be encoded as `%20`. Do not encode spaces as plus signs (+). The preceding encoding method is slightly different from the *application/x-www-form-urlencoded* MIME-type encoding algorithm. If you use `java.net.URLEncoder` in the Java standard library, use `percentEncode` to encode request parameters and their values. In the encoded query string, replace the plus sign (+) with `%20`, the asterisk (*) with `%2A`, and `%7E` with a tilde (~). This way, you can obtain an encoded string that matches the preceding encoding rules.

   iii. Use an equal sign (=) to concatenate each encoded request parameter and its value.
   iv. Use an ampersand (&) to concatenate the encoded request parameters. Note that these parameters must be arranged in the same order as those in Step 1.
2. Create a string-to-sign.

i. Create a string-to-sign (Signature) from the encoded canonicalized query string.

   You can also use percentEncode to encode the canonicalized query string created in the previous step. Perform the following steps to create a string-to-sign:

```
StringToSign=
HTTPMethod + "&" + // HTTPMethod: HTTP method used to make the request, such as GET
.
percentEncode ("/") + "&" + //percentEncode("/"): encode backslashes (/) as %2F.
percentEncode(CanonicalizedQueryString) // encode the canonicalized query string cr
eated in Step 1.
```

ii. Calculate the HMAC value of the string-to-sign by using the AccessKey secret as the key.

   Calculate the hash-based message authentication code (HMAC) value of the string-to-sign based on RFC 2104.

   > **Note** Use the Secure Hash Algorithm 1 (SHA1) algorithm to calculate the HMAC value of the string-to-sign. The AccessKey secret appended with an ampersand (`&`) (ASCII: 38) is used as the key for the HMAC calculation.

iii. Obtain the signature string.

   Encode the HMAC value in Base64 to obtain the signature string (Signature).

iv. Add the signature string to the request.

   Add the signature string to the request as the Signature parameter. The result is the signed API request.

   > **Note** The signature string is submitted to the server based on RFC 3986.

7.Create and obtain an AccessKey pair

This topic describes how to create and obtain an AccessKey pair for an Alibaba Cloud account or a Resource Access Management (RAM) user. When you call the Alibaba Cloud Content Delivery Network (CDN) API, you must use the AccessKey pair to complete identity verification.

An AccessKey pair consists of an AccessKey ID and an AccessKey secret.

- The AccessKey ID is used to verify the identity of the user.
- The AccessKey secret is used to encrypt and verify the signature string. You must keep your AccessKey secret strictly confidential.

> **Warning** If the AccessKey pair of your Alibaba Cloud account is leaked, the security of all your resources will be compromised. We recommend that you use the AccessKey pair of a RAM user to call API operations. This minimizes the risks of leaking the AccessKey pair of your Alibaba Cloud account.

For more information, see Obtain an AccessKey pair.

8.List of operations by function

The following tables describe API operations available for use in Alibaba Cloud CDN.

Monitoring and usage analytics

Category	API operation	Description
Resource monitoring	DescribeDomainSrcQpsData	Queries the number of back-to-origin requests per second of one or more accelerated domain names.
	DescribeDomainBpsDataByLayer	Queries the bandwidth information about domain names by protocol.
	DescribeDomainPathData	Queries monitoring data including the amount of network traffic and the number of visits by directory. Monitoring data is collected every 5 minutes.
	DescribeDomainHttpCodeDataByLayer	Queries HTTP status codes by protocol.
	DescribeDomainSrcDetailData	Queries the information about back-to-origin routing for one or more accelerated domain names. Data is collected every 5 minutes. You can query data within the last seven days.
	DescribeDomainReqHitRateData	Queries the request hit ratios of one or more accelerated domain names. Request hit ratios are measured in percentage. You can query data within the last 90 days.
	DescribeDomainHttpCodeData	Queries the total number and proportions of HTTP status codes returned from one or more accelerated domain names. You can query data within the last 90 days.
	DescribeDomainTrafficData	Queries the monitoring data of network traffic for one or more accelerated domain names. You can query data within the last 90 days.
	DescribeDomainBpsDataByTimeStamp	Queries the bandwidth value at a specified time for an accelerated domain name.
	DescribeDomainHitRateData	Queries the byte hit ratios of one or more accelerated domain names. Byte hit ratios are measured in percentage. You can query data within the last 90 days.
	DescribeDomainsUsageByDay	Queries the monitoring data of an accelerated domain name. Data is collected every day. You can query data within the last 90 days.

Category	API operation	Description
	DescribeDomainSrcTrafficData	Queries the back-to-origin traffic monitoring data of an accelerated domain name. You can query data within the last 90 days.
	DescribeRangeDataByLocateAndIspService	Queries the bandwidth values of different Internet service providers (ISPs) in different region at a specified time for an accelerated domain name.
	DescribeDomainSrcHttpCodeData	Queries the total number and proportions of HTTP status codes returned from the origin servers for one or more accelerated domain names. Data is collected every 5 minutes. You can query data within the last 90 days.
	DescribeDomainSrcBpsData	Queries the bandwidth monitoring data of back-to-origin routing for one or more accelerated domain names. You can query data within the last 90 days.
	DescribeDomainBpsData	Queries the bandwidth monitoring data of one or more accelerated domain names.
	DescribeDomainQpsData	Queries the number of requests sent to an accelerated domain name per second. Data is collected every 5 minutes. You can query data collected within the last 90 days.
	DescribeDomainQpsDataByLayer	Queries the number of requests sent to an accelerated domain name per second. You can query data within the last 90 days.
	DescribeDomainDetailDataByLayer	Queries the details about one or more accelerated domain names by protocol. Data is collected every 5 minutes.
	DescribeDomainRealTimeDetailData	Queries the bandwidth values and the number of visits by ISP for an accelerated domain name.
	DescribeDomainRealTimeSrcBpsData	Queries the bandwidth data of back-to-origin routing for one or more accelerated domain names. Data is collected every minute. You can query data within the last seven days.
	DescribeDomainRealTimeBpsData	Queries the bandwidth data of one or more accelerated domain names. Data is collected every minute.
	DescribeDomainRealTimeSrcHttpCodeData	Queries the total number and proportions of HTTP status codes returned from the origin server for one or more accelerated domain names. Data is collected every minute. You can query data within the last seven days.

Category	API operation	Description
Real-time Monitoring	DescribeDomainRealTimeHttpCodeData	Queries the total number and proportions of HTTP status codes returned from an accelerated domain name. Data is collected every minute.
	DescribeDomainRealTimeSrcTrafficData	Queries the monitoring data of back-to-origin traffic for an accelerated domain name. Data is collected every minute. You can query data collected within the last seven days.
	DescribeDomainRealTimeByteHitRateData	Queries the byte hit ratios of one or more accelerated domain names. Data is collected every minute. You can query data collected within the last seven days.
	DescribeDomainRealTimeQpsData	Queries the number of visits per second for an accelerated domain name. Data is collected every minute.
	DescribeDomainRealTimeTrafficData	Queries the traffic monitoring data of an accelerated domain name. Data is collected every minute. You can query data collected within the last seven days.
	DescribeDomainRealTimeReqHitRateData	Queries the request hit ratios of one or more accelerated domain names. Data is collected every minute. You can query data collected within the last seven days.
Statistical analysis	DescribeDomainSrcTopUrlVisit	Queries the most frequently requested URLs of an accelerated domain name.
	DescribeTopDomainsByFlow	Queries domain names ranked by network traffic. You can query data within the last 30 days.
	DescribeDomainRegionData	Queries the regional distribution of users. Data is collected every day. You can query data within the last 90 days.
	DescribeDomainUvData	Queries the number of unique visitors (UVs) to an accelerated domain name. Data is collected every hour. You can query data within the last 90 days.
	DescribeDomainPvData	Queries the number of page views (PVs) to an accelerated domain name. Data is collected every hour. You can query data within the last 90 days.
	DescribeDomainTopClientIpVisit	Queries IP addresses of the top N clients ranked by visits or traffic within a specified time range. You can query data within the last 90 days.
	DescribeDomainISPData	Queries the proportions of data usage of different ISPs. You can query data within the last 90 days.

Category	API operation	Description
	DescribeDomainTopUrlVisit	Queries top 100 most frequently requested URLs of an accelerated domain name within a specified time range.
	DescribeDomainTopReferVisit	Queries and sorts frequently requested web pages on a specified day. You can query data collected within the last 90 days.
	DescribeDomainFileSizeProportionData	Queries the proportions of different file sizes. Data is collected every hour. You can query data within the last 90 days.
	DescribeDomainAverageResponseTime	Queries the average response time of one or more accelerated domain names. You can query data within the last 90 days.
Resource usage	DescribeCdnUserBillHistory	Queries the billing history of your Alibaba Cloud account.
	DescribeUserUsageDataExportTask	Queries export tasks that were created within the last three months. The tasks were used to export resource usage information.
	CreateUserUsageDataExportTask	Creates a task to export your resource usage history to a PDF file.
	CreateUsageDetailDataExportTask	Creates a task to export resource usage details to an Excel file.
	DescribeUserUsageDetailDataExportTask	Queries export tasks that were used to export details about one or more domain names that belong to your Alibaba Cloud account. The exported data was collected every 5 minutes.
	DescribeDomainUsageData	Queries resource usage in a specified billable region for an accelerated domain name.
	DescribeCdnUserResourcePackage	Queries the resource plans that you have purchased for Alibaba Cloud CDN.
	DeleteUserUsageDataExportTask	Deletes a task that was used to export usage history.
	DeleteUsageDetailDataExportTask	Deletes a task that was used to export usage details.
EdgeScript (ES) monitoring	DescribeEsExecuteData	Queries the execution status of scripts in ES.
	DescribeEsExceptionData	Queries the execution errors of scripts in ES.

Domain name management

Category	API operation	Description
Adding or removing domain names	AddCdnDomain	Adds a domain name to Alibaba Cloud CDN.
	BatchAddCdnDomain	Adds multiple domain names to Alibaba Cloud CDN at a time.
	DeleteCdnDomain	Removes a domain name from Alibaba Cloud CDN.
Domain name ownership verification	VerifyDomainOwner	Verifies the ownership of a domain name.
	DescribeVerifyContent	Queries the result of ownership verification.
Enabling or disabling domain names	StartCdnDomain	Enables a disabled domain name.
	BatchStartCdnDomain	Enables multiple disabled domain names at a time.
	StopCdnDomain	Disables a domain name. After a domain name is disabled, the value of the DomainStatus parameter changes to Offline.
	BatchStopCdnDomain	Disables multiple domain names. After a domain name is disabled, the value of the DomainStatus parameter changes to Offline.
Domain name configuration	BatchSetCdnDomainConfig	Configures one or more accelerated domain names.
	ModifyCdnDomain	Modifies the information about an accelerated domain name.
	DescribeUserDomains	Queries all accelerated domain names within your Alibaba Cloud account and their status. You can filter domain names by keyword or status.
	DescribeCdnDomainDetail	Queries the basic configuration about an accelerated domain name.
	DescribeDomainsBySource	Queries all domain names that use a specified origin servers within your Alibaba Cloud account.
	DescribeCdnDomainConfigs	Queries the configurations of an accelerated domain name. You can query the configuration of one or more features at a time.
	DeleteSpecificConfig	Deletes specified configurations for an accelerated domain name.
	BatchDeleteCdnDomainConfig	Deletes configurations of multiple accelerated domain names at a time.
	BatchUpdateCdnDomain	Updates the configurations of multiple accelerated domain names at a time.

Category	API operation	Description
	DescribeCdnUserDomainsByFunc	Queries all domain names and their status under your account.
Domain name configuration management in the staging environment	DescribeCdnDomainStagingConfig	Queries the configurations of one or more features in the staging environment.
	SetCdnDomainStagingConfig	Configures a domain name to be accelerated in the staging environment.
	RollbackStagingConfig	Rolls back configurations in the staging environment.
	PublishStagingConfigToProduction	Publishes configurations from the staging environment to the production environment.
	DeleteSpecificStagingConfig	Deletes configurations from the staging environment.
Security settings	SetWaitingRoomConfig	Configures the virtual waiting room feature for an accelerated domain name. This operation is available only for accelerated domain names of the DCDN workload type.
	DescribeCdnUserConfigs	Queries configurations of security features.

Log management

Category	API operation	Description
Real-time log delivery	CreateRealTimeLogDelivery	Enables real-time log delivery for specified domain names.
	DescribeDomainRealtimeLogDelivery	Queries the information about real-time log delivery for an accelerated domain name.
	DescribeRealtimeDeliveryAcc	Queries the number of real-time log deliveries.
	DisableRealtimeLogDelivery	Disables real-time log delivery for specified accelerated domain names.
	EnableRealtimeLogDelivery	Enables real-time log delivery for specific accelerated domain names.
	ListRealtimeLogDeliveryDomains	Queries the domain names that have real-time log delivery enabled.
	ModifyRealtimeLogDelivery	Modifies the configurations of real-time log delivery for a specific domain name. Each domain name supports only one Logstore.

Category	API operation	Description
	ListRealtimeLogDeliveryInfos	Queries the information about real-time log delivery.
	DeleteRealtimeLogDelivery	Deletes the configurations of real-time log delivery for specified accelerated domain names.
Offline logs	DescribeDomainCustomLogConfig	Queries the custom log configuration of an accelerated domain name.
	ListDomainsByLogConfigId	Queries domain names by log configuration ID.
	ListUserCustomLogConfig	Queries all custom log configurations within your Alibaba Cloud account.
	DescribeCustomLogConfig	Queries the details about custom log configurations by configuration ID.
	DescribeCdnDomainLogs	Queries the address where you can download the log data of a specific domain name.
	EnableCdnDomainOfflineLogDelivery	Associates more domain names with the log storage feature.

Refresh and prefetch

API operation	Description
PushObjectCache	Prefetches content from origin servers to L2 CDN edge nodes. This reduces loads on origin servers because users can directly hit cache upon their first visits.
DescribeRefreshQuota	Queries the maximum and remaining numbers of URLs and directories that can be refreshed, the maximum and remaining numbers of URLs that can be prefetched, and the maximum and remaining numbers of URLs and directories that can be blocked on the current day.
DescribeRefreshTasks	Queries the status of refresh or prefetch tasks that belong to a specified accelerated domain name.
RefreshObjectCaches	Refreshes files on Alibaba Cloud CDN edge nodes. After files are refreshed, the original file content immediately becomes invalid. If clients request the original file content, Alibaba Cloud CDN redirects the requests to the origin server of the content. Then, Alibaba Cloud CDN caches the latest content to CDN edge nodes and returns it to the clients. Alibaba Cloud CDN allows you to refresh content from multiple URLs at a time.
DescribeRefreshTaskById	Queries the status of refresh or prefetch tasks by ID for an accelerated domain name.

Service management

API operation	Description
OpenCdnService	Activates Alibaba Cloud CDN.
DescribeCdnService	Queries the status of Alibaba Cloud CDN. The status information includes the service activation time, current service status, current billing method, and the next billing method to take effect.

Certificate management

API operation	Description
CreateCdnCertificateSigningRequest	Creates a certificate signing request (CSR).
DescribeDomainCertificateInfo	Queries the certificate information about an accelerated domain name.
SetDomainServerCertificate	Enables or disables the certificate of a domain name, and modifies the certificate information.
SetCdnDomainCSRCertificate	Configures an SSL certificate for a specified domain name.
DescribeCdnDomainByCertificate	Queries accelerated domain names by SSL certificate.
DescribeCdnCertificateDetail	Queries the detailed information about an SSL certificate.
DescribeCdnCertificateList	Queries SSL certificates configured for accelerated domain names.
DescribeCertificateInfoByID	Queries the information about a specified SSL certificate.
BatchSetCdnDomainServerCertificate	Enables or disables the SSL certificates of domain names, and modifies the certificate information.
DescribeCdnHttpsDomainList	Queries the information about the SSL certificates within your Alibaba Cloud account.
DescribeUserCertificateExpireCount	Queries the number of domain names whose SSL certificates are about to expire or have already expired.

Tag management

API operation	Description
TagResources	Adds tags to a resource.
DescribeTagResources	Queries the tags that are added to specified resources.
DescribeUserTags	Queries user tags.
UntagResources	Removes tags from a resource.

Operations report management

API operation	Description
CreateCdnSubTask	Customize an operations report template.
CreateCdnDeliverTask	Creates a tracking task.
DescribeCdnSubList	Queries the operations report templates that you have created.
DescribeCdnReport	Queries data from operations reports.
DescribeCdnReportList	Queries all operations reports.
DescribeCdnDeliverList	Queries the tracking tasks that you have created.
UpdateCdnSubTask	Updates an operations report template.
UpdateCdnDeliverTask	Updates a tracking task.
DeleteCdnSubTask	Deletes an operations report template.
DeleteCdnDeliverTask	Deletes a tracking task.

Auxiliary and other tools

Category	API operation	Description
Service management	DescribeCdnUserQuota	Queries the quotas and usage of Alibaba Cloud CDN resources.
Auxiliary tools	DescribeIpInfo	Checks whether an IP address belongs to an Alibaba Cloud CDN edge node.
	ListFCTrigger	Queries node IP addresses in the staging environment.
	DescribeL2VipsByDomain	Queries the virtual IP addresses of L2 CDN edge nodes for a specific domain name.
	ListFCTrigger	Queries the Function Compute trigger that is set for an Alibaba Cloud CDN event.
	DescribeCdnRegionAndIsp	Queries the most recent region and ISP lists.
	DescribeDomainCcActivityLog	Queries virtual IP addresses of CDN edge nodes by domain name.
Security data	CreateIllegalUrlExportTask	Creates a task to export invalid URLs.
	DescribeDomainCcActivityLog	Queries log entries of rate limiting.

Category	API operation	Description
	DescribeIllegalUrlExportTask	Queries tasks that were used to export invalid URLs.

9.Monitoring and usage analytics

9.1. Resource monitoring

9.1.1. DescribeDomainSrcQpsData

Queries the number of queries per second for accelerated domain names. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainSrcQpsData	The operation that you want to perform. Set the value to **DescribeDomainSrcQpsData**.
DomainName	String	No	example.com	The accelerated domain names that you want to query. Separate domain names with commas (,). By default, this operation queries the number of queries per second for all accelerated domain names that belong to your Alibaba Cloud account.

Parameter	Type	Required	Example	Description
StartTime	String	No	2019-11-30T05:33:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. If you do not set this parameter, data collected within the last 24 hours is queried.
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the StartTime and EndTime parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days (3 days excluded), valid values are 300, 3600, and 86400. Default value: 300. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are 3600 and 86400. Default value: 3600. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is 86400. Default value: 86400.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the data entries returned. Unit: seconds.

Parameter	Type	Example	Description
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2019-11-30T05:40:00Z	The end of the time range that was queried.
RequestId	String	7CBCD6AD-B016-42E5-AE0B-B3731DE8F755	The ID of the request.
SrcQpsDataPerInterval	Array of DataModule		The back-to-origin bandwidth information at each interval.
DataModule			
TimeStamp	String	2015-12-10T21:00:00Z	The timestamp of the QPS data returned.
Value	String	0	The number of queries per second.
StartTime	String	2019-11-30T05:33:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainSrcQpsData
&DomainName=example.com
&StartTime=2019-11-30T05:33:00Z
&EndTime=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainSrcQpsDataResponse>
  <DomainName>example.com</DomainName>
  <DataInterval>300</DataInterval>
  <SrcQpsDataPerInterval>
        <DataModule>
              <TimeStamp>2019-11-30T05:33:00Z</TimeStamp>
              <Value>0</Value>
        </DataModule>
        <DataModule>
              <TimeStamp>2019-11-30T05:34:00Z</TimeStamp>
              <Value>0</Value>
        </DataModule>
  </SrcQpsDataPerInterval>
  <RequestId>7CBCD6AD-B016-42E5-AE0B-B3731DE8F755</RequestId>
  <StartTime>2019-11-30T05:33:00Z</StartTime>
  <EndTime>2019-11-30T05:40:00Z</EndTime>
</DescribeDomainSrcQpsDataResponse>
```

`JSON` format

```
{
    "DomainName": "example.com",
    "DataInterval": 300,
    "SrcQpsDataPerInterval": {
        "DataModule": [
            {
                "TimeStamp": "2019-11-30T05:33:00Z",
                "Value": 0
            },
            {
                "TimeStamp": "2019-11-30T05:34:00Z",
                "Value": 0
            }
        ]
    },
    "RequestId": "7CBCD6AD-B016-42E5-AE0B-B3731DE8F755",
    "StartTime": "2019-11-30T05:33:00Z",
    "EndTime": "2019-11-30T05:40:00Z"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	StartTime and EndTime can not be single.	The error message returned because both the StartTime and EndTime parameters must be set.

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Mismatch	Specified end time does not math the specified start time.	The error message returned because the end time must be later than the start time.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

9.1.2. DescribeDomainBpsDataByLayer

Queries bandwidth data by protocol.

> **Note**
> - If you do not set **StartTime** or **EndTime**, data within the last 24 hours is queried. If you set both **StartTime** and **EndTime**, data within the specified time range is queried.
> - Data retention policy (for reference only): Data that is collected every 5 minutes is retained for 62 days. Data that is collected every hour is retained for 120 days. Data that is collected every day is retained for 366 days.
> - The maximum number of times that each user can call this operation per second is 20.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainBpsDataByLayer	The operation that you want to perform. Set the value to **DescribeDomainBpsDataByLayer**.
DomainName	String	No	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,). **Note** If you do not specify an accelerated domain name, the bandwidth data about all accelerated domain names that belong to your Alibaba Cloud account is queried.
StartTime	String	No	2020-05-06T07:10:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2020-05-06T07:20:00Z	The end of the time range that was queried. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Parameter	Type	Required	Example	Description
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.
IspNameEn	String	No	unicom	The name of the ISP for your Alibaba Cloud CDN service. You can call the DescribeCdnRegionAndIsp operation to query the most recent ISP list. If you do not specify an ISP, data of all ISPs is queried.
LocationNameEn	String	No	beijing	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list. If you do not specify a region, data in all regions is queried.
Layer	String	No	IPv4	The layers at which you want to query the bandwidth information. Valid values: • Network layer: **IPv4** and **IPv6**. • Application layer: **http**, **https**, and **quic**. • **all**: specifies that both the network and application layers are included. Default value: **all**.

Response parameters

Parameter	Type	Example	Description
BpsDataInterval	Array of DataModule		The number of bytes per second collected at each time interval.
DataModule			
TimeStamp	String	2020-05-06T07:10:00Z	The timestamp of the data.
TrafficValue	String	2838	The total amount of network traffic. Unit: bytes.
Value	String	75.68	The peak bandwidth value. Unit: bit/s.
DataInterval	String	300	The time interval between the data entries. Unit: seconds.
RequestId	String	C565B910-BC3B-467B-9046-2A48566EA967	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainBpsDataByLayer
&DomainName=example.com
&StartTime=2020-05-06T07:10:00Z
&EndTime=2020-05-06T07:20:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainBpsDataByLayerResponse>
    <RequestId>C565B910-BC3B-467B-9046-2A48566EA967</RequestId>
    <DataInterval>300</DataInterval>
    <BpsDataInterval>
            <DataModule>
                    <Value>75.68</Value>
                    <TrafficValue>2838</TrafficValue>
                    <TimeStamp>2020-05-06T07:10:00Z</TimeStamp>
            </DataModule>
            <DataModule>
                    <Value>99138.85333333333</Value>
                    <TrafficValue>3717707</TrafficValue>
                    <TimeStamp>2020-05-06T07:15:00Z</TimeStamp>
            </DataModule>
    </BpsDataInterval>
</DescribeDomainBpsDataByLayerResponse>
```

`JSON` format

```
{
    "RequestId": "C565B910-BC3B-467B-9046-2A48566EA967",
    "DataInterval": 300,
    "BpsDataInterval": {
        "DataModule": [
            {
                "Value": 75.68,
                "TrafficValue": 2838,
                "TimeStamp": "2020-05-06T07:10:00Z"
            },
            {
                "Value": "99138.85333333333",
                "TrafficValue": 3717707,
                "TimeStamp": "2020-05-06T07:15:00Z"
            }
        ]
    }
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.1.3. DescribeDomainPathData

Queries the traffic and visits metrics collected at an interval of five minutes for one or all directories of an accelerated domain name.

> **Note**
> - This operation is available to only selected users.
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data within the specified time range is queired.
> - You can specify only one domain name in each query.
> - You can query data collected within the last 90 days.
> - The paths must be specific. Fuzzy match is not supported.
> - The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainPathData	The operation that you want to perform. Set the value to **DescribeDomainPathData**.
DomainName	String	Yes	example.com	The accelerated domain name.
PageNumber	Integer	No	1	The number of the page to return. Pages start from page **1**.
PageSize	Integer	No	20	The number of entries to return on each page. Maximum value: **1000**.
Path	String	No	/path/	The paths that you want to query. Separate multiple paths with forward slashes (/). If you do not set this parameter, all paths are queried. If you set the value to a directory, it must end with a forward slash (/).
StartTime	String	No	2016-10-20T04:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. Example: 2016-10-20T04:00:00Z.

Parameter	Type	Required	Example	Description
EndTime	String	No	2016-10-20T04:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time. The maximum time range that can be specified is 30 days. Example: 2016-10-20T04:00:00Z.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2017-09-30T17:00:00Z	The end of the time range that was queried.
PageNumber	Integer	1	The page number of the returned page. Pages start from page **1**.
PageSize	Integer	20	The number of entries returned per page.
PathDataPerInterval	Array of UsageData		A list of bandwidth values collected at each time interval.
UsageData			
Acc	Integer	10	The number of visits to the path.
Path	String	/path/	The file path.
Time	String	2017-09-30T16:00:00Z	The time when the data was collected.
Traffic	Integer	346	The amount of traffic consumed for visiting the path.

Parameter	Type	Example	Description
StartTime	String	2017-09-30T17:00:00Z	The beginning of the time range that was queried.
TotalCount	Integer	2	The total number of entries returned.

Examples

Sample requests

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

Sample success responses

`XML` format

```
<DescribeDomainPathDataResponse>
  <DataInterval>300</DataInterval>
  <EndTime>2017-09-30T17:00:00Z</EndTime>
  <PageNumber>1</PageNumber>
  <PageSize>20</PageSize>
  <PathDataPerInterval>
        <UsageData>
              <Acc>10</Acc>
              <Path>/path/</Path>
              <Time>2017-09-30T16:00:00Z</Time>
              <Traffic>346</Traffic>
        </UsageData>
        <UsageData>
              <Acc>12</Acc>
              <Path>/path/</Path>
              <Time>2017-09-30T16:05:00Z</Time>
              <Traffic>400</Traffic>
        </UsageData>
  </PathDataPerInterval>
  <StartTime>2017-09-30T16:00:00Z</StartTime>
  <TotalCount>2</TotalCount>
</DescribeDomainPathDataResponse>
```

`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
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.1.4. DescribeDomainHttpCodeDataByLayer

Queries HTTP status codes by protocol.

> **Note**
>
> - If you do not set the **StartTime** or **EndTime** parameter, data within the last 24 hours is queried. If you set both the StartTime and EndTime parameters, data within the specified time range is queried. You must set both parameters or leave both of them empty.
> - You can query data within the last 90 days.
> - The maximum number of times that each user can call this operation per second is 20.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainHttpCodeDataByLayer	The operation that you want to perform. Set the value to **DescribeDomainHttpCodeDataByLayer**.
DomainName	String	No	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,). If you do not specify a domain name, data of all domain names is queried.
StartTime	String	No	2020-07-05T22:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. Data is collected every 5 minutes. If you do not set this parameter, data within the last 24 hours is queried.
EndTime	String	No	2020-07-06T22:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Parameter	Type	Required	Example	Description
Interval	String	No	300	The interval at which data is collected. Unit: seconds. Valid values are 300, 3600, and 86400. Take note of the following rules: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. If you do not set this parameter or the specified value is invalid, the default value is used.
LocationNameEn	String	No	hangzhou	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list. If you do not specify a region, data in all regions is queried.
IspNameEn	String	No	telecom	The name of the Internet service provider (ISP) for your Alibaba Cloud CDN service. You can call the DescribeCdnRegionAndIsp operation to query ISP names. If you do not specify an ISP, data of all ISPs is queried.
Layer	String	No	all	The protocol by which you want to query HTTP status codes. The network layer supports **IPv4** and **IPv6**. The application layer supports **http**, **https**, and **quic**. You can also set the value to **all**. The default value is **all**.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the data entries. Unit: seconds.
HttpCodeDataInterval	Array of DataModule		The number of times that each HTTP status code was returned at each time interval.
DataModule			
TimeStamp	String	2015-12-10T20:35:00Z	The timestamp of the data returned.
TotalValue	String	110	The total number of times that HTTP status codes were returned at each time interval.
Value	String	"Value": { "200": 10, "206": 100}	The number of times that the HTTP status code was returned at each time interval.
RequestId	String	BEA5625F-8FCF-48F4-851B-CA63946DA664	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainHttpCodeDataByLayer
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T21:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainHttpCodeDataByLayerResponse>
<HttpCodeDataInterval>
    <DataModule>
        <TimeStamp>2015-12-10T21:00:00Z</TimeStamp>
        <Value>
            <200>10</200>
            <206>100</206>
        </Value>
        <TotalValue>110</TotalValue>
    </DataModule>
    <DataModule>
        <TimeStamp>2015-12-10T20:35:00Z</TimeStamp>
        <Value>
            <200>12</200>
            <206>120</206>
        </Value>
        <TotalValue>132</TotalValue>
    </DataModule>
</HttpCodeDataInterval>
<DataInterval>300</DataInterval>
<RequestId>BEA5625F-8FCF-48F4-851B-CA63946DA664</RequestId>
</DescribeDomainHttpCodeDataByLayerResponse>
```

`JSON` format

```
{
    "HttpCodeDataInterval": {
        "DataModule": [
            {
                "TimeStamp": "2015-12-10T21:00:00Z",
                "Value": {
                    "200": 10,
                    "206": 100
                },
                "TotalValue": 110
            },
            {
                "TimeStamp": "2015-12-10T20:35:00Z",
                "Value": {
                    "200": 12,
                    "206": 120
                },
                "TotalValue": 132
            }
        ]
    },
    "DataInterval": "300",
    "RequestId": "BEA5625F-8FCF-48F4-851B-CA63946DA664"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.1.5. DescribeDomainSrcDetailData

Queries the back-to-origin information about one or more accelerated domain names at a time. The data is collected at an interval of five minutes. You can query data collected within the last seven days.

> **Note**
> - In each query, the time range specified by the StartTime and EndTime parameters cannot exceed 24 hours.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainSrcDetailData	The operation that you want to perform. Set the value to **DescribeDomainSrcTrafficData**.
DomainName	String	Yes	example.com	The accelerated domain names. Separate multiple domain names with commas (,).
StartTime	String	Yes	2018-06-05T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	Yes	2018-06-05T20:10:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Parameter	Type	Required	Example	Description
Field	String	Yes	qps,bps,http_code	The types of information. Separate multiple types with commas (,). Valid values: • qps • bps • http_code

Response parameters

Parameter	Type	Example	Description
Data	String	{ "bps": 306202454542.3067, "domain_name": "example.com", "qps": 71814.53333333334, "http_code": { "200": 466521, "304": 35, "400": 16594, "404": 112, "502": 10038, "504": 151 }, "time_stp": "2018-06-05T20:00:00Z" }	The detailed back-to-origin information.
RequestId	String	B49E6DDA-F413-422B-B58E-2FA23F286726	The ID of the request

Examples

Sample requests

```
https://cdn.aliyuncs.com?Action=DescribeDomainSrcDetailData
&DomainName=example.com
&Field=qps,bps,http_code
&StartTime=2018-06-05T20:00:00Z
&EndTime=2018-06-05T20:10:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainSrcDetailDataResponse>
<Data>
    <bps>306202454542.3067</bps>
    <domain_name>example.com</domain_name>
    <qps>71814.53333333334</qps>
    <http_code>
        <200>466521</200>
        <304>35</304>
        <400>16594</400>
        <404>112</404>
        <502>10038</502>
        <504>151</504>
    </http_code>
    <time_stp>2018-06-05T20:00:00Z</time_stp>
</Data>
<RequestId>B49E6DDA-F413-422B-B58E-2FA23F286726</RequestId>
</DescribeDomainSrcDetailDataResponse>
```

`JSON` format

```
{
   "Data":[
        {
            "bps": 306202454542.3067,
            "domain_name": "example.com",
            "qps": 71814.53333333334,
            "http_code": {
                "200": 466521,
                "304": 35,
                "400": 16594,
                "404": 112,
                "502": 10038,
                "504": 151
            },
            "time_stp": "2018-06-05T20:00:00Z"
        }
   ],
   "RequestId":"B49E6DDA-F413-422B-B58E-2FA23F286726"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidEndTime.Mismatch	Specified end time does not math the specified start time.	The error message returned because the end time must be later than the start time.

For a list of error codes, visit the API Error Center.

9.1.6. DescribeDomainReqHitRateData

Queries the request hit ratios of one or more accelerated domain names. Hit ratios are measured in percentage. You can query data collected within the last 90 days.

> **Note**
> - If you do not set **StartTime** or **EndTime**, data collected within the last 24 hours is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainReqHitRateData	The operation that you want to perform. Set the value to **DescribeDomainReqHitRateData**.
DomainName	String	No	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,). By default, the request hit ratios of all accelerated domain names that belong to your Alibaba Cloud account are queried.
StartTime	String	No	2017-12-21T08:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Parameter	Type	Required	Example	Description
EndTime	String	No	2017-12-22T08:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time range between StartTime and EndTime is less than 3 days, the valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time range between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time range between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Response parameters

Parameter	Type	Example	Description
DomainName	String	example.com	The information about the accelerated domain name.
DataInterval	String	300	The time interval between the data entries. Unit: seconds.
StartTime	String	2017-12-21T08:00:00Z	The start of the time range that was queried.
EndTime	String	2017-12-22T08:00:00Z	The end of the time range that was queried.

Parameter	Type	Example	Description
ReqHitRateInterval	Array of DataModule		The request hit ratio at each time interval. The hit ratio is measured in percentage.
DataModule			
TimeStamp	String	2017-12-22T08:00:00:00Z	The timestamp of the data returned.
Value	String	100.0	The request hit ratio.
HttpsValue	String	50.0	The hit ratio of HTTPS requests.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainReqHitRateData
&DomainName=example.com
&StartTime=2017-12-21T08:00:00Z
&EndTime=2017-12-22T08:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainReqHitRateDataResponse>
      <DomainName>example.com</DomainName>
      <DataInterval>300</DataInterval>
      <RequestId>5ADA5190-EE5B-4EF2-BE00-DC441B8D81DD</RequestId>
      <StartTime>2017-12-21T08:00:00Z</StartTime>
      <EndTime>2017-12-22T08:00:00Z</EndTime>
      <ReqHitRateInterval>
            <DataModule>
                  <TimeStamp>2015-12-10T21:00:00Z</TimeStamp>
                  <Value>100.0</Value>
                  <HttpsValue>50.0</HttpsValue>
            </DataModule>
            <DataModule>
                  <TimeStamp>2015-12-10T20:35:00Z</TimeStamp>
                  <Value>100.0</Value>
                  <HttpsValue>50.0</HttpsValue>
            </DataModule>
      </ReqHitRateInterval>
</DescribeDomainReqHitRateDataResponse>
```

`JSON` format

```
{
    "DomainName": "example.com",
    "DataInterval": "300",
    "RequestId": "5ADA5190-EE5B-4EF2-BE00-DC441B8D81DD",
    "StartTime": "2017-12-21T08:00:00Z",
    "EndTime": "2017-12-22T08:00:00Z",
    "ReqHitRateInterval": {
        "DataModule": [
            {
                "TimeStamp": "2015-12-10T21:00:00Z",
                "Value": "100.0",
                "HttpsValue": "50.0"
            },
            {
                "TimeStamp": "2015-12-10T20:35:00Z",
                "Value": "100.0",
                "HttpsValue": "50.0"
            }
        ]
    }
}
```

Error codes

HttpCode	Error code	Error message	Description

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

9.1.7. DescribeDomainHttpCodeData

Queries the total number and proportions of HTTP status codes returned from one or more accelerated domain names. You can query data collected within the last 90 days.

> **Note**
> - If you do not set **StartTime** or **EndTime**, data collected within the last 24 hours is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - Data is collected every 5 minutes.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainHttpCodeData	The operation that you want to perform. Set this parameter to **DescribeDomainHttpCodeData**.
DomainName	String	No	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,). By default, this operation queries the total number and proportions of HTTP status codes returned from all accelerated domain names that belong to your Alibaba Cloud account.
StartTime	String	No	2021-06-29T05:30:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2021-06-29T05:45:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Parameter	Type	Required	Example	Description
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the data entries.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2021-06-29T05:45:00Z	The end of the time range that was queried.
HttpCodeData	Array of UsageData		The proportions of HTTP status codes at each time interval.
UsageData			
TimeStamp	String	2021-06-29T05:40:00Z	The timestamp of the data returned.
Value	Array of CodeProportionData		The proportions of HTTP status codes.
CodeProportionData			
Code	String	200	The HTTP status code.

Parameter	Type	Example	Description
Count	String	300	The total number of HTTP status codes.
Proportion	String	66.046511627907	The proportion of the HTTP status code.
RequestId	String	BC858082-736F-4A25-867B-E5B67C85ACF7	The ID of the request.
StartTime	String	2021-06-29T05:30:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainHttpCodeData
&DomainName="example.com"
&StartTime=2021-06-29T05:30:00Z
&EndTime=2021-06-29T05:45:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainHttpCodeDataResponse>
  <RequestId>BC858082-736F-4A25-867B-E5B67C85ACF7</RequestId>
  <EndTime>2021-06-29T05:45:00Z</EndTime>
  <DomainName>example.com</DomainName>
  <DataInterval>300</DataInterval>
  <StartTime>2021-06-29T05:30:00Z</StartTime>
  <HttpCodeData>
        <UsageData>
              <Value>
                    <CodeProportionData>
                          <Proportion>64.26332288401254</Proportion>
                          <Count>205</Count>
                          <Code>200</Code>
                    </CodeProportionData>
                    <CodeProportionData>
                          <Proportion>22.570532915360502</Proportion>
                          <Count>72</Count>
                          <Code>403</Code>
                    </CodeProportionData>
                    <CodeProportionData>
                          <Proportion>10.344827586206897</Proportion>
                          <Count>33</Count>
                          <Code>499</Code>
                    </CodeProportionData>
```

```
                <CodeProportionData>
                    <Proportion>2.8213166144200628</Proportion>
                    <Count>9</Count>
                    <Code>504</Code>
                </CodeProportionData>
            </Value>
            <TimeStamp>2021-06-29T05:30:00Z</TimeStamp>
        </UsageData>
        <UsageData>
            <Value>
                <CodeProportionData>
                    <Proportion>66.96969696969697</Proportion>
                    <Count>221</Count>
                    <Code>200</Code>
                </CodeProportionData>
                <CodeProportionData>
                    <Proportion>18.787878787878785</Proportion>
                    <Count>62</Count>
                    <Code>403</Code>
                </CodeProportionData>
                <CodeProportionData>
                    <Proportion>12.121212121212121</Proportion>
                    <Count>40</Count>
                    <Code>499</Code>
                </CodeProportionData>
                <CodeProportionData>
                    <Proportion>2.1212121212121215</Proportion>
                    <Count>7</Count>
                    <Code>504</Code>
                </CodeProportionData>
            </Value>
            <TimeStamp>2021-06-29T05:35:00Z</TimeStamp>
        </UsageData>
        <UsageData>
            <Value>
                <CodeProportionData>
                    <Proportion>79.6976241900648</Proportion>
                    <Count>369</Count>
                    <Code>200</Code>
                </CodeProportionData>
                <CodeProportionData>
                    <Proportion>15.118790496760258</Proportion>
                    <Count>70</Count>
                    <Code>403</Code>
                </CodeProportionData>
                <CodeProportionData>
                    <Proportion>4.535637149028078</Proportion>
                    <Count>21</Count>
                    <Code>499</Code>
                </CodeProportionData>
                <CodeProportionData>
                    <Proportion>0.21598272138228944</Proportion>
                    <Count>1</Count>
                    <Code>502</Code>
```

```
                    </CodeProportionData>
                    <CodeProportionData>
                          <Proportion>0.4319654427645789</Proportion>
                          <Count>2</Count>
                          <Code>504</Code>
                    </CodeProportionData>
              </Value>
              <TimeStamp>2021-06-29T05:40:00Z</TimeStamp>
        </UsageData>
  </HttpCodeData>
</DescribeDomainHttpCodeDataResponse>
```

`JSON` format

```
{
  "RequestId": "BC858082-736F-4A25-867B-E5B67C85ACF7",
  "EndTime": "2021-06-29T05:45:00Z",
  "DomainName": "example.com",
  "DataInterval": 300,
  "StartTime": "2021-06-29T05:30:00Z",
  "HttpCodeData": {
    "UsageData": [
      {
        "Value": {
          "CodeProportionData": [
            {
              "Proportion": 64.26332288401254,
              "Count": 205,
              "Code": "200"
            },
            {
              "Proportion": 22.570532915360502,
              "Count": 72,
              "Code": "403"
            },
            {
              "Proportion": 10.344827586206897,
              "Count": 33,
              "Code": "499"
            },
            {
              "Proportion": 2.8213166144200628,
              "Count": 9,
              "Code": "504"
            }
          ]
        },
        "TimeStamp": "2021-06-29T05:30:00Z"
      },
      {
        "Value": {
          "CodeProportionData": [
            {
              "Proportion": 66.96969696969697,
```

```
            "Count": 221,
            "Code": "200"
          },
          {
            "Proportion": 18.787878787878785,
            "Count": 62,
            "Code": "403"
          },
          {
            "Proportion": 12.121212121212121,
            "Count": 40,
            "Code": "499"
          },
          {
            "Proportion": 2.1212121212121215,
            "Count": 7,
            "Code": "504"
          }
        ]
      },
      "TimeStamp": "2021-06-29T05:35:00Z"
    },
    {
      "Value": {
        "CodeProportionData": [
          {
            "Proportion": 79.6976241900648,
            "Count": 369,
            "Code": "200"
          },
          {
            "Proportion": 15.118790496760258,
            "Count": 70,
            "Code": "403"
          },
          {
            "Proportion": 4.535637149028078,
            "Count": 21,
            "Code": "499"
          },
          {
            "Proportion": 0.21598272138228944,
            "Count": 1,
            "Code": "502"
          },
          {
            "Proportion": 0.4319654427645789,
            "Count": 2,
            "Code": "504"
          }
        ]
      },
      "TimeStamp": "2021-06-29T05:40:00Z"
    }
```

```
        ]
    }
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.1.8. DescribeDomainTrafficData

Queries the monitoring data of network traffic for one or more accelerated domain names. The network traffic is measured in bytes. You can query data within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainTrafficData	The operation that you want to perform. Set the value to **DescribeDomainTrafficData**.
DomainName	String	No	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,). By default, this operation queries the monitoring data of network traffic for all accelerated domain names that belong to your Alibaba Cloud account.

Parameter	Type	Required	Example	Description
StartTime	String	No	2015-12-10T20:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2015-12-10T21:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
LocationNameEn	String	No	beijing	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list. If you do not specify a region, monitoring data in all regions is queried.
IspNameEn	String	No	unicom	The name of the Internet service provider (ISP) for your Alibaba Cloud CDN service. You can call the DescribeCdnRegionAndIsp operation to query ISP names. If you do not specify an ISP, data of all ISPs is queried.

Parameter	Type	Required	Example	Description
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time range between StartTime and EndTime is less than 3 days, the valid values are **300**, **3600**, and **86400**. If you do not specify a value for this parameter, **300** is used. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time range between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2015-12-10T21:00:00Z	The end of the time range that was queried.
RequestId	String	B955107D-E658-4E77-B913-E0AC3D31693E	The ID of the request.
StartTime	String	2015-12-10T20:00:00Z	The beginning of the time range that was queried.
TrafficDataPerInterval	Array of DataModule		The monitoring data of network traffic that was collected at each interval.
DataModule			

Parameter	Type	Example	Description
DomesticValue	String	0	The amount of network traffic in mainland China.
HttpsDomesticValue	String	0	The amount of HTTPS network traffic on L1 CDN edge nodes in mainland China.
HttpsOverseasValue	String	0	The amount of HTTPS network traffic on L1 CDN edge nodes outside mainland China.
HttpsValue	String	423304182	The total amount of HTTPS network traffic on L1 CDN edge nodes.
OverseasValue	String	0	The amount of network traffic outside mainland China.
TimeStamp	String	example.com	The timestamp of the data returned.
Value	String	423304182	The total amount of network traffic.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainTrafficData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T21:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainTrafficDataResponse>
      <DomainName>example.com</DomainName>
      <DataInterval>300</DataInterval>
      <TrafficDataPerInterval>
            <DataModule>
                  <TimeStamp>2015-12-10T20:00:00Z</TimeStamp>
                  <Value>423304182</Value>
                  <DomesticValue>0</DomesticValue>
                  <OverseasValue>0</OverseasValue>
                  <HttpsValue>423304182</HttpsValue>
                  <HttpsDomesticValue>0</HttpsDomesticValue>
                  <HttpsOverseasValue>0</HttpsOverseasValue>
            </DataModule>
            <DataModule>
                  <TimeStamp>2015-12-10T20:05:00Z</TimeStamp>
                  <Value>454680793</Value>
                  <DomesticValue>0</DomesticValue>
                  <OverseasValue>0</OverseasValue>
                  <HttpsValue>423304182</HttpsValue>
                  <HttpsDomesticValue>0</HttpsDomesticValue>
                  <HttpsOverseasValue>0</HttpsOverseasValue>
            </DataModule>
            <DataModule>
                  <TimeStamp>2015-12-10T20:10:00Z</TimeStamp>
                  <Value>501718342</Value>
                  <DomesticValue>0</DomesticValue>
                  <OverseasValue>0</OverseasValue>
                  <HttpsValue>423304182</HttpsValue>
                  <HttpsDomesticValue>0</HttpsDomesticValue>
                  <HttpsOverseasValue>0</HttpsOverseasValue>
            </DataModule>
      </TrafficDataPerInterval>
      <RequestId>B955107D-E658-4E77-B913-E0AC3D31693E</RequestId>
      <StartTime>2015-12-10T20:00:00Z</StartTime>
      <EndTime>2015-12-10T21:00:00Z</EndTime>
</DescribeDomainTrafficDataResponse>
```


`JSON` format

```
{
    "DomainName": "example.com",
    "DataInterval": "300",
    "TrafficDataPerInterval": {
        "DataModule": [
            {
                "TimeStamp": "2015-12-10T20:00:00Z",
                "Value": "423304182",
                "DomesticValue": "0",
                "OverseasValue": "0",
                "HttpsValue": "423304182",
                "HttpsDomesticValue": "0",
                "HttpsOverseasValue": "0"
            },
            {
                "TimeStamp": "2015-12-10T20:05:00Z",
                "Value": "454680793",
                "DomesticValue": "0",
                "OverseasValue": "0",
                "HttpsValue": "423304182",
                "HttpsDomesticValue": "0",
                "HttpsOverseasValue": "0"
            },
            {
                "TimeStamp": "2015-12-10T20:10:00Z",
                "Value": "501718342",
                "DomesticValue": "0",
                "OverseasValue": "0",
                "HttpsValue": "423304182",
                "HttpsDomesticValue": "0",
                "HttpsOverseasValue": "0"
            }
        ]
    },
    "RequestId": "B955107D-E658-4E77-B913-E0AC3D31693E",
    "StartTime": "2015-12-10T20:00:00Z",
    "EndTime": "2015-12-10T21:00:00Z"
}
```


Error codes

For a list of error codes, visit the API Error Center.

9.1.9. DescribeDomainBpsDataByTimeStamp

Queries the bandwidth data at a specified time for an accelerated domain name.

> **Note**
> - The bandwidth is measured in bit/s.
> - You can specify only one domain name in each query.
> - The data is collected at an interval of five minutes.
> - The maximum number of times that each user can call this operation per second is 20.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainBpsDataByTimeStamp	The operation that you want to perform. Set the value to **DescribeDomainBpsDataByTimeStamp**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name in each query.
IspNames	String	Yes	unicom,telecom	The names of the Internet service providers (ISPs). Separate multiple ISP names with commas (,). You can call the DescribeCdnRegionAndIsp operation to query regions.
LocationNames	String	Yes	liaoning,guangxi	The names of the regions. Separate multiple regions with commas (,). You can call the DescribeCdnRegionAndIsp operation to query regions.
TimePoint	String	Yes	2019-11-30T05:40:00Z	The beginning of the time range that was queried. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The data is collected at an interval of five minutes.

Response parameters

Parameter	Type	Example	Description
DomainName	String	example.com	The accelerated domain name.
BpsDataList	Array of BpsDataModel		A list of bandwidth values queried by ISP and region.
BpsDataModel			
LocationName	String	Liaoning	The name of the region.
IspName	String	unicom	The name of the ISP for your Content Delivery Network (CDN) service.
Bps	Long	52119553	The bandwidth value.
TimeStamp	String	2019-11-30T05:40:00Z	The timestamp of the data.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.
TimeStamp	String	2019-11-30T05:40:00Z	The timestamp of the data.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainBpsDataByTimeStamp
&DomainName=example.com
&LocationNames=liaoning,guangxi
&IspNames=unicom,telecom
&TimePoint=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainBpsDataByTimeStampResponse>
      <BpsDataList>
            <BpsDataModel>
                  <LocationName>Liaoning</LocationName>
                  <Bps>880996111</Bps>
                  <IspName>telecom</IspName>
            </BpsDataModel>
            <BpsDataModel>
                  <LocationName>Liaoning</LocationName>
                  <Bps>52119553</Bps>
                  <IspName>unicom</IspName>
            </BpsDataModel>
            <BpsDataModel>
                  <LocationName>Guangxi</LocationName>
                  <Bps>51295137</Bps>
                  <IspName>telecom</IspName>
            </BpsDataModel>
            <BpsDataModel>
                  <LocationName>Guangxi</LocationName>
                  <Bps>18673571</Bps>
                  <IspName>unicom</IspName>
            </BpsDataModel>
            <TimeStamp>2016-08-01T22:00Z</TimeStamp>
        <RequestId>7682DE14-3B4D-48D0-9B7C-DD3C8C3E1C78</RequestId>
        <DomainName>example.com</DomainName>
      </BpsDataList>
</DescribeDomainBpsDataByTimeStampResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.

For a list of error codes, visit the API Error Center.

9.1.10. DescribeDomainHitRateData

Queries the byte hit ratios of one or more accelerated domain names. Hit ratios are measured in percentage. You can query data collected within the last 90 days.

> **Note**
>
> - If you do not set **StartTime** or **EndTime**, data collected within the last 24 hours is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainHitRateData	The operation that you want to perform. Set the value to **DescribeDomainHitRateData**.
DomainName	String	No	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,). By default, the byte hit ratios of all accelerated domain names that belong to your Alibaba Cloud account are queried.
StartTime	String	No	2019-12-30T08:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Parameter	Type	Required	Example	Description
EndTime	String	No	2019-12-30T08:10:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time range between StartTime and EndTime is less than 3 days, the valid values are **300**, **3600**, and **86400**. If you do not specify a value for this parameter, **300** is used. • If the time range between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time range between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Response parameters

Parameter	Type	Example	Description
DomainName	String	example.com	The information about the accelerated domain name.
DataInterval	String	300	The time interval between the data entries. Unit: seconds.
StartTime	String	2019-12-30T08:00:00Z	The start of the time range that was queried.
EndTime	String	2019-12-30T08:10:00Z	The end of the time range that was queried.

Parameter	Type	Example	Description
HitRateInterval	Array of DataModule		The byte hit ratio at each time interval. The byte hit ratio is measured in percentage.
DataModule			
TimeStamp	String	2019-12-30T08:00:00Z	The timestamp of the data returned.
Value	String	100.0	The byte hit ratio.
HttpsValue	String	50.0	The byte hit ratio of HTTPS requests.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainHitRateData
&DomainName=example.com
&StartTime=2019-12-30T08:00:00Z
&EndTime=2019-12-30T08:10:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainHitRateDataResponse>
  <DomainName>example.com</DomainName>
  <DataInterval>300</DataInterval>
  <RequestId>0A521165-99B6-41EF-B166-5B8B8068E1CF</RequestId>
  <EndTime>2019-12-30T08:10:00Z</EndTime>
  <StartTime>2019-12-30T08:00:00Z</StartTime>
  <HitRateInterval>
        <DataModule>
              <TimeStamp>2019-12-30T08:00:00Z</TimeStamp>
              <Value>74.82824427480917</Value>
              <HttpsValue>0</HttpsValue>
        </DataModule>
        <DataModule>
              <TimeStamp>2019-12-30T08:05:00Z</TimeStamp>
              <Value>62.83283497081019</Value>
              <HttpsValue>100</HttpsValue>
        </DataModule>
  </HitRateInterval>
</DescribeDomainHitRateDataResponse>
```

`JSON` format

```
{
    "DomainName":"example.com",
    "DataInterval": 300,
    "RequestId": "0A521165-99B6-41EF-B166-5B8B8068E1CF",
    "EndTime": "2019-12-30T08:10:00Z",
    "StartTime": "2019-12-30T08:00:00Z",
    "HitRateInterval": {
        "DataModule": [
            {
                "TimeStamp": "2019-12-30T08:00:00Z",
                "Value": "74.82824427480917",
                "HttpsValue": 0
            },
            {
                "TimeStamp": "2019-12-30T08:05:00Z",
                "Value": "62.83283497081019",
                "HttpsValue": 100
            }
        ]
    }
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.1.11. DescribeDomainsUsageByDay

You can call this operation to query the monitoring data of an accelerated domain name. The data was collected at an interval of one day. You can query data within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data within the last 24 hours is queried. If you set both StartTime and EndTime, data within the specified time range is queried.
> - You can query the monitoring data of a specific accelerated domain name or all accelerated domain names under your account.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainsUsageByDay	The operation that you want to perform. Set the value to **DescribeDomainsUsageByDay**.
DomainName	String	No	example.com	The accelerated domain name. You can specify only one domain name. If you do not specified an accelerated domain name, all accelerated domain names under your account are queried.
StartTime	String	No	2019-12-22T08:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-12-23T09:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description

Parameter	Type	Example	Description
RequestId	String	C88EF8ED-72F0-45EA-9E86-95114E224FC5	The ID of the request.
DomainName	String	example.com	The accelerated domain name.
DataInterval	String	86400	The time interval between the data entries. Unit: second.
StartTime	String	2019-12-22T08:00:00Z	The beginning of the time range that was queried.
EndTime	String	2019-12-23T09:00:00Z	The end of the time range that was queried.
UsageByDays	Array		The monitoring data collected at each time interval.
UsageByDay			
BytesHitRate	String	97.46250599529726	The cache hit ratio that is calculated based on response bytes.
TimeStamp	String	2019-12-22	The timestamp of the data returned.
Qps	String	7.466354166666667	The number of queries per second.
RequestHitRate	String	70.24770071912111	The cache hit ratio that is calculated based on requests.
MaxBps	String	306747.76	The peak bandwidth.
MaxBpsTime	String	2019-12-23 10:55:00	The time when the bandwidth reached the peak value.
MaxSrcBps	String	72584.072	The peak bandwidth of back-to-origin requests.
TotalAccess	String	645093	The total number of back-to-origin requests.

Parameter	Type	Example	Description
MaxSrcBpsTime	String	2019-12-23 11:45:00	The time when the bandwidth of back-to-origin requests reached the peak value.
TotalTraffic	String	564300099309	The total amount of network traffic.
UsageTotal	Struct		The summarized monitoring data.
BytesHitRate	String	97.03110726801242	The cache hit ratio that is calculated based on response bytes.
RequestHitRate	String	69.92610837438424	The cache hit ratio that is calculated based on requests.
MaxBps	String	1.0747912780000001E8	The peak bandwidth.
MaxBpsTime	String	2019-12-23 10:55:00	The time when the bandwidth reached the peak value.
MaxSrcBps	String	72584.072	The peak bandwidth of back-to-origin requests.
TotalAccess	String	1319500	The total number of back-to-origin requests.
MaxSrcBpsTime	String	2019-12-23 11:45:00	The time when the bandwidth of back-to-origin requests reached the peak value.
TotalTraffic	String	1117711832100	The total amount of network traffic.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainsUsageByDay
&DomainName=example.com
&StartTime=2019-12-22T08:00:00Z
&EndTime=2019-12-23T09:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainsUsageByDayResponse>
  <UsageTotal>
        <RequestHitRate>0.46869615163699024</RequestHitRate>
        <MaxSrcBpsTime>2019-12-23 11:45:00</MaxSrcBpsTime>
        <MaxSrcBps>72584.072</MaxSrcBps>
        <MaxBps>306747.76</MaxBps>
        <TotalTraffic>220090843</TotalTraffic>
        <TotalAccess>1741</TotalAccess>
        <MaxBpsTime>2019-12-23 10:55:00</MaxBpsTime>
        <BytesHitRate>0.9338625414779297</BytesHitRate>
  </UsageTotal>
  <UsageByDays>
        <UsageByDay>
              <TimeStamp>2019-12-23</TimeStamp>
              <RequestHitRate>0.46869615163699024</RequestHitRate>
              <MaxSrcBpsTime>2019-12-23 11:45:00</MaxSrcBpsTime>
              <MaxSrcBps>72584.072</MaxSrcBps>
              <MaxBps>306747.76</MaxBps>
              <TotalTraffic>220090843</TotalTraffic>
              <TotalAccess>1741</TotalAccess>
              <MaxBpsTime>2019-12-23 10:55:00</MaxBpsTime>
              <Qps>0.020150462962962964</Qps>
              <BytesHitRate>0.9338625398107486</BytesHitRate>
        </UsageByDay>
  </UsageByDays>
  <RequestId>0DE5531F-A7C2-4788-A35A-38883193B2D8</RequestId>
  <EndTime>2019-12-23T09:00:00Z</EndTime>
  <StartTime>2019-12-22T08:00:00Z</StartTime>
  <DomainName>example.com</DomainName>
  <DataInterval>86400</DataInterval>
</DescribeDomainsUsageByDayResponse>
```


`JSON` format

```
{
    "UsageTotal": {
        "RequestHitRate": "0.46869615163699024",
        "MaxSrcBpsTime": "2019-12-23 11:45:00",
        "MaxSrcBps": 72584.072,
        "MaxBps": 306747.76,
        "TotalTraffic": 220090843,
        "TotalAccess": 1741,
        "MaxBpsTime": "2019-12-23 10:55:00",
        "BytesHitRate": "0.9338625414779297"
    },
    "UsageByDays": {
        "UsageByDay": [
            {
                "TimeStamp": "2019-12-23",
                "RequestHitRate": "0.46869615163699024",
                "MaxSrcBpsTime": "2019-12-23 11:45:00",
                "MaxSrcBps": 72584.072,
                "MaxBps": 306747.76,
                "TotalTraffic": 220090843,
                "TotalAccess": 1741,
                "MaxBpsTime": "2019-12-23 10:55:00",
                "Qps": "0.020150462962962964",
                "BytesHitRate": "0.9338625398107486"
            }
        ]
    },
    "RequestId": "0DE5531F-A7C2-4788-A35A-38883193B2D8",
    "EndTime": "2019-12-23T09:00:00Z",
    "StartTime": "2019-12-22T08:00:00Z",
    "DomainName":"example.com",
    "DataInterval":86400
}
```


Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.

HttpCode	Error code	Error message	Description
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid.
404	InvalidDomain.NotFound	The domain provided does not exist in our records.	The error message returned because the specified domain name does not exist or is not under the current account. Check whether the specified name is correctly entered, whether it is under the current account, and whether it is expired.

For a list of error codes, visit the API Error Center.

9.1.12. DescribeDomainSrcTrafficData

Queries the monitoring data of back-to-origin traffic for accelerated domain names. The network traffic is measured in bytes. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainSrcTrafficData	The operation that you want to perform. Set the value to **DescribeDomainSrcTrafficData**.

Parameter	Type	Required	Example	Description
DomainName	String	No	example.com	The accelerated domain names. Separate multiple domain names with commas (,). By default, this operation queries the monitoring data of back-to-origin traffic for all accelerated domain names.
StartTime	String	No	2015-12-10T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2015-12-10T21:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Response parameters

Parameter	Type	Example	Description

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the data entries returned. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
StartTime	String	2015-12-10T20:00:00Z	The beginning of the time range that was queried.
EndTime	String	2015-12-10T21:00:00Z	The end of the time range that was queried.
RequestId	String	A666D44F-19D6-490E-97CF-1A64AB962C57	The ID of the request.
SrcTrafficDataPerInterval	Array of DataModule		The back-to-origin network traffic returned at each interval.
DataModule			
HttpsValue	String	0	The amount of traffic generated by back-to-origin HTTPS requests.
TimeStamp	String	2015-12-10T20:35:00Z	The timestamp of the data.
Value	String	0	The amount of back-to-origin traffic.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainSrcTrafficData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T21:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainSrcTrafficDataResponse>
      <DomainName>example.com</DomainName>
      <DataInterval>300</DataInterval>
      <SrcFlowDataPerInterval>
            <DataModule>
                  <TimeStamp>2015-12-10T21:00:00Z</TimeStamp>
                  <Value>0</Value>
                  <HttpsValue>0</HttpsValue>
            </DataModule>
            <DataModule>
                  <TimeStamp>2015-12-10T20:35:00Z</TimeStamp>
                  <Value>0</Value>
                  <HttpsValue>0</HttpsValue>
            </DataModule>
      </SrcFlowDataPerInterval>
      <RequestId>A666D44F-19D6-490E-97CF-1A64AB962C57</RequestId>
      <StartTime>2015-12-10T20:00:00Z</StartTime>
      <EndTime>2015-12-10T21:00:00Z</EndTime>
</DescribeDomainSrcTrafficDataResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	StartTime and EndTime can not be single.	The error message returned because both the StartTime and EndTime parameters must be set.

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Mismatch	Specified end time does not math the specified start time.	The error message returned because the end time must be later than the start time.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.

For a list of error codes, visit the API Error Center.

9.1.13. DescribeRangeDataByLocateAndIspService

Queries the bandwidth values at a specific time based on an Internet service provider (ISP) in different regions for an accelerated domain name.

> **Note**
> - The data is collected every 5 minutes.
> - The maximum number of times that each user can call this operation per second is 20.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeRangeDataByLocateAndIspService	The operation that you want to perform. Set the value to **DescribeRangeDataByLocateAndIspService**.
DomainNames	String	Yes	example.com	The accelerated domain name.
EndTime	String	Yes	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time. The difference between the end time and the start time cannot exceed 1 hour.
StartTime	String	Yes	2019-11-30T05:33:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
IspNames	String	No	unicom	The name of the ISP. You can specify only one ISP name in each call. You can call the DescribeCdnRegionAndIsp operation to query ISPs.
LocationNames	String	No	liaoning,guangxi	The names of the regions. Separate regions with commas (,). You can call the DescribeCdnRegionAndIsp operation to query the most recent region list.

Response parameters

Parameter	Type	Example	Description

Parameter	Type	Example	Description
JsonResult	String	{"1472659200": {"Tianjin":{"China Telecom": {"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 }}}}	The response parameters in JSON format. These parameters indicate the following information in sequence: UNIX time, region, ISP, distribution of HTTP status codes, response time, bandwidth (bit/s), average response rate, page views, cache hit ratio, and request hit ratio.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeRangeDataByLocateAndIspService
&DomainNames=example.com
&LocationNames=liaoning,guangxi
&IspNames=unicom
&startTime=2019-11-30T05:33:00Z
&EndTime=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeRangeDataByLocateAndIspServiceResponse>
<JsonResult>
    <1472659200>
        <Tianjin>
            <China Telecom>
                <bandwidth>9889849.592</bandwidth>
                <pv>5739</pv>
                <hit_rate>0</hit_rate>
                <http_codes>
                    <200>5675</200>
                    <206>5</206>
                    <302>5</302>
                    <304>45</304>
                    <400>1</400>
                    <403>8</403>
                    <404>0</404>
                    <405>0</405>
                    <408>0</408>
                    <412>0</412>
                    <416>0</416>
```

```
                <500>0</500>
                <501>0</501>
                <502>0</502>
                <503>0</503>
                <504>0</504>
                <000>0</000>
            </http_codes>
            <rt>0</rt>
        </China Telecom>
        <China Unicom/>
        <China Mobile/>
    </Tianjin>
    <Beijing>
        <China Telecom>
            <bandwidth>9889849.592</bandwidth>
            <pv>5739</pv>
            <hit_rate>0</hit_rate>
            <http_codes>
                <200>5675</200>
                <206>5</206>
                <302>5</302>
                <304>45</304>
                <400>1</400>
                <403>8</403>
                <404>0</404>
                <405>0</405>
                <408>0</408>
                <412>0</412>
                <416>0</416>
                <500>0</500>
                <501>0</501>
                <502>0</502>
                <503>0</503>
                <504>0</504>
                <000>0</000>
            </http_codes>
            <rt>0</rt>
        </China Telecom>
        <China Unicom/>
        <China Mobile/>
    </Beijing>
</1472659200>
<1472659500>
    <Tianjin>
        <China Telecom>
            <bandwidth>7024681.44</bandwidth>
            <pv>5819</pv>
            <hit_rate>0</hit_rate>
            <http_codes>
                <200>5716</200>
                <206>11</206>
                <302>3</302>
                <304>72</304>
                <400>1</400>
                <403>16</403>
```

```
                    <403>16</403>
                    <404>0</404>
                    <405>0</405>
                    <408>0</408>
                    <412>0</412>
                    <416>0</416>
                    <500>0</500>
                    <501>0</501>
                    <502>0</502>
                    <503>0</503>
                    <504>0</504>
                    <000>0</000>
                </http_codes>
                <rt>0</rt>
            </China Telecom>
            <China Unicom/>
            <China Mobile/>
        </Tianjin>
    </1472659500>
</JsonResult>
<RequestId>16A96B9A-F203-4EC5-8E43-CB92E68F4CD8</RequestId>
</DescribeRangeDataByLocateAndIspServiceResponse>
```

`JSON` format

```
{
    "JsonResult":[{
    "1472659200": {
        "Tianjin": { {
            "China Telecom" {
                "bandwidth": 9889849.592,
                "pv": 5739,
                "hit_rate": 0,
                "http_codes": {
                    "200": 5675,
                    "206": 5,
                    "302": 5,
                    "304": 45,
                    "400": 1,
                    "403": 8,
                    "404": 0,
                    "405": 0,
                    "408": 0,
                    "412": 0,
                    "416": 0,
                    "500": 0,
                    "501": 0,
                    "502": 0,
                    "503": 0,
                    "504": 0,
                    "000": 0
                },
                "rt": 0
            },
```

```
            "China Unicom": {},
            "China Mobile": {}
        },
        "Beijing": { {
            "China Telecom" {
                "bandwidth": 9889849.592,
                "pv": 5739,
                "hit_rate": 0,
                "http_codes": {
                    "200": 5675,
                    "206": 5,
                    "302": 5,
                    "304": 45,
                    "400": 1,
                    "403": 8,
                    "404": 0,
                    "405": 0,
                    "408": 0,
                    "412": 0,
                    "416": 0,
                    "500": 0,
                    "501": 0,
                    "502": 0,
                    "503": 0,
                    "504": 0,
                    "000": 0
                },
                "rt": 0
            },
            "China Unicom": {},
            "China Mobile": {}
        }
    },
    "1472659500": {
        "Tianjin": { {
            "China Telecom" {
                "bandwidth": 7024681.44,
                "pv": 5819,
                "hit_rate": 0,
                "http_codes": {
                    "200": 5716,
                    "206": 11,
                    "302": 3,
                    "304": 72,
                    "400": 1,
                    "403": 16,
                    "404": 0,
                    "405": 0,
                    "408": 0,
                    "412": 0,
                    "416": 0,
                    "500": 0,
                    "501": 0,
                    "502": 0,
```

```
                    "503": 0,
                    "504": 0,
                    "000": 0
                },
                "rt": 0
            },
            "China Telecom" {},
            "China Mobile": {}
        }
    }
}],
    "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

9.1.14. DescribeDomainSrcHttpCodeData

Queries the total number and proportions of HTTP status codes returned from accelerated domain names. The data is collected at an interval of five minutes. You can query data collected within the last 90 days.

Note

- If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
- The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainSrcHttpCodeData	The operation that you want to perform. Set the value to **DescribeDomainSrcHttpCodeData**.
DomainName	String	No	example.com,example.org	The accelerated domain names. Separate multiple domain names with commas (,).
StartTime	String	No	2019-11-30T05:33:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.

Parameter	Type	Required	Example	Description
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the entries returned. Unit: seconds.
DomainName	String	example.com,example.org	The accelerated domain name.
EndTime	String	2015-11-30T05:40:00Z	The end of the time range that was queried.
HttpCodeData	Array of UsageData		The proportions of HTTP status codes at each time interval.
UsageData			
TimeStamp	String	2015-11-30T05:30:00Z	The timestamp of the data.
Value	Array of CodeProportionData		The proportions of HTTP status codes.
CodeProportionData			

Parameter	Type	Example	Description
Code	String	200	The HTTP status code.
Count	String	2300	The total number of HTTP status codes returned.
Proportion	String	67.1458998935037	The proportion of the HTTP status code.
RequestId	String	BC858082-736F-4A25-867B-E5B67C85ACF7	The ID of the request.
StartTime	String	2015-11-30T05:33:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainSrcHttpCodeData
&DomainName=example.com,example.org
&StartTime=2019-11-30T05:33:00Z
&EndTime=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainSrcHttpCodeDataResponse>
  <HttpCodeData>
        <UsageData>
              <TimeStamp>2019-11-30T05:35:00Z</TimeStamp>
              <Value>
                    <CodeProportionData>
                          <Count>1</Count>
                          <Proportion>100</Proportion>
                          <Code>200</Code>
                    </CodeProportionData>
              </Value>
        </UsageData>
  </HttpCodeData>
  <DataInterval>300</DataInterval>
  <RequestId>A2E05931-13B7-40C3-843F-ECD9423959C1</RequestId>
  <EndTime>2019-11-30T05:40:00Z</EndTime>
  <StartTime>2019-11-30T05:33:00Z</StartTime>
</DescribeDomainSrcHttpCodeDataResponse>
```

`JSON` format

```
{
    "HttpCodeData": {
        "UsageData": [
            {
                "TimeStamp": "2019-11-30T05:35:00Z",
                "Value": {
                    "CodeProportionData": [
                        {
                            "Count": 1,
                            "Proportion": 100,
                            "Code": "200"
                        }
                    ]
                }
            }
        ]
    },
    "DataInterval": 300,
    "RequestId": "A2E05931-13B7-40C3-843F-ECD9423959C1",
    "EndTime": "2019-11-30T05:40:00Z",
    "StartTime": "2019-11-30T05:33:00Z"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.1.15. DescribeDomainSrcBpsData

Queries the bandwidth values of back-to-origin requests. You can query data collected within the last 90 days.

When you call this operation, note that:

- The unit of bandwidth values is bit/s.
- If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
- You can specify one or more domain names. Separate multiple domain names with commas (,).
- The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainSrcBpsData	The operation that you want to perform. Set the value to **DescribeDomainSrcBpsData**.
DomainName	String	No	example.com	The accelerated domain names. Separate multiple domain names with commas (,). By default, this operation queries the bandwidth values of back-to-origin requests for all accelerated domain names.
StartTime	String	No	2019-12-10T20:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-12-10T20:30:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the entries returned. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
StartTime	String	2019-12-10T20:00:00Z	The beginning of the time range that was queried.
EndTime	String	2019-12-10T20:30:00Z	The end of the time range that was queried.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.
SrcBpsDataPerInterval	Array of DataModule		The bandwidth values collected at each interval.
DataModule			
HttpsValue	String	10	The bandwidth values of HTTPS requests.
TimeStamp	String	2019-12-10T20:00:00Z	The timestamp of the data.
Value	String	500	The bandwidth value.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainSrcBpsData
&DomainName=example.com
&StartTime=2019-12-10T20:00:00Z
&EndTime=2019-12-10T20:30:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainSrcBpsDataResponse>
  <SrcBpsDataPerInterval>
        <DataModule>
              <TimeStamp>2019-12-10T20:00:00Z</TimeStamp>
              <Value>31.709333333333337</Value>
              <HttpsValue>0</HttpsValue>
        </DataModule>
        <DataModule>
              <TimeStamp>2019-12-10T20:05:00Z</TimeStamp>
              <Value>31.709333333333337</Value>
              <HttpsValue>0</HttpsValue>
        </DataModule>
        <DataModule>
              <TimeStamp>2019-12-10T20:10:00Z</TimeStamp>
              <Value>31.709333333333337</Value>
              <HttpsValue>0</HttpsValue>
        </DataModule>
        <DataModule>
              <TimeStamp>2019-12-10T20:15:00Z</TimeStamp>
              <Value>31.709333333333337</Value>
              <HttpsValue>0</HttpsValue>
        </DataModule>
        <DataModule>
              <TimeStamp>2019-12-10T20:20:00Z</TimeStamp>
              <Value>31.709333333333337</Value>
              <HttpsValue>0</HttpsValue>
        </DataModule>
        <DataModule>
              <TimeStamp>2019-12-10T20:25:00Z</TimeStamp>
              <Value>43.32533333333333</Value>
              <HttpsValue>0</HttpsValue>
        </DataModule>
  </SrcBpsDataPerInterval>
  <DataInterval>300</DataInterval>
  <RequestId>28B4EBA6-0AF4-407A-AAC9-6BC5F8D8158B</RequestId>
  <EndTime>2019-12-10T20:30:00Z</EndTime>
  <StartTime>2019-12-10T20:00:00Z</StartTime>
</DescribeDomainSrcBpsDataResponse>
```


`JSON` format

```
{
    "SrcBpsDataPerInterval": {
        "DataModule": [
            {
                "TimeStamp": "2019-12-10T20:00:00Z",
                "Value": "31.709333333333337",
                "HttpsValue": 0
            },
            {
                "TimeStamp": "2019-12-10T20:05:00Z",
                "Value": "31.709333333333337",
                "HttpsValue": 0
            },
            {
                "TimeStamp": "2019-12-10T20:10:00Z",
                "Value": "31.709333333333337",
                "HttpsValue": 0
            },
            {
                "TimeStamp": "2019-12-10T20:15:00Z",
                "Value": "31.709333333333337",
                "HttpsValue": 0
            },
            {
                "TimeStamp": "2019-12-10T20:20:00Z",
                "Value": "31.709333333333337",
                "HttpsValue": 0
            },
            {
                "TimeStamp": "2019-12-10T20:25:00Z",
                "Value": "43.32533333333333",
                "HttpsValue": 0
            }
        ]
    },
    "DataInterval": 300,
    "RequestId": "28B4EBA6-0AF4-407A-AAC9-6BC5F8D8158B",
    "EndTime": "2019-12-10T20:30:00Z",
    "StartTime": "2019-12-10T20:00:00Z"
}
```


Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	StartTime and EndTime can not be single.	The error message returned because both the StartTime and EndTime parameters must be set.

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Mismatch	Specified end time does not math the specified start time.	The error message returned because the end time must be later than the start time.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.

For a list of error codes, visit the API Error Center.

9.1.16. DescribeDomainBpsData

Queries bandwidth metrics for one or more accelerated domain names.

> **Note**
> - The unit of bandwidth is bit/s.
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - You can query data collected within the last 90 days.
> - The maximum number of times that each user can call this operation per second is 150.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainBpsData	The operation that you want to perform. Set the value to **DescribeDomainBpsData**.
DomainName	String	No	example.com	The accelerated domain name. You can specify multiple accelerated domain names and separate them with commas (,). By default, all accelerated domain names are queried.
StartTime	String	No	2020-05-14T09:50:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2020-05-14T10:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Parameter	Type	Required	Example	Description
IspNameEn	String	No	telecom	The name of the Internet service provider (ISP) for your Content Delivery Network (CDN) service. You can call the DescribeCdnRegionAndIsp operation to query the ISP name. If you do not set this parameter, all ISPs are queried.
LocationNameEn	String	No	beijing	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query regions. If you do not set this parameter, the data of the accelerated domain names in all regions is returned.

Response parameters

Parameter	Type	Example	Description
BpsDataPerInterval	Array of DataModule		The bandwidth values collected at each interval.
DataModule			
DomesticValue	String	11286111	The bandwidth values inside mainland China. When the bandwidth data is queried by ISP, no value is returned.
HttpsDomesticValue	String	11286111	The bandwidth values for HTTPS requests redirected to L1 nodes inside mainland China. When the bandwidth data is queried by ISP, no value is returned.
HttpsOverseasValue	String	2000	The bandwidth values for HTTPS requests redirected to L1 nodes in regions outside mainland China. When the bandwidth data is queried by ISP, no value is returned.
HttpsValue	String	11288111	The bandwidth values for HTTPS requests redirected to L1 nodes, in bit/s.

Parameter	Type	Example	Description
OverseasValue	String	2000	The bandwidth values in regions outside mainland China. When the bandwidth data is queried by ISP, no value is returned.
TimeStamp	String	2015-12-10T20:00:00Z	The timestamp of the returned data.
Value	String	11288111	The bandwidth value, in bit/s.
DataInterval	String	300	The time interval between the returned entries, in seconds.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2015-12-10T20:00Z	The end of the time range that was queried.
IspNameEn	String	unicom	The name of the Internet service provider (ISP) for your Alibaba Cloud Content Delivery Network (DCDN) service.
LocationNameEn	String	beijing	The name of the region.
RequestId	String	3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F	The ID of the request.
StartTime	String	2020-05-14T09:50:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeDomainBpsData
&DomainName=example.com
&StartTime=2020-05-14T09:50:00Z
&EndTime=2020-05-14T10:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainBpsDataResponse>
      <BpsDataPerInterval>
            <DataModule>
                  <DomesticValue>11286111</DomesticValue>
                  <HttpsDomesticValue>11288111</HttpsDomesticValue>
                  <HttpsOverseasValue>2000</HttpsOverseasValue>
                  <HttpsValue>11288111</HttpsValue>
                  <OverseasValue>2000</OverseasValue>
                  <TimeStamp>2015-12-10T20:00:00Z</TimeStamp>
                  <Value>11288111</Value>
            </DataModule>
      </BpsDataPerInterval>
      <DataInterval>300</DataInterval>
      <DomainName>example.com</DomainName>
      <EndTime>2015-12-10T21:00Z</EndTime>
      <IspNameEn>unicom</IspNameEn>
      <LocationNameEn>beijing</LocationNameEn>
      <RequestId>3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F</RequestId>
      <StartTime>2015-12-10T20:00Z</StartTime>
</DescribeDomainBpsDataResponse>
```

`JSON` format

```
{
    "RequestId": "0AD87822-E8CE-436B-B434-C13F53B5B2D4",
    "EndTime": "2020-05-14T10:00:00Z",
    "DataInterval": 300,
    "StartTime": "2020-05-14T09:50:00Z",
    "BpsDataPerInterval": {
        "DataModule": [
            {
                "OverseasValue": 0,
                "HttpsValue": 0,
                "Value": "83.48266666666667",
                "HttpsDomesticValue": 0,
                "TimeStamp": "2020-05-14T09:50:00Z",
                "HttpsOverseasValue": 0,
                "DomesticValue": "83.48266666666667"
            },
            {
                "OverseasValue": 0,
                "HttpsValue": 0,
                "Value": 83.424,
                "HttpsDomesticValue": 0,
                "TimeStamp": "2020-05-14T09:55:00Z",
                "HttpsOverseasValue": 0,
                "DomesticValue": 83.424
            }
        ]
    }
}
```

Error codes

HTTP status code	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

9.1.17. DescribeDomainQpsData

Queries the number of queries per second for an accelerated domain name. The data is collected every 5 minutes. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainQpsData	The operation that you want to perform. Set the value to **DescribeDomainQpsData**.
DomainName	String	No	example.com	The accelerated domain name. You can specify one or more domain names. Separate multiple domain names with commas (,). By default, this operation queries the number of queries per second for all accelerated domain names.
StartTime	String	No	2019-11-30T05:33:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time range between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time range between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time range between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.

Parameter	Type	Required	Example	Description
IspNameEn	String	No	unicom	The name of the Internet service provider (ISP) for your Content Delivery Network (CDN) service. You can call the DescribeCdnRegionAndIsp operation to query ISPs. If you do not set this parameter, all ISPs are queried.
LocationNameEn	String	No	beijing	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list. If you do not set this parameter, all regions are queried.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the data entries returned. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
StartTime	String	2019-11-30T05:33:00Z	The beginning of the time range that was queried.
EndTime	String	2019-11-30T05:40:00Z	The end of the time range that was queried.
RequestId	String	B8333EDB-4595-46E0-AFE9-29BAA290D0E0	The ID of the request.
QpsDataInterval	Array of DataModule		The number of queries per second at each time interval.
DataModule			
AccDomesticValue	String	0	The number of visits inside mainland China.
AccOverseasValue	String	0	The number of visits outside mainland China.
AccValue	String	0	The total number of visits.

Parameter	Type	Example	Description
DomesticValue	String	0	The number of queries per second in mainland China.
HttpsAccDomesticValue	String	1	The number of HTTPS requests sent to L1 CDN nodes inside mainland China.
HttpsAccOverseasValue	String	1	The number of HTTPS requests sent to L1 CDN nodes outside mainland China.
HttpsAccValue	String	1	The total number of HTTPS requests sent to L1 CDN nodes.
HttpsDomesticValue	String	1	The number of queries per second that is calculated based on the HTTPS requests sent to L1 CDN nodes inside mainland China.
HttpsOverseasValue	String	1	The number of queries per second that is calculated based on the HTTPS requests sent to L1 CDN nodes outside mainland China.
HttpsValue	String	1	The number of queries per second that is calculated based on the HTTPS requests sent to L1 CDN nodes.
OverseasValue	String	0	The number of queries per second outside mainland China.
TimeStamp	String	2019-11-30T05:40:00Z	The timestamp of the data returned.
Value	String	0	The total number of queries per second.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainQpsData
&DomainName=example.com
&StartTime=2019-11-30T05:33:00Z
&EndTime=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainQpsDataResponse>
  <QpsDataInterval>
        <DataModule>
              <HttpsOverseasValue>0</HttpsOverseasValue>
              <TimeStamp>2019-11-30T05:35:00Z</TimeStamp>
              <HttpsAccOverseasValue>0</HttpsAccOverseasValue>
              <Value>0.006666666666666667</Value>
              <OverseasValue>0</OverseasValue>
              <HttpsDomesticValue>0</HttpsDomesticValue>
              <AccOverseasValue>0</AccOverseasValue>
              <AccValue>2</AccValue>
              <HttpsAccValue>0</HttpsAccValue>
              <DomesticValue>0.006666666666666667</DomesticValue>
              <HttpsAccDomesticValue>0</HttpsAccDomesticValue>
              <HttpsValue>0</HttpsValue>
        </DataModule>
  </QpsDataInterval>
  <DataInterval>300</DataInterval>
  <RequestId>C2416D6C-B10A-474C-8FE8-0F9EF7ACA674</RequestId>
  <EndTime>2019-11-30T05:40:00Z</EndTime>
  <StartTime>2019-11-30T05:33:00Z</StartTime>
</DescribeDomainQpsDataResponse>
```

`JSON` format

```
{
    "QpsDataInterval": {
        "DataModule": [
            {
                "HttpsOverseasValue": 0,
                "TimeStamp": "2019-11-30T05:35:00Z",
                "HttpsAccOverseasValue": 0,
                "Value": "0.006666666666666667",
                "OverseasValue": 0,
                "HttpsDomesticValue": 0,
                "AccOverseasValue": 0,
                "AccValue": 2,
                "HttpsAccValue": 0,
                "DomesticValue": "0.006666666666666667",
                "HttpsAccDomesticValue": 0,
                "HttpsValue": 0
            }
        ]
    },
    "DataInterval": 300,
    "RequestId": "C2416D6C-B10A-474C-8FE8-0F9EF7ACA674",
    "EndTime": "2019-11-30T05:40:00Z",
    "StartTime": "2019-11-30T05:33:00Z"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.1.18. DescribeDomainQpsDataByLayer

Queries the number of queries per second at a specific layer for an accelerated domain name. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 20.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainQpsDataByLayer	The operation that you want to perform. Set the value to **DescribeDomainQpsDataByLayer**.
DomainName	String	No	example.com	The accelerated domain names. Separate multiple domain names with commas (,). By default, this operation queries the number of queries per second for all accelerated domain names.
StartTime	String	No	2019-11-30T05:33:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Parameter	Type	Required	Example	Description
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • No less than 31 days: **86400**. Default value:**86400**.
IspNameEn	String	No	unicom	The name of the Internet service provider (ISP) for your Content Delivery Network (CDN) service. You can call the DescribeCdnRegionAndIsp operation to query ISPs. If you do not set this parameter, all ISPs are queried.
LocationNameEn	String	No	beijing	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query regions. If you do not set this parameter, all regions are queried.

Parameter	Type	Required	Example	Description
Layer	String	No	all	The layers at which you want to query the number of queries per second. Valid values: • **Network layer**: **IPv4** and **IPv6**. • **Application layer**: **http**, **https**, and **quic**. • **all**: This is the default value. Both the network and application layers are included.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	300	The time interval between the entries returned. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2019-11-30T05:40:00Z	The end of the time range that was queried.
Layer	String	all	The layer at which the data was collected.
QpsDataInterval	Array of DataModule		The number of queries per second at each time interval.
DataModule			
AccDomesticValue	String	12	The number of requests in mainland China.
AccOverseasValue	String	44	The number of requests outside mainland China.
AccValue	String	56	The number of requests in all regions.
DomesticValue	String	0.12	The number of queries per second in mainland China.

Parameter	Type	Example	Description
OverseasValue	String	0.44	The number of queries per second outside mainland China.
TimeStamp	String	2015-12-10T21:00:00Z	The timestamp of the data.
Value	String	0.56	The total number of queries per second in all regions.
RequestId	String	BEA5625F-8FCF-48F4-851B-CA63946DA664	The ID of the request.
StartTime	String	2019-11-30T05:33:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainQpsDataByLayer
&DomainName=example.com
&StartTime=2019-11-30T05:33:00Z
&EndTime=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainQpsDataByLayerResponse>
      <QpsDataInterval>
            <AccDomesticValue>12</AccDomesticValue>
            <AccOverseasValue>44</AccOverseasValue>
            <TimeStamp>2015-12-10T21:00:00Z</TimeStamp>
            <Value>0.56</Value>
            <AccValue>56</AccValue>
            <DomesticValue>0.12</DomesticValue>
            <OverseasValue>0.44</OverseasValue>
      </QpsDataInterval>
      <Layer>all</Layer>
      <DomainName>example.com</DomainName>
      <DataInterval>300</DataInterval>
      <RequestId>BEA5625F-8FCF-48F4-851B-CA63946DA664</RequestId>
      <StartTime>2019-11-30T05:33:00Z</StartTime>
      <EndTime>2019-11-30T05:40:00Z</EndTime>
</DescribeDomainQpsDataByLayerResponse>
```

`JSON` format

```
{
    "QpsDataInterval": {
                "AccDomesticValue":"12",
                "AccOverseasValue":"44",
                "TimeStamp": "2015-12-10T21:00:00Z",
                "Value": "0.56",
                "AccValue": "56" ,
                "DomesticValue":"0.12",
                "OverseasValue":"0.44"
            },
    "Layer": "all",
    "DomainName": "example.com",
    "DataInterval": "300",
    "RequestId": "BEA5625F-8FCF-48F4-851B-CA63946DA664",
    "StartTime": "2019-11-30T05:33:00Z",
    "EndTime": "2019-11-30T05:40:00Z"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.1.19. DescribeDomainDetailDataByLayer

Queries the detailed data of one or more accelerated domain names by protocol. Data is collected by domain name every 5 minutes.

Note

- If you specify the StartTime and the EndTime parameters, the QPS data within the specified time range is queried. The StartTime and the EndTime parameters must be specified together.
- You can specify multiple domain names (no more than 30) and separate them with commas (,).
- You can query data within the last hour.
- The maximum number of times that each user can call this operation per second is 20.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainDetailDataByLayer	The operation that you want to perform. Set the value to **DescribeDomainDetailDataByLayer**.
DomainName	String	Yes	example.com	The domain name for which you want to query data. You can specify multiple domain names and separate them with commas (,). You can specify at most 30 domain names in each call.
Field	String	Yes	bps,ipv6_traf,traf,http_code,qps	The metric from which you want to collect data. You can specify one or more protocols and separate them with commas (,). Valid values: **bps**, **qps**, **traf**, **acc**, **ipv6_traf**, **ipv6_bps**, **ipv6_acc**, **ipv6_qps**, and **http_code**.
StartTime	String	Yes	2020-07-05T22:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The minimum time interval between data entries is 5 minutes.
EndTime	String	Yes	2020-07-05T22:05:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
LocationNameEn	String	No	hangzhou	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query regions. If you do not specify a region, data in all regions is queried.

Parameter	Type	Required	Example	Description
IspNameEn	String	No	telecom	The name of the Internet service provider (ISP) for your Alibaba Cloud CDN service. You can call the DescribeCdnRegionAndIsp operation to query the ISP name. If you do not specify an ISP, the data of all ISPs is queried.
Layer	String	No	all	The protocol by which you want to query data. Valid values: **http**, **https**, **quic**, and **all**. The default value is **all**.

Response parameters

Parameter	Type	Example	Description
Data	Array of DataModule		The detailed data of the accelerated domain names.
DataModule			
Acc	Long	2	The number of requests.
Bps	Float	21060178715.146667	The bandwidth, in **bit/s**.
DomainName	String	example.com	The domain name for which the data is queried.
HttpCode	String	200:44349|206:1753719|304:45|403:1095|416:1|499:332	The proportions of HTTP status codes.
Ipv6Acc	Long	1	The number of IPv6 requests.
Ipv6Bps	Float	0	The bandwidth of IPv6 requests. Unit: bit/s.
Ipv6Qps	Float	0	The number of IPv6 requests per second.
Ipv6Traf	Long	141718944482	The amount of network traffic generated by IPv6 requests. Unit: bytes.

Parameter	Type	Example	Description
Qps	Float	5998.47	The number of queries per second.
TimeStamp	String	2020-07-05T22:00:00Z	The timestamp of the data returned.
Traf	Long	789756701818	The amount of network traffic. Unit: bytes.
RequestId	String	BEA5625F-8FCF-48F4-851B-CA63946DA664	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeDomainDetailDataByLayer
&DomainName=example.com
&Filed=bps,qps,traf,acc,ipv6_traf,ipv6_bps,ipv6_acc,ipv6_qps,http_code
&StartTime=2020-07-05T22:00:00Z
&EndTime=2020-07-05T22:05:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainDetailDataByLayerResponse>
  <Data>
        <Acc>2</Acc>
        <Ipv6Bps>0</Ipv6Bps>
        <HttpCode>200:2</HttpCode>
        <Ipv6Qps>0</Ipv6Qps>
        <Bps>268.8986666666667</Bps>
        <Traf>10083</Traf>
        <Ipv6Acc>0</Ipv6Acc>
        <DomainName>wenhuajuan.cdn.ialicdn.com</DomainName>
        <Qps>0.006666666666666667</Qps>
        <Ipv6Traf>0</Ipv6Traf>
        <TimeStamp>2020-09-07T03:35:00Z</TimeStamp>
  </Data>
  <RequestId>BEA5625F-8FCF-48F4-851B-CA63946DA664</RequestId>
</DescribeDomainDetailDataByLayerResponse>
```

`JSON` format

```
{
    "Data": [
        {
                "Acc": 2,
                "Ipv6Bps": 0,
                "HttpCode": "200:2",
                "Ipv6Qps": 0,
                "Bps": 268.8986666666667,
                "Traf": 10083,
                "Ipv6Acc": 0,
                "DomainName": "wenhuajuan.cdn.ialicdn.com",
                "Qps": 0.006666666666666667,
                "Ipv6Traf": 0,
                "TimeStamp": "2020-09-07T03:35:00Z"
        }
    ],
    "RequestId": "BEA5625F-8FCF-48F4-851B-CA63946DA664"
}
```


Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified start time is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified end time is malformed.	The error message returned because the format of the specified end time is invalid.

For a list of error codes, visit the API Error Center.

9.2. Real-time monitoring

9.2.1. DescribeDomainRealTimeDetailData

Queries the data usage of each Internet service provider (ISP) and the number of visits in each region.

> **Note**
> - You can query data within the last seven days. Data is collected every minute.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainRealTimeDetailData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeDetailData**.
DomainName	String	Yes	example.com	The accelerated domain name for which you want to query data. You can specify multiple accelerated domain names and separate them with commas (,).
StartTime	String	Yes	2019-11-30T05:33:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. Example: 2019-11-30T05:33:00Z.
EndTime	String	Yes	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. Example: 2019-11-30T05:40:00Z. **Note** The end time must be later than the start time. The difference between the end time and the start time cannot exceed 10 minutes.

Parameter	Type	Required	Example	Description
Field	String	Yes	qps	The type of data usage that you want to query. You can specify multiple data types and separate them with commas (,). Valid values: • **qps**: the number of queries per second. • **bps**: bandwidth values. • **http_code**: HTTP status codes.
LocationNameEn	String	No	Guangdong	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list. If you do not set this parameter, data in all regions is queried.
IspNameEn	String	No	telecom	The name of the Internet service provider. You can call the DescribeCdnRegionAndIsp operation to query ISPs. If you do not set this parameter, data of all ISPs is queried.
Merge	String	No	false	Specifies whether to merge the results. Valid values: • **true**: merges the results. • **false**: does not merge the results. This is the default value. Default value: **false**
MergeLocIsp	String	No	false	Specifies whether to merge the results. Valid values: • **true**: groups the results by domain name and merges the results by region and ISP. • **false**: groups the results by domain name. Default value: **false**

Response parameters

Parameter	Type	Example	Description

Parameter	Type	Example	Description
Data	String	"Data":{ "2019-11-30T05:40:00Z": { "example.com": { "Guangdong": { "telecom": { "qps": 10.0, "http_code": {"200": 1, "304": 2} } }, "Jiangsu": { "unicom": { "qps": 11.1, "http_code": {"200": 1, "304": 2, "403": 3} } } } }	The data usage of each ISP and the number of visits in each region.
RequestId	String	B49E6DDA-F413-422B-B58E-2FA23F286726	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com?Action=DescribeDomainRealTimeDetailData
&DomainName=example.com
&StartTime=2019-11-30T05:33:00Z
&EndTime=2019-11-30T05:40:00Z
&Field=qps
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainRealTimeDetailDataResponse>
<Data>
    <2018-06-05T20:00:00Z>
        <example.com>
            <Guangdong>
                <telecom>
                    <qps>10</qps>
                    <http_code>
                        <200>1</200>
                        <304>2</304>
                    </http_code>
                </telecom>
            </Guangdong>
            <Jiangsu>
                <unicom>
                    <qps>11.1</qps>
                    <http_code>
                        <200>1</200>
                        <304>2</304>
                        <403>3</403>
                    </http_code>
                </unicom>
            </Jiangsu>
        </example.com>
    </2018-06-05T20:00:00Z>
</Data>
<RequestId>B49E6DDA-F413-422B-B58E-2FA23F286726</RequestId>
</DescribeDomainRealTimeDetailDataResponse>
```

`JSON` format

```
{
  "Data": {
    "2018-06-05T20:00:00Z": {
      "example.com": {
        "Guangdong": {
          "telecom": {
            "qps": 10.0,
            "http_code": {
              "200": 1,
              "304": 2
            }
          }
        },
        "Jiangsu": {
          "unicom": {
            "qps": 11.1,
            "http_code": {
              "200": 1,
              "304": 2,
              "403": 3
            }
          }
        }
      }
    }
  },
  "RequestId": "B49E6DDA-F413-422B-B58E-2FA23F286726"
}
```


Error codes

HttpCode	Error code	Error message	Description
400	InvalidTime.Malformed	Specified StartTime or EndTime is malformed.	The error message returned because the format of the specified start time or end time is invalid.

For a list of error codes, visit the API Error Center.

9.2.2. DescribeDomainRealTimeSrcBpsData

Queries the bandwidth information about back-to-origin requests for one or more accelerated domain names. Data is collected every minute. You can query data collected within the last seven days.

> **Note**
> - The time range specified by the StartTime and EndTime parameters cannot exceed 24 hours.
> - If you do not set StartTime or EndTime, data collected within the last one hour is queried.
> - You can specify one or more accelerated domain names. Separate domain names with commas (,).
> - Bandwidth is measured in bit/s.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainRealTimeSrcBpsData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeSrcBpsData**.
DomainName	String	Yes	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,).
StartTime	String	No	2019-12-10T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-12-10T20:01:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	60	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com	The accelerated domain name for which the data was returned.
EndTime	String	2019-12-10T20:01:00Z	The end of the time range that was queried.
RealTimeSrcBpsDataPerInterval	Array of DataModule		The back-to-origin bandwidth information at each interval.
DataModule			
TimeStamp	String	2019-12-10T20:01:00Z	The timestamp of the data returned.
Value	String	0	The amount of back-to-origin network traffic.
RequestId	String	7CBCD6AD-B016-42E5-AE0B-B3731DE8F755	The ID of the request.
StartTime	String	2019-12-10T20:00:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeSrcBpsData
&DomainName=example.com
&StartTime=2019-12-10T20:00:00Z
&EndTime=2019-12-10T20:01:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainRealTimeSrcBpsDataResponse>
      <DomainName>example.com</DomainName>
      <DataInterval>60</DataInterval>
      <RealTimeSrcBpsDataPerInterval>
            <DataModule>
                  <TimeStamp>2019-12-10T20:00:00Z</TimeStamp>
                  <Value>821</Value>
            </DataModule>
            <DataModule>
                  <TimeStamp>2019-12-10T20:01:00Z</TimeStamp>
                  <Value>0</Value>
            </DataModule>
      </RealTimeSrcBpsDataPerInterval>
      <RequestId>7CBCD6AD-B016-42E5-AE0B-B3731DE8F755</RequestId>
      <StartTime>2019-12-10T20:00:00Z</StartTime>
      <EndTime>2019-12-10T20:01:00Z</EndTime>
</DescribeDomainRealTimeSrcBpsDataResponse>
```

`JSON` format

```
{
    "DomainName": "example.com",
    "DataInterval": "60",
    "RealTimeSrcBpsDataPerInterval": {
        "DataModule": [
            {
                "TimeStamp": "2019-12-10T20:00:00Z",
                "Value": "821"
            },
            {
                "TimeStamp": "2019-12-10T20:01:00Z",
                "Value": "0"
            }
        ]
    },
    "RequestId": "7CBCD6AD-B016-42E5-AE0B-B3731DE8F755",
    "StartTime": "2019-12-10T20:00:00Z",
    "EndTime": "2019-12-10T20:01:00Z"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.2.3. DescribeDomainRealTimeBpsData

Queries the bandwidth information about one or more accelerated domain names. The data is collected every minute.

> **Note**
> - You can query data collected within the last seven days. The time range specified by the **StartTime** and **EndTime** parameters cannot exceed 24 hours in each call.
> - If you do not set **StartTime** or **EndTime**, data collected within the last one hour is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer automatically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainRealTimeBpsData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeBpsData**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify one or more accelerated domain names. Separate multiple accelerated domain names with commas (,). **Note** You can specify at most 500 accelerated domain names in each call.
IspNameEn	String	No	telecom	The name of the Internet service provider (ISP) for your Alibaba Cloud Content Delivery Network (DCDN) service. You can call the DescribeCdnRegionAndIsp operation to query ISP names. If you do not set this parameter, all ISPs are queried.

Parameter	Type	Required	Example	Description
LocationNameEn	String	No	beijing	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list. If you do not set this parameter, all regions are queried.
StartTime	String	No	2019-11-30T05:33:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
Data	Array of BpsModel		The bandwidth information about the accelerated domain names.
BpsModel			
Bps	Float	16710625.733333332	The bandwidth value. Unit: bit/s.
TimeStamp	String	2019-11-30T05:41:00Z	The timestamp of the data entry. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mmZ format. The time is displayed in UTC.
RequestId	String	B49E6DDA-F413-422B-B58E-2FA23F286726	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DescribeDomainRealTimeBpsData
&DomainName=example.com
&EndTime=2019-11-30T05:40:00Z
&StartTime=2019-11-30T05:33:00Z
&IspNameEn=telecom
&LocationNameEn=beijing
&<common request parameters>
```

Sample responses

`XML` format

```
<DescribeDomainRealTimeBpsDataResponse>
  <Data>
        <BpsModel>
              <TimeStamp>2019-11-30T05:41:00Z</TimeStamp>
              <Bps>16710625.733333332</Bps>
        </BpsModel>
        <BpsModel>
              <TimeStamp>2019-11-30T05:42:00Z</TimeStamp>
              <Bps>59392614.8</Bps>
        </BpsModel>
  </Data>
  <RequestId>B49E6DDA-F413-422B-B58E-2FA23F286726</RequestId>
</DescribeDomainRealTimeBpsDataResponse>
```

`JSON` format

```
{
   "Data":{
      "BpsModel":[
         {
            "TimeStamp":"2019-11-30T05:41:00Z",
            "Bps":16710625.733333332
         },
         {
            "TimeStamp":"2019-11-30T05:42:00Z",
            "Bps":59392614.8
         }
      ]
   },
   "RequestId":"B49E6DDA-F413-422B-B58E-2FA23F286726"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidTime.Malformed	Specified StartTime or EndTime is malformed.	The error message returned because the format of the specified start time or end time is invalid.

For a list of error codes, visit the API Error Center.

9.2.4. DescribeDomainRealTimeSrcHttpCodeData

Queries the total number and proportions of HTTP status codes returned from an accelerated domain name to back-to-origin requests. The data is collected at an interval of one minute. You can query data collected within the last seven days.

> **Note**
> - The time range specified by the StartTime and EndTime parameters cannot exceed 24 hours.
> - If you do not set StartTime or EndTime, data collected within the last one hour is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 10.
> - You can specify multiple domain names (no more than 100) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainRealTimeSrcHttpCodeData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeSrcHttpCodeData**.
DomainName	String	Yes	example.com	The accelerated domain names. Separate multiple domain names with commas (,).

Parameter	Type	Required	Example	Description
StartTime	String	No	2019-11-30T04:40:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
IspNameEn	String	No	unicom	The name of the Internet Service Provider (ISP). You can call the DescribeCdnRegionAndIsp operation to query ISPs. If you do not set this parameter, all ISPs are queried.
LocationNameEn	String	No	beijing	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query regions. If you do not set this parameter, all regions are queried.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	60	The time interval between the entries returned. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2019-11-30T05:40:00Z	The end of the time range that was queried.
RealTimeSrcHttpCodeData	Array of UsageData		The proportions of HTTP status codes at each time interval.
UsageData			

Parameter	Type	Example	Description
TimeStamp	String	2015-11-30T05:40:00Z	The timestamp of the data.
Value	Array of RealTimeSrcCodeProportionData		The proportions of HTTP status codes.
RealTimeSrcCodeProportionData			
Code	String	200	The HTTP status code.
Count	String	100	The total number of HTTP status codes returned.
Proportion	String	0.62015503875969	The proportion of the HTTP status code.
RequestId	String	BC858082-736F-4A25-867B-E5B67C85ACF7	The ID of the request.
StartTime	String	2019-11-30T05:33:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeSrcHttpCodeData
&DomainName=example.com,example.org
&StartTime=2019-11-30T05:39:00Z
&EndTime=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainRealTimeSrcHttpCodeDataResesponse>
      <RealTimeSrcHttpCodeData>
            <UsageData>
                  <TimeStamp>2019-11-30T05:40:00Z</TimeStamp>
                  <Value>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>66.046511627907</Proportion>
                              <Code>200</Code>
                        </RealTimeSrcCodeProportionData>
```

```
                        <RealTimeSrcCodeProportionData>
                              <Proportion>4.72868217054264</Proportion>
                              <Code>206</Code>
                        </RealTimeSrcCodeProportionData>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>0.155038759689922</Proportion>
                              <Code>302</Code>
                        </RealTimeSrcCodeProportionData>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>0.62015503875969</Proportion>
                              <Code>304</Code>
                        </RealTimeSrcCodeProportionData>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>28.4496124031008</Proportion>
                              <Code>500</Code>
                        </RealTimeSrcCodeProportionData>
                  </Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2019-11-30T05:39:00Z</TimeStamp>
                  <Value>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>66.046511627907</Proportion>
                              <Code>200</Code>
                        </RealTimeSrcCodeProportionData>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>4.72868217054264</Proportion>
                              <Code>206</Code>
                        </RealTimeSrcCodeProportionData>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>0.155038759689922</Proportion>
                              <Code>302</Code>
                        </RealTimeSrcCodeProportionData>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>0.62015503875969</Proportion>
                              <Code>304</Code>
                        </RealTimeSrcCodeProportionData>
                        <RealTimeSrcCodeProportionData>
                              <Proportion>28.4496124031008</Proportion>
                              <Code>500</Code>
                        </RealTimeSrcCodeProportionData>
                  </Value>
            </UsageData>
      </RealTimeSrcHttpCodeData>
      <DataInterval>60</DataInterval>
      <RequestId>BC858082-736F-4A25-867B-E5B67C85ACF7</RequestId>
      <DomainName>example.com,example.org</DomainName>
      <EndTime>2019-11-30T05:40:00Z</EndTime>
      <StartTime>2019-11-30T05:33:00Z</StartTime>
</DescribeDomainRealTimeSrcHttpCodeDataResesponse>
```

`JSON` format

```
{
    "RealTimeSrcHttpCodeData": {
        "UsageData": [
            {
                "TimeStamp": "2019-11-30T05:40:00Z",
                "Value": {
                    "RealTimeSrcCodeProportionData": [
                        {
                            "Proportion": "66.046511627907",
                            "Code": "200"
                        },
                        {
                            "Proportion": "4.72868217054264",
                            "Code": "206"
                        },
                        {
                            "Proportion": "0.155038759689922",
                            "Code": "302"
                        },
                        {
                            "Proportion": "0.62015503875969",
                            "Code": "304"
                        },
                        {
                            "Proportion": "28.4496124031008",
                            "Code": "500"
                        }
                    ]
                }
            },
            {
                "TimeStamp": "2019-11-30T05:39:00Z",
                "Value": {
                    "RealTimeSrcCodeProportionData": [
                        {
                            "Proportion": "66.046511627907",
                            "Code": "200"
                        },
                        {
                            "Proportion": "4.72868217054264",
                            "Code": "206"
                        },
                        {
                            "Proportion": "0.155038759689922",
                            "Code": "302"
                        },
                        {
                            "Proportion": "0.62015503875969",
                            "Code": "304"
                        },
                        {
                            "Proportion": "28.4496124031008",
                            "Code": "500"
                        }
                    ]
```

```
                    ]
                }
            }
        ]
    },
    "DataInterval": "60",
    "RequestId": "BC858082-736F-4A25-867B-E5B67C85ACF7",
    "DomainName": "example.com,example.org",
    "EndTime": "2019-11-30T05:40:00Z",
    "StartTime": "2019-11-30T05:33:00Z"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.2.5. DescribeDomainRealTimeHttpCodeData

Queries the total number and proportions of HTTP status codes returned from an accelerated domain name. The data is collected every minute.

> **Note**
>
> - You can query data collected within the last seven days. The time range that is specified by the **StartTime** and **EndTime** parameters cannot exceed 24 hours in each call.
> - If you do not set **StartTime** or **EndTime**, data collected within the last one hour is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 10.
> - You can specify multiple domain names (no more than 100) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer automatically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainRealTimeHttpCodeData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeHttpCodeData**.

Parameter	Type	Required	Example	Description
DomainName	String	Yes	example.com,example.org	The accelerated domain name. You can specify one or more accelerated domain names. Separate multiple accelerated domain names with commas (,). **Note** You can specify at most 500 accelerated domain names in each call.
StartTime	String	No	2019-11-30T05:39:00Z	The beginning of the time range to query. The time follows the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time is displayed in UTC.
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. The time follows the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time is displayed in UTC. **Note** The end time must be later than the start time.
IspNameEn	String	No	unicom	The name of the Internet service provider (ISP). You can call the DescribeCdnRegionAndIsp operation to query ISP names.
LocationNameEn	String	No	beijing	The name of the region. If you do not set this parameter, all regions are queried. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	60	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com,example.org	The accelerated domain name.
EndTime	String	2019-11-29T05:42:00Z	The end of the time range that was query.
RealTimeHttpCodeData	Array of UsageData		The proportions of HTTP status codes collected at each time interval.
UsageData			
TimeStamp	String	2019-11-29T05:39:00Z	The timestamp of the data entry.
Value	Array of RealTimeCodeProportionData		The proportions of each HTTP status code.
RealTimeCodeProportionData			
Code	String	500	The HTTP status code.
Count	String	100	The total number of HTTP status codes returned.
Proportion	String	28.4496124031008	The proportion of the HTTP status code.
RequestId	String	BC858082-736F-4A25-867B-E5B67C85ACF7	The ID of the request.
StartTime	String	2019-11-29T05:39:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DescribeDomainRealTimeHttpCodeData
&DomainName=example.com,example.org
&StartTime=2019-11-29T05:39:00Z
&EndTime=2019-11-29T05:42:00Z
&<common request parameters>
```

Sample responses

`XML` format

```
<DescribeDomainRealTimeHttpCodeDataResponse>
  <DataInterval>60</DataInterval>
  <RequestId>99E690FC-86A3-4533-8F61-CF9E319141A4</RequestId>
  <DomainName>example.com,example.org</DomainName>
  <EndTime>2019-11-29T05:42:00Z</EndTime>
  <StartTime>2019-11-29T05:39:00Z</StartTime>
  <RealTimeHttpCodeData>
        <UsageData>
              <TimeStamp>2019-11-29T05:39:00Z</TimeStamp>
              <Value>
                    <RealTimeCodeProportionData>
                          <Count>2</Count>
                          <Proportion>100</Proportion>
                          <Code>200</Code>
                    </RealTimeCodeProportionData>
              </Value>
        </UsageData>
        <UsageData>
              <TimeStamp>2019-11-29T05:40:00Z</TimeStamp>
              <Value>
                    <RealTimeCodeProportionData>
                          <Count>1</Count>
                          <Proportion>50</Proportion>
                          <Code>200</Code>
                    </RealTimeCodeProportionData>
                    <RealTimeCodeProportionData>
                          <Count>1</Count>
                          <Proportion>50</Proportion>
                          <Code>304</Code>
                    </RealTimeCodeProportionData>
              </Value>
        </UsageData>
        <UsageData>
              <TimeStamp>2019-11-29T05:41:00Z</TimeStamp>
              <Value>
                    <RealTimeCodeProportionData>
                          <Count>11</Count>
                          <Proportion>91.66666666666666</Proportion>
                          <Code>200</Code>
                    </RealTimeCodeProportionData>
                    <RealTimeCodeProportionData>
                          <Count>1</Count>
                          <Proportion>8.333333333333332</Proportion>
                          <Code>206</Code>
                    </RealTimeCodeProportionData>
              </Value>
        </UsageData>
  </RealTimeHttpCodeData>
</DescribeDomainRealTimeHttpCodeDataResponse>
```

`JSON` format

```
{
```

```
    "DataInterval": 60,
    "RequestId": "99E690FC-86A3-4533-8F61-CF9E319141A4",
    "DomainName": "example.com,example.org",
    "EndTime": "2019-11-29T05:42:00Z",
    "StartTime": "2019-11-29T05:39:00Z",
    "RealTimeHttpCodeData": {
        "UsageData": [
            {
                "TimeStamp": "2019-11-29T05:39:00Z",
                "Value": {
                    "RealTimeCodeProportionData": [
                        {
                            "Count": 2,
                            "Proportion": 100,
                            "Code": "200"
                        }
                    ]
                }
            },
            {
                "TimeStamp": "2019-11-29T05:40:00Z",
                "Value": {
                    "RealTimeCodeProportionData": [
                        {
                            "Count": 1,
                            "Proportion": 50,
                            "Code": "200"
                        },
                        {
                            "Count": 1,
                            "Proportion": 50,
                            "Code": "304"
                        }
                    ]
                }
            },
            {
                "TimeStamp": "2019-11-29T05:41:00Z",
                "Value": {
                    "RealTimeCodeProportionData": [
                        {
                            "Count": 11,
                            "Proportion": "91.66666666666666",
                            "Code": "200"
                        },
                        {
                            "Count": 1,
                            "Proportion": "8.333333333333332",
                            "Code": "206"
                        }
                    ]
                }
            }
        ]
    }
```

```
        }
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.2.6. DescribeDomainRealTimeSrcTrafficData

Queries the monitoring data of back-to-origin network traffic for one or more specified accelerated domains. The monitoring data is collected every minute. You can query monitoring data collected within the last seven days. The network traffic is measured in bytes.

> **Note**
> - If you do not set **StartTime** or **EndTime**, data collected within the last 24 hours is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 10.
> - You can specify multiple domain names (no more than 100) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainRealTimeSrcTrafficData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeSrcTrafficData**.
DomainName	String	Yes	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,).
StartTime	String	No	2019-12-10T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Parameter	Type	Required	Example	Description
EndTime	String	No	2019-12-10T20:01:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	60	The data collection interval. Unit: second.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2019-12-10T20:01:00Z	The end of the time range that was queried.
RealTimeSrcTrafficDataPerInterval	Array of DataModule		The amount of back-to-origin network traffic collected at each interval.
DataModule			
TimeStamp	String	2019-12-10T20:01:00Z	The timestamp of the data returned.
Value	String	0	The amount of back-to-origin network traffic.
RequestId	String	A666D44F-19D6-490E-97CF-1A64AB962C57	The ID of the request.
StartTime	String	2019-12-10T20:00:00Z	The beginning of the time range that was queried.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeSrcTrafficData
&DomainName=example.com
&StartTime=2019-12-10T20:00:00Z
&EndTime=2019-12-10T20:01:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainRealTimeSrcTrafficDataResponse>
      <DomainName>example.com</DomainName>
      <DataInterval>60</DataInterval>
      <RealTimeSrcTrafficDataPerInterval>
            <DataModule>
                  <TimeStamp>2019-12-10T20:00:00Z</TimeStamp>
                  <Value>0</Value>
            </DataModule>
            <DataModule>
                  <TimeStamp>2019-12-10T20:01:00Z</TimeStamp>
                  <Value>0</Value>
            </DataModule>
      </RealTimeSrcTrafficDataPerInterval>
      <RequestId>A666D44F-19D6-490E-97CF-1A64AB962C57</RequestId>
      <StartTime>2019-12-10T20:00:00Z</StartTime>
      <EndTime>2019-12-10T20:01:00Z</EndTime>
</DescribeDomainRealTimeSrcTrafficDataResponse>
```

`JSON` format

```
{
    "DomainName": "example.com",
    "DataInterval": "60",
    "RealTimeSrcTrafficDataPerInterval": {
        "DataModule": [
            {
                "TimeStamp": "2019-12-10T20:00:00Z",
                "Value": "0"
            },
            {
                "TimeStamp": "2019-12-10T20:01:00Z",
                "Value": "0"
            }
        ]
    },
    "RequestId": "A666D44F-19D6-490E-97CF-1A64AB962C57",
    "StartTime": "2019-12-10T20:00:00Z",
    "EndTime": "2019-12-10T20:01:00Z"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	StartTime and EndTime can not be single.	The error message returned because both the StartTime and EndTime parameters must be set.
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Mismatch	Specified end time does not math the specified start time.	The error message returned because the end time must be later than the start time.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

9.2.7. DescribeDomainRealTimeByteHitRateData

Queries byte hit ratios of an accelerated domain name. The data is collected at an interval of one minute. You can query data collected within the last seven days.

Note

- The time range specified by the StartTime and EndTime parameters cannot exceed 24 hours.
- If you do not set StartTime or EndTime, data collected within the last one hour is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
- The network traffic destined for different domain names may be redirected to the same origin server. Therefore, the cache hit ratios may be inaccurate. The accuracy of query results is based on the actual configurations.
- The maximum number of times that each user can call this operation per second is 10.
- You can specify multiple domain names (no more than 100) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainRealTimeByteHitRateData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeByteHitRateData**.
DomainName	String	Yes	example.com	The accelerated domain names. Separate multiple domain names with commas (,).
StartTime	String	No	2020-05-15T09:13:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2020-05-15T09:15:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end of the time range to query. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
Data	Array of ByteHitRateDataModel		The response parameters.
ByteHitRateDataModel			
ByteHitRate	Float	0.8956940476262277	The cache hit ratio that is calculated based on response bytes. The cache hit ratio is measured in percentage.

Parameter	Type	Example	Description
TimeStamp	String	2019-11-30T05:40:00Z	The timestamp of the data returned. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format. The time is displayed in UTC.
RequestId	String	70A26B11-3673-479C-AEA8-E03FC5D3496D	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeByteHitRateData
&DomainName=example.com
&StartTime=2020-05-15T09:13:00Z
&EndTime=2020-05-15T09:15:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainRealTimeByteHitRateDataResponse>
  <RequestId>95C90452-100B-4226-A63D-2D570CE2A971</RequestId>
  <Data>
        <ByteHitRateDataModel>
              <ByteHitRate>0.8956940476262277</ByteHitRate>
              <TimeStamp>2020-05-15T09:13:00Z</TimeStamp>
        </ByteHitRateDataModel>
        <ByteHitRateDataModel>
              <ByteHitRate>0.8429129920796812</ByteHitRate>
              <TimeStamp>2020-05-15T09:14:00Z</TimeStamp>
        </ByteHitRateDataModel>
  </Data>
</DescribeDomainRealTimeByteHitRateDataResponse>
```

`JSON` format

```
{
    "RequestId": "95C90452-100B-4226-A63D-2D570CE2A971",
    "Data": {
        "ByteHitRateDataModel": [
            {
                "ByteHitRate": 0.8956940476262277,
                "TimeStamp": "2020-05-15T09:13:00Z"
            },
            {
                "ByteHitRate": 0.8429129920796812,
                "TimeStamp": "2020-05-15T09:14:00Z"
            }
        ]
    }
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidTime.Malformed	Specified StartTime or EndTime is malformed.	The error message returned because the format of the specified start time or end time is invalid.

For a list of error codes, visit the API Error Center.

9.2.8. DescribeDomainRealTimeQpsData

Queries the number of queries per second for one or more accelerated domain names. Data is collected every minute.

> **Note**
> - You can query data collected within the last seven days. The time range specified by the **StartTime** and **EndTime** parameters cannot exceed 24 hours in each call.
> - If you do not set **StartTime** or **EndTime**, data collected within the last one hour is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 10.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainRealTimeQpsData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeQpsData**.
DomainName	String	Yes	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,). **Note** You can specify at most 500 accelerated domain names in each call.
IspNameEn	String	No	telecom	The name of the Internet service provider (ISP) for your Alibaba Cloud CDN service. If you do not set this parameter, all ISPs are queried. You can call the DescribeCdnRegionAndIsp operation to query ISP names.
LocationNameEn	String	No	beijing	The name of the region. If you do not set this parameter, all regions are queried. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list.
StartTime	String	No	2019-12-02T11:25:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-12-02T11:26:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
Data	Array of QpsModel		Response parameters
QpsModel			
Qps	Float	1851.25	The number of queries per second.
TimeStamp	String	2019-12-02T11:25:00Z	The timestamp of the data entry. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mmZ format. The time is displayed in UTC.
RequestId	String	32DC9806-E9F9-4490-BBDC-B3A9E32FCC1D	The ID of the request.

Examples

Sample requests

```
http(s):///cdn.aliyuncs.com/?Action=DescribeDomainRealTimeQpsData
&DomainName=example.com
&StartTime=2019-12-02T11:25:00Z
&EndTime=2019-12-02T11:26:00Z
&IspNameEn=telecom
&LocationNameEn=beijing
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainRealTimeQpsDataResponse>
      <Data>
            <QpsModel>
                  <TimeStamp>2019-12-02T11:26:00Z</TimeStamp>
                  <Qps>1851.25</Qps>
            </QpsModel>
            <QpsModel>
                  <TimeStamp>2019-12-02T11:25:00Z</TimeStamp>
                  <Qps>8967.7</Qps>
            </QpsModel>
      </Data>
      <RequestId>32DC9806-E9F9-4490-BBDC-B3A9E32FCC1D</RequestId>
</DescribeDomainRealTimeQpsDataResponse>
```

`JSON` format

```
{
    "Data": {
        "QpsModel": [{
            "TimeStamp": "2019-12-02T11:26:00Z",
            "Qps": 1851.25
        }, {
            "TimeStamp": "2019-12-02T11:25:00Z",
            "Qps": 8967.7
        }]
    },
    "RequestId": "32DC9806-E9F9-4490-BBDC-B3A9E32FCC1D"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidTime.Malformed	Specified StartTime or EndTime is malformed.	The error message returned because the format of the specified start time or end time is invalid.

For a list of error codes, visit the API Error Center.

9.2.9. DescribeDomainRealTimeTrafficData

Queries the monitoring data of network traffic for one or more accelerated domain names. The monitoring data is collected every minute. You can query monitoring data collected within the last seven days. The network traffic is measured in bytes.

Note

- If you do not set **StartTime** or **EndTime**, data collected within the last 24 hours is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
- You can specify multiple domain names (no more than 100) and separate them with commas (,).
- The maximum number of times that each user can call this operation per second is 50.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer automatically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainRealTimeTrafficData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeTrafficData**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify one or more accelerated domain names. Separate multiple accelerated domain names with commas (,).
StartTime	String	No	2019-12-10T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-12-10T20:01:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	60	The time interval between the data entries, in seconds.
DomainName	String	example.com	The accelerated domain name.

Parameter	Type	Example	Description
StartTime	String	2019-12-10T20:00:00Z	The beginning of the time range that was queried.
EndTime	String	2019-12-10T20:01:00Z	The end of the time range that was queried.
RequestId	String	A666D44F-19D6-490E-97CF-1A64AB962C57	The ID of the request
RealTimeTrafficDataPerInterval	Array of DataModule		The information about the network traffic collected at each interval.
DataModule			
TimeStamp	String	2019-12-10T20:01:00Z	The timestamp of the data returned.
Value	String	0	The amount of network traffic.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DescribeDomainRealTimeTrafficData
&DomainName=example.com
&StartTime=2019-12-10T20:00:00Z
&EndTime=2019-12-10T20:01:00Z
&<Common request parameters>
```

Sample responses

`XML` format

```
<DescribeDomainRealTimeTrafficDataResponse>
      <DomainName>example.com</DomainName>
      <DataInterval>60</DataInterval>
      <RealTimeTrafficDataPerInterval>
            <DataModule>
                  <TimeStamp>2019-12-10T20:00:00Z</TimeStamp>
                  <Value>0</Value>
            </DataModule>
            <DataModule>
                  <TimeStamp>2019-12-10T20:01:00Z</TimeStamp>
                  <Value>0</Value>
            </DataModule>
      </RealTimeTrafficDataPerInterval>
      <RequestId>A666D44F-19D6-490E-97CF-1A64AB962C57</RequestId>
      <StartTime>2019-12-10T20:00:00Z</StartTime>
      <EndTime>2019-12-10T20:01:00Z</EndTime>
</DescribeDomainRealTimeTrafficDataResponse>
```

`JSON` format

```
{
    "DomainName": "example.com",
    "DataInterval": "60",
    "RealTimeTrafficDataPerInterval": {
        "DataModule": [
            {
                "TimeStamp": "2019-12-10T20:00:00Z",
                "Value": "0"
            },
            {
                "TimeStamp": "2019-12-10T20:01:00Z",
                "Value": "0"
            }
        ]
    },
    "RequestId": "A666D44F-19D6-490E-97CF-1A64AB962C57",
    "StartTime": "2019-12-10T20:00:00Z",
    "EndTime": "2019-12-10T20:01:00Z"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	StartTime and EndTime can not be single.	The error message returned because both the StartTime and EndTime parameters must be set.

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Mismatch	Specified end time does not math the specified start time.	The error message returned because the end time must be later than the start time.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

9.2.10. DescribeDomainRealTimeReqHitRateData

Queries the request hit ratios of accelerated domain names. The data is collected at an interval of one minute. You can only query the data collected within the last seven days.

Note

- The time range specified by the StartTime and EndTime parameters cannot exceed 24 hours.
- If you do not set StartTime or EndTime, data collected within the last one hour is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
- The network traffic destined for different domain names may be redirected to the same origin. Therefore, the byte hit ratios may be inaccurate. The accuracy of query results is based on the actual configurations.
- The maximum number of times that each user can call this operation per second is 10.
- You can specify multiple domain names (no more than 100) and separate them with commas (,).

Note By default, requests in the Go programming language use the POST request method. You must manually change the request method to GET by declaring: request.Method="GET".

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainRealTimeReqHitRateData	The operation that you want to perform. Set the value to **DescribeDomainRealTimeReqHitRateData**.
DomainName	String	Yes	example.com	The accelerated domain names. Separate multiple domain names with commas (,).
StartTime	String	No	2018-01-02T11:23:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2018-01-02T11:26:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
Data	Array of ReqHitRateData Model		The response parameters.
ReqHitRateData Model			
ReqHitRate	Float	0.8956940476262277	The request hit ratio.
TimeStamp	String	2018-01-02T11:26:00Z	The timestamp. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mm:ssZ format. The time is displayed in UTC.

Parameter	Type	Example	Description
RequestId	String	70A26B11-3673-479C-AEA8-E03FC5D3496D	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com/?Action=DescribeDomainRealTimeReqHitRateData
&DomainName=example.com
&StartTime=2018-01-02T11:23:00Z
&EndTime=2018-01-02T11:26:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainRealTimeReqHitRateDataResponse>
      <Data>
            <ReqHitRateDataModel>
                  <TimeStamp>2018-01-02T11:26:00Z</TimeStamp>
                  <ReqHitRate>0.8956940476262277</ReqHitRate>
            </ReqHitRateDataModel>
            <ReqHitRateDataModel>
                  <TimeStamp>2018-01-02T11:25:00Z</TimeStamp>
                  <ReqHitRate>0.8429129920796812</ReqHitRate>
            </ReqHitRateDataModel>
      </Data>
      <RequestId>70A26B11-3673-479C-AEA8-E03FC5D3496D</RequestId>
</DescribeDomainRealTimeReqHitRateDataResponse>
```

`JSON` format

```
{
    "Data": {
        "ReqHitRateDataModel": [{
            "TimeStamp": "2018-01-02T11:26:00Z",
            "ReqHitRate": 0.8956940476262277
        }, {
            "TimeStamp": "2018-01-02T11:25:00Z",
            "ReqHitRate": 0.8429129920796812
        }]
    },
    "RequestId": "70A26B11-3673-479C-AEA8-E03FC5D3496D"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidTime.Malformed	Specified StartTime or EndTime is malformed.	The error message returned because the format of the specified start time or end time is invalid.

For a list of error codes, visit the API Error Center.

9.3. Statistical analysis

9.3.1. DescribeDomainSrcTopUrlVisit

Queries frequently requested URLs of one or more accelerated domain names.

> **Note**
> - The data is collected at an interval of five minutes.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainSrcTopUrlVisit	The operation that you want to perform. Set the value to **DescribeDomainSrcTopUrlVisit**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify multiple accelerated domain names and separate them with commas (,).

Parameter	Type	Required	Example	Description
StartTime	String	No	2018-10-03T16:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** If you do not set the StartTime parameter, the data within the previous day is queried.
EndTime	String	No	2018-10-03T20:00:00Z	The end of the time range to query. The time follows the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time is displayed in UTC. **Note** The end time must be later than the start time. The difference between the end time and the start time cannot exceed seven days.
SortBy	String	No	pv	The method that is used to sort the URLs. Valid values: • **traf**: by network traffic. • **pv**: by the number of page views (PVs). This is the default value.

Response parameters

Parameter	Type	Example	Description
AllUrlList	Array of UrlList		A list of frequently requested URLs.
UrlList			
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.

Parameter	Type	Example	Description
UrlDetail	String	http://example.com/nn_live/nn_x64/a0.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.
DomainName	String	example.com	The accelerated domain name.
RequestId	String	64D28B53-5902-409B-94F6-FD46680144FE	The ID of the request.
StartTime	String	2018-10-03T16:00:00Z	The beginning of the time range that was queried.
Url200List	Array of UrlList		A list of URLs for which 2xx status codes were returned.
UrlList			
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.
UrlDetail	String	http://example.com/nn_live/nn_x64/a0.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.
Url300List	Array of UrlList		A list of URLs for which 3xx status codes were returned.
UrlList			

Parameter	Type	Example	Description
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.
UrlDetail	String	http://example.com/nn_live/nn_x64/a0.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.
Url400List	Array of UrlList		A list of URLs for which 4xx status codes were returned.
UrlList			
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.
UrlDetail	String	http://example.com/nn_live/nn_x64/a0.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.
Url500List	Array of UrlList		A list of URLs for which 5xx status codes were returned.
UrlList			
Flow	String	460486880	The network traffic consumed to visit the URL, in bytes.

Parameter	Type	Example	Description
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.
UrlDetail	String	http://example.com/nn_live/nn_x64/a0.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeDomainSrcTopUrlVisit
&DomainName=example.com
&StartTime=2018-10-03T16:00:00Z
&EndTime=2018-10-03T20:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainSrcTopUrlVisitResponse>
  <AllUrlList>
        <UrlList>
              <VisitData>161673</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/a0.m3u8</UrlDetail>
              <VisitProportion>0.35</VisitProportion>
              <Flow>460486880</Flow>
              <FlowProportion>0.35</FlowProportion>
        </UrlList>
        <UrlList>
              <VisitData>37</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/ZXg9MQ,,/HNJSMPP360.ts</UrlDetai
l>
              <VisitProportion>0.35</VisitProportion>
              <Flow>460486880</Flow>
              <FlowProportion>0.35</FlowProportion>
        </UrlList>
  </AllUrlList>
  <Url300List>
        <UrlList>
              <VisitData>161673</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/aWQ9SE5KU0GNfbGl2ZQ,,/HNJSMPP360
.m3u8</UrlDetail>
              <VisitProportion>0.35</VisitProportion>
```

```
                <Flow>460486880</Flow>
                <FlowProportion>0.35</FlowProportion>
        </UrlList>
        <UrlList>
                <VisitData>3</VisitData>
                <UrlDetail>http://example.com/nn_live/nn_x64/aWQ9SE5KU01QUDZXg9MQ,,/HNJSMPP36
0.ts</UrlDetail>
                <VisitProportion>0.35</VisitProportion>
                <Flow>460486880</Flow>
                <FlowProportion>0.35</FlowProportion>
        </UrlList>
  </Url300List>
  <Url400List>
        <UrlList>
                <VisitData>1884</VisitData>
                <UrlDetail>http://example.com/nn_live/nn_x64/aWQ9SE5KU01QUhb,,/HNJSMPP360.m3u
8</UrlDetail>
                <VisitProportion>0.35</VisitProportion>
                <Flow>460486880</Flow>
                <FlowProportion>0.35</FlowProportion>
        </UrlList>
        <UrlList>
                <VisitData>1</VisitData>
                <UrlDetail>http://example.com/nn_live/nn_x64/aWQ9SEEwODgm,/HNJSMPP360.ts</Url
Detail>
                <VisitProportion>0.35</VisitProportion>
                <Flow>460486880</Flow>
                <FlowProportion>0.35</FlowProportion>
        </UrlList>
  </Url400List>
  <RequestId>64D28B53-5902-409B-94F6-FD46680144FE</RequestId>
  <DomainName>example.com</DomainName>
  <Url200List>
        <UrlList>
                <VisitData>161673</VisitData>
                <UrlDetail>http://example.com/nn_live/nn_x64/aWQ9SE5KU0bGxfcG,,/HNJSMPP360.m3
u8</UrlDetail>
                <VisitProportion>0.35</VisitProportion>
                <Flow>460486880</Flow>
                <FlowProportion>0.35</FlowProportion>
        </UrlList>
        <UrlList>
                <VisitData>3</VisitData>
                <UrlDetail>http://example.com/nn_live/nn_x64/aWQ9SE5KDMlPTIwMTQ,,/HNJSMPP360.
ts</UrlDetail>
                <VisitProportion>0.35</VisitProportion>
                <Flow>460486880</Flow>
                <FlowProportion>0.35</FlowProportion>
        </UrlList>
  </Url200List>
  <StartTime>2018-10-03T16:00:00Z</StartTime>
  <Url500List>
        <UrlList>
                <VisitData>161673</VisitData>
```

```
            <UrlDetail>http://example.com/nn_live/nn_x64/aWQ9SE5KU0GNfbGl2ZQ,,/HNJSMPP360
.m3u8</UrlDetail>
            <VisitProportion>0.35</VisitProportion>
            <Flow>460486880</Flow>
            <FlowProportion>0.35</FlowProportion>
        </UrlList>
        <UrlList>
            <VisitData>3</VisitData>
            <UrlDetail>http://example.com/nn_live/nn_x64/aWQ9SE5KU01QUDZXg9MQ,,/HNJSMPP36
0.ts</UrlDetail>
            <VisitProportion>0.35</VisitProportion>
            <Flow>460486880</Flow>
            <FlowProportion>0.35</FlowProportion>
        </UrlList>
  </Url500List>
</DescribeDomainSrcTopUrlVisitResponse>
```

`JSON` format

```
{
    "AllUrlList": {
        "UrlList": [
            {
                "VisitData": "161673",
                "UrlDetail": "http://example.com/nn_live/nn_x64/a0.m3u8",
                "VisitProportion": 0.35,
                "Flow": "460486880",
                "FlowProportion": 0.35
            },
            {
                "VisitData": "37",
                "UrlDetail": "http://example.com/nn_live/nn_x64/ZXg9MQ,,/HNJSMPP360.ts",
                "VisitProportion": 0.35,
                "Flow": "460486880",
                "FlowProportion": 0.35
            }
        ]
    },
    "Url300List": {
        "UrlList": [
            {
                "VisitData": "161673",
                "UrlDetail": "http://example.com/nn_live/nn_x64/aWQ9SE5KU0GNfbGl2ZQ,,/HNJSM
PP360.m3u8",
                "VisitProportion": 0.35,
                "Flow": "460486880",
                "FlowProportion": 0.35
            },
            {
                "VisitData": "3",
                "UrlDetail": "http://example.com/nn_live/nn_x64/aWQ9SE5KU01QUDZXg9MQ,,/HNJS
MPP360.ts",
                "VisitProportion": 0.35,
                "Flow": "460486880"
```

```
                "Flow": "460486880",
                "FlowProportion": 0.35
            }
        ]
    },
    "Url400List": {
        "UrlList": [
            {
                "VisitData": "1884",
                "UrlDetail": "http://example.com/nn_live/nn_x64/aWQ9SE5KU01QUhb,,/HNJSMPP36
0.m3u8",
                "VisitProportion": 0.35,
                "Flow": "460486880",
                "FlowProportion": 0.35
            },
            {
                "VisitData": "1",
                "UrlDetail": "http://example.com/nn_live/nn_x64/aWQ9SEEwODgm,/HNJSMPP360.ts
",
                "VisitProportion": 0.35,
                "Flow": "460486880",
                "FlowProportion": 0.35
            }
        ]
    },
    "RequestId": "64D28B53-5902-409B-94F6-FD46680144FE",
    "DomainName": "example.com",
    "Url200List": {
        "UrlList": [
            {
                "VisitData": "161673",
                "UrlDetail": "http://example.com/nn_live/nn_x64/aWQ9SE5KU0bGxfcG,,/HNJSMPP3
60.m3u8",
                "VisitProportion": 0.35,
                "Flow": "460486880",
                "FlowProportion": 0.35
            },
            {
                "VisitData": "3",
                "UrlDetail": "http://example.com/nn_live/nn_x64/aWQ9SE5KDMlPTIwMTQ,,/HNJSMP
P360.ts",
                "VisitProportion": 0.35,
                "Flow": "460486880",
                "FlowProportion": 0.35
            }
        ]
    },
    "StartTime": "2018-10-03T16:00:00Z",
    "Url500List": {
        "UrlList": [
            {
                "VisitData": "161673",
                "UrlDetail": "http://example.com/nn_live/nn_x64/aWQ9SE5KU0GNfbGl2ZQ,,/HNJSM
PP360.m3u8",
                "VisitProportion": 0.35,
```

```
                "Flow": "460486880",
                "FlowProportion": 0.35
            },
            {
                "VisitData": "3",
                "UrlDetail": "http://example.com/nn_live/nn_x64/aWQ9SE5KU01QUDZXg9MQ,,/HNJS
MPP360.ts",
                "VisitProportion": 0.35,
                "Flow": "460486880",
                "FlowProportion": 0.35
            }
        ]
    }
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid.

For a list of error codes, visit the API Error Center.

9.3.2. DescribeTopDomainsByFlow

Queries the top N domain names ranked by network traffic. You can query data collected within the last 30 days.

> **Note**
>
> - If you do not set **StartTime** or **EndTime**, data collected within the current month is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeTopDomainsByFlow	The operation that you want to perform. Set the value to **DescribeTopDomainsByFlow**.
StartTime	String	No	2019-12-22T08:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** Set StartTime to UTC time in the yyyy-MM-ddTHH:mm:ssZ format. For example, if the local time is 00:00, June 1, 2021, set StartTime to 2021-05-31T16:00:00Z.
EndTime	String	No	2019-12-23T08:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
Limit	Long	No	20	The maximum number of domain names to query. Valid values: **1** to **100**. Default value: **20**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	4E09C5D7-E1CF-4CAA-A45E-8727F4C8FD70	The ID of the request.

Parameter	Type	Example	Description
StartTime	String	2019-12-22T08:00:00Z	The start of the time range that was queried.
EndTime	String	2019-12-23T08:00:00Z	The end of the time range that was queried.
TopDomains	Array of TopDomain		The top N domain names ranked by network traffic.
TopDomain			
DomainName	String	example.com	The accelerated domain name.
Rank	Long	1	The ranking of the accelerated domain name.
TotalTraffic	String	2043859876683.9001	The total amount of network traffic.
TrafficPercent	String	30.64191989360235	The proportion of the network traffic consumed by the accelerated domain name.
MaxBps	Float	22139626	The peak bandwidth value.
MaxBpsTime	String	1457111400	The time when the bandwidth reached the peak value.
TotalAccess	Long	107784230	The number of visits to the accelerated domain name.
DomainCount	Long	68	The total number of accelerated domain names that belong to the current Alibaba Cloud account.
DomainOnlineCount	Long	68	The total number of accelerated domain names that are in the **Enabled** state within the current Alibaba Cloud account.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeTopDomainsByFlow
&StartTime=2019-12-22T08:00:00Z
&EndTime=2019-12-23T08:00:00Z
&Limit=5
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeTopDomainsByFlowResponse>
  <DomainCount>4</DomainCount>
  <DomainOnlineCount>4</DomainOnlineCount>
  <RequestId>6796A2B4-15A7-4142-85C0-5A93406034B5</RequestId>
  <TopDomains>
        <TopDomain>
              <MaxBps>26.752000000000002</MaxBps>
              <Rank>3</Rank>
              <TrafficPercent>0.000910078753253719</TrafficPercent>
              <TotalTraffic>2003</TotalTraffic>
              <TotalAccess>2</TotalAccess>
              <DomainName>example.com</DomainName>
              <MaxBpsTime>2019-12-22T20:50:00Z</MaxBpsTime>
        </TopDomain>
  </TopDomains>
  <EndTime>2019-12-23T08:00:00Z</EndTime>
  <StartTime>2019-12-22T08:00:00Z</StartTime>
</DescribeTopDomainsByFlowResponse>
```

`JSON` format

```
{
    "DomainCount": 4,
    "DomainOnlineCount": 4,
    "RequestId": "6796A2B4-15A7-4142-85C0-5A93406034B5",
    "TopDomains": {
        "TopDomain": [
            {
                "MaxBps": "26.752000000000002",
                "Rank": 3,
                "TrafficPercent": "0.000910078753253719",
                "TotalTraffic": 2003,
                "TotalAccess": 2,
                "DomainName": "example.com",
                "MaxBpsTime": "2019-12-22T20:50:00Z"
            }
        ]
    },
    "EndTime": "2019-12-23T08:00:00Z",
    "StartTime": "2019-12-22T08:00:00Z"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

9.3.3. DescribeDomainRegionData

Queries the geographic distribution of users. The data is collected at an interval of one day. You can query data collected within the last 90 days.

> **Note**
> - If you do not set **StartTime** or **EndTime**, data collected within the last **24** hours is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You may fail to query the latest data. If you need to query data collected within the last day, we recommend that you query the data on the next day.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainRegionData	The operation that you want to perform. Set the value to **DescribeDomainRegionData**.
DomainName	String	No	example.com	The accelerated domain names. Separate multiple domain names with commas (,). By default, this operation queries the geographic distribution of users for all accelerated domain names.
StartTime	String	No	2015-12-05T12:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2015-12-07T12:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	86400	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com.	The accelerated domain name.
EndTime	String	2015-12-07T12:00:00Z	The end of the time range that was queried.
RequestId	String	2E5AD83F-BD7B-462E-8319-2E30E305519A	The ID of the request.
StartTime	String	2015-12-05T12:00:00Z	The beginning of the time range that was queried.

Parameter	Type	Example	Description
Value	Array of RegionProportionData		The proportions of requests initiated from each area.
RegionProportionData			
AvgObjectSize	String	800019.0	The average response size. Unit: bytes.
AvgResponseRate	String	154.3345765545624	The average response rate. Unit: byte/s.
AvgResponseTime	String	5183.666666666667	The average response time. Unit: milliseconds.
Bps	String	380.9614285714286	The bandwidth value.
BytesProportion	String	0.003544181046236794	The proportion of bytes transferred from each area. For example, a value of 90 indicates that 90% of the bytes are transferred from the specified area.
Proportion	String	0.01155980271270037	The proportion of visits from each area. For example, a value of 90 indicates that 90% of the visits are from the specified area.
Qps	String	5.9523809523809524E-5	The number of queries per second.
Region	String	Japan	The area.
RegionEname	String	japan	The name of the area.
ReqErrRate	String	0.0	The request error rate. A value of 90 indicates that 90% of the requests encountered errors.
TotalBytes	String	2400057	The total amount of network traffic.
TotalQuery	String	3	The total number of queries.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainRegionData
&DomainName=example.com
&StartTime=2015-12-05T12:00:00Z
&EndTime=2015-12-07T12:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format


```
<DescribeDomainRegionDataResponse>
      <Value>
            <RegionProportionData>
                  <Bps>380.9614285714286</Bps>
                  <Proportion>0.01155980271270037</Proportion>
                  <ReqHitRate>100.0</ReqHitRate>
                  <TotalBytes>2400057</TotalBytes>
                  <BytesProportion>0.003544181046236794</BytesProportion>
                  <ByteHitRate>100.0</ByteHitRate>
                  <TotalQuery>3</TotalQuery>
                  <RegionEname></RegionEname>
                  <Region>Japan</Region>
                  <AvgResponseRate>154.3345765545624</AvgResponseRate>
                  <AvgObjectSize>800019.0</AvgObjectSize>
                  <ReqErrRate>0.0</ReqErrRate>
                  <Qps>5.9523809523809524E-5</Qps>
                  <AvgResponseTime>5183.666666666667</AvgResponseTime>
            </RegionProportionData>
            <RegionProportionData>
                  <Bps>25110.431412698414</Bps>
                  <Proportion>0.31211467324291</Proportion>
                  <ReqHitRate>100.0</ReqHitRate>
                  <TotalBytes>158195717</TotalBytes>
                  <BytesProportion>0.23360872886644055</BytesProportion>
                  <ByteHitRate>100.0</ByteHitRate>
                  <TotalQuery>81</TotalQuery>
                  <RegionEname>xizang</RegionEname>
                  <Region>Tibet Autonomous Region</Region>
                  <AvgResponseRate>1397.1430909315718</AvgResponseRate>
                  <AvgObjectSize>1953033.5543209878</AvgObjectSize>
                  <ReqErrRate>0.0</ReqErrRate>
                  <Qps>0.0016071428571428571</Qps>
                  <AvgResponseTime>1397.8765432098764</AvgResponseTime>
            </RegionProportionData>
            <RegionProportionData>
                  <Bps>40343.86242857143</Bps>
                  <Proportion>0.33908754623921084</Proportion>
                  <ReqHitRate>100.0</ReqHitRate>
                  <TotalBytes>254166333</TotalBytes>
                  <BytesProportion>0.37532921137846464</BytesProportion>
                  <ByteHitRate>100.0</ByteHitRate>
                  <TotalQuery>88</TotalQuery>
```

```
            <RegionEname>zhongqing</RegionEname>
            <Region>Chongqing</Region>
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                <AvgObjectSize>2505782.0102497404</AvgObjectSize>
                <ReqErrRate>0.0</ReqErrRate>
                <Qps>0.03813492063492063</Qps>
                <AvgResponseTime>2408.3709677419356</AvgResponseTime>
            </RegionProportionData>
        </Value>
        <DataInterval>86400</DataInterval>
        <RequestId>2E5AD83F-BD7B-462E-8319-2E30E305519A</RequestId>
        <DomainName>example.com</DomainName>
        <EndTime>2015-12-07T12:00:00Z</EndTime>
        <StartTime>2015-12-05T12:00:00Z</StartTime>
</DescribeDomainRegionDataResponse>
```

`JSON` format

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{
    "Value": {
        "RegionProportionData": [{
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            "Proportion": "0.01155980271270037",
            "ReqHitRate": "100.0",
```

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            "ReqHitRate": "100.0",
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            "RegionEname": "",
            "Region": "Japan",
            "AvgResponseRate": "154.3345765545624",
            "AvgObjectSize": "800019.0",
            "ReqErrRate": "0.0",
            "Qps": "5.9523809523809524E-5",
            "AvgResponseTime": "5183.666666666667"
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            "ByteHitRate": "100.0",
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            "AvgObjectSize": "2522291.608247423",
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```

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            "ReqErrRate": "0.0",
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```
            "TotalQuery": "241",
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            "AvgObjectSize": "2273425.479253112",
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            "ReqErrRate": "0.0",
            "Qps": "0.011587301587301587",
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            "AvgResponseTime": "3981.7168874172185"
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```

```
            "Bps": "302711.6698571429",
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            "AvgResponseTime": "3212.5641025641025"
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            "ByteHitRate": "100.0",
            "TotalQuery": "798",
            "RegionEname": "shanxixian",
            "Region": "Shaanxi",
```

```
            "AvgResponseRate": "936.6710791561273",
            "AvgObjectSize": "2841349.462781955",
            "ReqErrRate": "0.0",
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            "AvgResponseTime": "3033.4548872180453"
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            "Region": "Shanxi",
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            "AvgObjectSize": "2529717.982589286",
            "ReqErrRate": "0.0",
            "Qps": "0.017777777777777778",
            "AvgResponseTime": "2047.125"
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            "ReqHitRate": "100.0",
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            "Region": "Hebei",
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            "Qps": "0.01902777777777778",
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            "TotalQuery": "1115",
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            "region" : "Zhejiang",
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            "AvgObjectSize": "2553441.9855605382",
            "ReqErrRate": "0.0",
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```
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            "Region": "Jiangsu",
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            "ByteHitRate": "100.0",
            "TotalQuery": "1159",
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            "Region": "Heilongjiang",
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            "AvgObjectSize": "2763049.585677308",
            "ReqErrRate": "0.0",
            "Qps": "0.022996031746031747",
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            "Proportion": "4.519882860665844",
            "ReqHitRate": "100.0",
            "TotalBytes": "3091105519",
            "BytesProportion": "4.564657253906334",
            "ByteHitRate": "99.99999999999999",
            "TotalQuery": "1173",
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            "RegionEname": "Liaoning",
            "Region": "Liaoning",
            "AvgResponseRate": "1452.8561771775414",
            "AvgObjectSize": "2635213.5717817564",
            "ReqErrRate": "0.0",
            "Qps": "0.023273809523809523",
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            "Region": "Anhui",
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            "ReqErrRate": "0.0",
            "Qps": "0.023273809523809523",
            "AvgResponseTime": "1764.8090366581416"
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            "Proportion": "4.778051787916153",
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            "BytesProportion": "5.063963838946395",
            "ByteHitRate": "99.3034652219695",
            "TotalQuery": "1240",
            "RegionEname": "Guangxi",
            "Region":"Guangxi",
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            "AvgObjectSize": "2765505.7641129037",
            "ReqErrRate": "0.0",
            "Qps": "0.024603174603174603",
            "AvgResponseTime": "5889.938709677419"
        }, {
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            "TotalBytes": "3265118578",
            "BytesProportion": "4.821623561583812",
            "ByteHitRate": "99.99678589314689",
            "TotalQuery": "1486",
            "RegionEname": "sichuan",
            "Region": "Sichuan",
            "AvgResponseRate": "720.671411528823",
            "AvgObjectSize": "2197253.41769852",
            "ReqErrRate": "0.0",
            "Qps": "0.029484126984126984",
            "AvgResponseTime": "3048.897711978466"
        }, {
            "Bps": "688129.0886031748",
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```
            "Proportion": "6.022657213316893",
            "ReqHitRate": "100.0",
            "TotalBytes": "4335213258",
            "BytesProportion": "6.4018398984302864",
            "ByteHitRate": "100.0",
            "TotalQuery": "1563",
            "RegionEname": "shandong",
            "Region": "Shandong",
            "AvgResponseRate": "2216.86197693452",
            "AvgObjectSize": "2773648.9175943704",
            "ReqErrRate": "0.0",
            "Qps": "0.03101190476190476",
            "AvgResponseTime": "1251.1599488163788"
        }, {
            "Bps": "650147.539904762",
            "Proportion": "6.149815043156597",
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            "TotalQuery": "1596",
            "RegionEname": "Henan",
            "Region": "Henan",
            "AvgResponseRate": "1091.8003744598548",
            "AvgObjectSize": "2566371.868045113",
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            "Qps": "0.03166666666666667",
            "AvgResponseTime": "2350.5870927318297"
        }, {
            "Bps": "764462.3847142858",
            "Proportion": "7.405980271270037",
            "ReqHitRate": "99.37565036420395",
            "TotalBytes": "4816113023",
            "BytesProportion": "7.111987963257421",
            "ByteHitRate": "99.82548062184921",
            "TotalQuery": "1922",
            "RegionEname": "Guangdong",
            "Region": "Guangdong",
            "AvgResponseRate": "1040.446859646019",
            "AvgObjectSize": "2505782.0102497404",
            "ReqErrRate": "0.0",
            "Qps": "0.03813492063492063",
            "AvgResponseTime": "2408.3709677419356"
        }]
    },
    "DataInterval": "86400",
    "RequestId": "2E5AD83F-BD7B-462E-8319-2E30E305519A",
    "DomainName": "example.com",
    "EndTime": "2015-12-07T12:00:00Z",
    "StartTime": "2015-12-05T12:00:00Z"
}
```


Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.
404	InvalidDomain.NotFound	The domain provided does not exist in our records.	The error message returned because the specified domain name does not exist or does not belong to the current Alibaba Cloud account. Check whether the domain name is correctly specified, whether the domain name is under the current Alibaba Cloud account, and whether the domain name is expired.

For a list of error codes, visit the API Error Center.

9.3.4. DescribeDomainUvData

Queries the unique visitor (UV) data of an accelerated domain name. The data is collected at an interval of one hour. You can query data collected within the last 90 days.

Note

- If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
- You can specify only one accelerated domain name or all accelerated domain names under your Alibaba Cloud account.
- The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainUvData	The operation that you want to perform. Set the value to **DescribeDomainUvData**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
StartTime	String	No	2019-11-29T00:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-11-29T04:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	3600	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2019-11-29T04:00:00Z	The end of the time range to query.
RequestId	String	E9D3257A-1B7C-414C-90C1-8D07AC47BCAC	The ID of the request.
StartTime	String	2019-11-29T00:00:00Z	The beginning of the time range to query.

Parameter	Type	Example	Description
UvDataInterval	Array of UsageData		The number of UVs for each interval.
UsageData			
TimeStamp	String	2019-11-29T00:00:00Z	The timestamp of the data returned.
Value	String	318	The number of UVs.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainUvData
&DomainName=example.com
&StartTime=2019-11-29T00:00:00Z
&EndTime=2019-11-29T04:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainUvDataResponse>
  <DataInterval>3600</DataInterval>
  <RequestId>17276F0E-66F4-4547-B9C6-42E2547362D4</RequestId>
  <DomainName>example.com</DomainName>
  <EndTime>2019-11-29T04:00:00Z</EndTime>
  <StartTime>2019-11-29T00:00:00Z</StartTime>
  <UvDataInterval>
        <UsageData>
              <TimeStamp>2019-11-29T00:00:00Z</TimeStamp>
              <Value>2</Value>
        </UsageData>
        <UsageData>
              <TimeStamp>2019-11-29T01:00:00Z</TimeStamp>
              <Value>12</Value>
        </UsageData>
        <UsageData>
              <TimeStamp>2019-11-29T02:00:00Z</TimeStamp>
              <Value>6</Value>
        </UsageData>
        <UsageData>
              <TimeStamp>2019-11-29T03:00:00Z</TimeStamp>
              <Value>7</Value>
        </UsageData>
        <UsageData>
              <TimeStamp>2019-11-29T04:00:00Z</TimeStamp>
              <Value>5</Value>
        </UsageData>
  </UvDataInterval>
</DescribeDomainUvDataResponse>
```

`JSON` format

```
{
    "DataInterval": "3600",
    "RequestId": "17276F0E-66F4-4547-B9C6-42E2547362D4",
    "DomainName": "example.com",
    "EndTime": "2019-11-29T04:00:00Z",
    "StartTime": "2019-11-29T00:00:00Z",
    "UvDataInterval": {
        "UsageData": [
            {
                "TimeStamp": "2019-11-29T00:00:00Z",
                "Value": "2"
            },
            {
                "TimeStamp": "2019-11-29T01:00:00Z",
                "Value": "12"
            },
            {
                "TimeStamp": "2019-11-29T02:00:00Z",
                "Value": "6"
            },
            {
                "TimeStamp": "2019-11-29T03:00:00Z",
                "Value": "7"
            },
            {
                "TimeStamp": "2019-11-29T04:00:00Z",
                "Value": "5"
            }
        ]
    }
}
```


Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	StartTime and EndTime can not be single.	The error message returned because both the StartTime and EndTime parameters must be set.
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.

HttpCode	Error code	Error message	Description
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Mismatch	Specified end time does not math the specified start time.	The error message returned because the end time must be later than the start time.
400	InvalidDomainName.ValueNotSupported	The specified value of parameter DomainName only support one or empty value.	The error message returned because you can specify at most one accelerated domain name.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.

For a list of error codes, visit the API Error Center.

9.3.5. DescribeDomainPvData

Queries the page view (PV) data of an accelerated domain name. The data is collected at an interval of one hour. You can query data within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 50.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainPvData	The operation that you want to perform. Set the value to **DescribeDomainPvData**.

Parameter	Type	Required	Example	Description
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
StartTime	String	No	2015-11-28T00:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2015-11-29T00:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	3600	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
StartTime	String	2015-11-28T03:00:00Z	The beginning of the time range that was queried.
EndTime	String	2015-11-28T04:00:00Z	The end of the time range that was queried.
RequestId	String	BCD7D917-76F1-442F-BB75-C810DE34C761	The ID of the request.
PvDataInterval	Array of UsageData		The number of PVs at each interval.
UsageData			
TimeStamp	String	2015-11-28T03:00:00Z	The timestamp of the data.

Parameter	Type	Example	Description
Value	String	9292	The number of PVs.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainPvData
&DomainName=example.com
&StartTime=2015-11-28T00:00:00Z
&EndTime=2015-11-29T00:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainPvDataResponse>
      <DataInterval>3600</DataInterval>
      <RequestId>BCD7D917-76F1-442F-BB75-C810DE34C761</RequestId>
      <DomainName>example.com</DomainName>
      <EndTime>2015-11-29T00:00:00Z</EndTime>
      <PvDataInterval>
            <UsageData>
                  <TimeStamp>2015-11-28T03:00:00Z</TimeStamp>
                  <Value>9292</Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T23:00:00Z</TimeStamp>
                  <Value>9239</Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T07:00:00Z</TimeStamp>
                  <Value>9464</Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T12:00:00Z</TimeStamp>
                  <Value>9379</Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T22:00:00Z</TimeStamp>
                  <Value>9243</Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T10:00:00Z</TimeStamp>
                  <Value>10063</Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T15:00:00Z</TimeStamp>
                  <Value>9068</Value>
            </UsageData>
            <UsageData>
```

```
            <TimeStamp>2015-11-28T14:00:00Z</TimeStamp>
            <Value>9353</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T04:00:00Z</TimeStamp>
            <Value>9513</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T02:00:00Z</TimeStamp>
            <Value>9377</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T08:00:00Z</TimeStamp>
            <Value>9579</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T20:00:00Z</TimeStamp>
            <Value>9109</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T09:00:00Z</TimeStamp>
            <Value>10631</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T06:00:00Z</TimeStamp>
            <Value>9587</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T01:00:00Z</TimeStamp>
            <Value>9108</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T16:00:00Z</TimeStamp>
            <Value>9454</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T21:00:00Z</TimeStamp>
            <Value>9285</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T19:00:00Z</TimeStamp>
            <Value>9059</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T00:00:00Z</TimeStamp>
            <Value>9470</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T05:00:00Z</TimeStamp>
            <Value>11830</Value>
        </UsageData>
        <UsageData>
            <TimeStamp>2015-11-28T13:00:00Z</TimeStamp>
            <Value>9992</Value>
```

```
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T17:00:00Z</TimeStamp>
                  <Value>9529</Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T18:00:00Z</TimeStamp>
                  <Value>9203</Value>
            </UsageData>
            <UsageData>
                  <TimeStamp>2015-11-28T11:00:00Z</TimeStamp>
                  <Value>9604</Value>
            </UsageData>
      </PvDataInterval>
      <StartTime>2015-11-28T00:00:00Z</StartTime>
</DescribeDomainPvDataResponse>
```

`JSON` format

```
{
    "DataInterval": "3600",
    "RequestId": "BCD7D917-76F1-442F-BB75-C810DE34C761",
    "DomainName": "example.com",
    "EndTime": "2015-11-29T00:00:00Z",
    "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"
            }
        ]
    },
    "StartTime": "2015-11-28T00:00:00Z"
}
```


Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	StartTime and EndTime can not be single.	The error message returned because both the StartTime and EndTime parameters must be set.
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Mismatch	Specified end time does not math the specified start time.	The error message returned because the end time must be later than the start time.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.

HttpCode	Error code	Error message	Description
400	InvalidDomainName.ValueNotSupported	The specified value of parameter DomainName only support one or empty value.	The error message returned because you can specify at most one accelerated domain name for the DomainName parameter.

For a list of error codes, visit the API Error Center.

9.3.6. DescribeDomainTopClientIpVisit

Queries client IP addresses that are ranked by the number of requests or the amount of network traffic within a specific time range for accelerated domain names. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - Data is collected at an interval of one hour.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainTopClientIpVisit	The operation that you want to perform. Set the value to **DescribeDomainTopClientIpVisit**.
DomainName	String	No	example.com	The accelerated domain names. Separate multiple domain names with commas (,). By default, all accelerated domain names are queried.

Parameter	Type	Required	Example	Description
LocationNameEn	String	No	beijing	The name of the region. You can specify multiple regions and separate them with commas (,). You can call the DescribeCdnRegionAndIsp operation to query regions.
StartTime	String	No	2019-09-30T16:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-10-01T16:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
SortBy	String	No	traf	The method that is used to sort the client IP addresses. Valid values: • **traf**: specifies that the client IP addresses are sorted by network traffic. This is the default value. • **acc**: specifies that the client IP addresses are sorted by the number of requests.
Limit	String	No	20	The maximum number of entries to return. Valid values: 1 to 100. Default value: 20. The default value 20 specifies that the top 20 data entries are returned.

Response parameters

Parameter	Type	Example	Description
ClientIpList	Array of ClientIp		A list of client IP addresses returned.
Acc	Long	256	The total number of requests.

Parameter	Type	Example	Description
ClientIp	String	1.1.xxx	The client IP address returned. Only IPv4 addressed are supported.
Rank	Integer	2	The ranking of the client IP address returned.
Traffic	Long	1024	The total amount of network traffic consumed by the IP address. Unit: bytes.
RequestId	String	64D28B53-5902-409B-94F6-FD46680144FE	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainTopClientIpVisit
&DomainName=example.com
&StartTime=2019-09-30T16:00:00Z
&EndTime=2019-10-01T16:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainTopClientIpVisitResponse>
  <RequestId>64D28B53-5902-409B-94F6-FD46680144FE</RequestId>
  <ClientIpList>
        <Rank>1</Rank>
        <ClientIp>1.1.xx</ClientIp>
        <Traffic>1024</Traffic>
        <Acc>128</Acc>
  </ClientIpList>
  <ClientIpList>
        <Rank>2</Rank>
        <ClientIp>2.2.xx</ClientIp>
        <Traffic>2048</Traffic>
        <Acc>256</Acc>
  </ClientIpList>
</DescribeDomainTopClientIpVisitResponse>
```

`JSON` format

```
{
        "RequestId": "64D28B53-5902-409B-94F6-FD46680144FE",
    "ClientIpList": [
        {
            "Rank": 1,
            "ClientIp": "1.1.xx",
            "Traffic": 1024,
            "Acc": 128
        },
        {
            "Rank": 2,
            "ClientIp": "2.2.xx",
            "Traffic": 2048,
            "Acc": 256
        }
    ]
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.

For a list of error codes, visit the API Error Center.

9.3.7. DescribeDomainISPData

Queries the proportions of data usage of different Internet service providers (ISPs). The data is collected at an interval of one day. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - This operation queries proportions of data usage of different ISPs for only a specific accelerated domain name, or for all accelerated domain names under your Alibaba Cloud account.
> - The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainISPData	The operation that you want to perform. Set the value to **DescribeDomainISPData**.
DomainName	String	No	example.com	The accelerated domain name. You can specify only one domain name. By default, all accelerated domain names are queried.
StartTime	String	No	2019-11-29T05:33:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	86400	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
EndTime	String	2019-11-30T05:40:00Z	The end of the time range that was queried.
RequestId	String	DE81639B-DAC1-4C76-AB72-F34B836837D5	The ID of the request.
StartTime	String	2019-11-29T05:33:00Z	The beginning of the time range that was queried.
Value	Array of ISPProportionData		The proportions of requests initiated through each ISP.
ISPProportionData			
AvgObjectSize	String	7081884.7	The average response size. Unit: bytes.
AvgResponseRate	String	88.92594866772144	The average response rate. Unit: byte/ms.
AvgResponseTime	String	79638.0	The average response time. Unit: milliseconds.
Bps	String	1311.4601296296296	The bandwidth value.
BytesProportion	String	0.012220518530445479	The proportion of the network traffic.
ISP	String	Alibaba Cloud	The information about the ISP.
IspEname	String	alibaba	The name of the ISP.
Proportion	String	0.004509176173513099	The proportion of data usage.
Qps	String	2.3148148148148147E-5	The number of queries per second.

Parameter	Type	Example	Description
ReqErrRate	String	0.0	The request error rate.
TotalBytes	String	7081884	The total amount of network traffic.
TotalQuery	String	1	The total number of queries.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainISPData
&DomainName=example.com
&StartTime=2015-12-05T00:00:00Z
&EndTime=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainISPDataResponse>
      <Value>
            <ISPProportionData>
                  <ByteHitRate>100.0</ByteHitRate>
                  <TotalQuery>1</TotalQuery>
                  <Bps>1311.4601296296296</Bps>
                  <Proportion>0.004509176173513099</Proportion>
                  <AvgResponseRate>88.92594866772144</AvgResponseRate>
                  <IspEname>alibaba</IspEname>
                  <AvgObjectSize>7081884.7</AvgObjectSize>
                  <ISP>Alibaba</ISP>
                  <ReqErrRate>0.0</ReqErrRate>
                  <Qps>2.3148148148148147E-5</Qps>
                  <AvgResponseTime>79638.0</AvgResponseTime>
                  <ReqHitRate>100.0</ReqHitRate>
                  <TotalBytes>7081884</TotalBytes>
                  <BytesProportion>0.012220518530445479</BytesProportion>
            </ISPProportionData>
            <ISPProportionData>
                  <ByteHitRate>100.0</ByteHitRate>
                  <TotalQuery>3</TotalQuery>
                  <Bps>444.455</Bps>
                  <Proportion>0.013527528520539298</Proportion>
                  <AvgResponseRate>154.3345765545624</AvgResponseRate>
                  <IspEname>overseas</IspEname>
                  <AvgObjectSize>800019.0</AvgObjectSize>
                  <ISP>ISPs outside mainland China</ISP>
                  <ReqErrRate>0.0</ReqErrRate>
                  <Qps>6.944444444444444E-5</Qps>
```

```
            <AvgResponseTime>5183.666666666667</AvgResponseTime>
            <ReqHitRate>100.0</ReqHitRate>
            <TotalBytes>2400057</TotalBytes>
            <BytesProportion>0.004141544558417533</BytesProportion>
        </ISPProportionData>
        <ISPProportionData>
            <ByteHitRate>100.0</ByteHitRate>
            <TotalQuery>82</TotalQuery>
            <Bps>45838.64816666667</Bps>
            <Proportion>0.3697524462280741</Proportion>
            <AvgResponseRate>1025.5028528460102</AvgResponseRate>
            <IspEname>drpeng</IspEname>
            <AvgObjectSize>3018642.684146342</AvgObjectSize>
            <ISP>Dr. Peng</ISP>
            <ReqErrRate>0.0</ReqErrRate>
            <Qps>0.0018981481481481482</Qps>
            <AvgResponseTime>2943.5731707317073</AvgResponseTime>
            <ReqHitRate>100.0</ReqHitRate>
            <TotalBytes>247528700</TotalBytes>
            <BytesProportion>0.42713616424581613</BytesProportion>
        </ISPProportionData>
        <ISPProportionData>
            <ByteHitRate>99.99999999999999</ByteHitRate>
            <TotalQuery>114</TotalQuery>
            <Bps>65933.51396296297</Bps>
            <Proportion>0.5140460837804933</Proportion>
            <AvgResponseRate>484.6396117340071</AvgResponseRate>
            <IspEname>cernet</IspEname>
            <AvgObjectSize>3123166.4508771934</AvgObjectSize>
            <ISP>CERNET</ISP>
            <ReqErrRate>0.0</ReqErrRate>
            <Qps>0.002638888888888889</Qps>
            <AvgResponseTime>6444.30701754386</AvgResponseTime>
            <ReqHitRate>100.0</ReqHitRate>
            <TotalBytes>356040975</TotalBytes>
            <BytesProportion>0.6143852267848392</BytesProportion>
        </ISPProportionData>
        <ISPProportionData>
            <ByteHitRate>100.0</ByteHitRate>
            <TotalQuery>207</TotalQuery>
            <Bps>81128.73735185186</Bps>
            <Proportion>0.9333994679172115</Proportion>
            <AvgResponseRate>752.2096624205244</AvgResponseRate>
            <IspEname>tietong</IspEname>
            <AvgObjectSize>2116401.843961353</AvgObjectSize>
            <ISP>Tietong</ISP>
            <ReqErrRate>0.0</ReqErrRate>
            <Qps>0.004791666666666666</Qps>
            <AvgResponseTime>2813.5797101449275</AvgResponseTime>
            <ReqHitRate>100.0</ReqHitRate>
            <TotalBytes>438095181</TotalBytes>
            <BytesProportion>0.7559781771177001</BytesProportion>
        </ISPProportionData>
        <ISPProportionData>
```

```
            <ByteHitRate>100.00000000000001</ByteHitRate>
            <TotalQuery>256</TotalQuery>
            <Bps>129137.37100000001</Bps>
            <Proportion>1.1543491004193533</Proportion>
            <AvgResponseRate>321.5924922592767</AvgResponseRate>
            <IspEname>other</IspEname>
            <AvgObjectSize>2723991.4195312504</AvgObjectSize>
            <ISP>Other ISPs</ISP>
            <ReqErrRate>0.0</ReqErrRate>
            <Qps>0.005925925925925926</Qps>
            <AvgResponseTime>8470.3203125</AvgResponseTime>
            <ReqHitRate>100.0</ReqHitRate>
            <TotalBytes>697341803</TotalBytes>
            <BytesProportion>1.2033348171432345</BytesProportion>
        </ISPProportionData>
        <ISPProportionData>
            <ByteHitRate>99.14745652563326</ByteHitRate>
            <TotalQuery>2866</TotalQuery>
            <Bps>879955.1972037038</Bps>
            <Proportion>12.923298913288543</Proportion>
            <AvgResponseRate>1004.5513789924338</AvgResponseRate>
            <IspEname>mobile</IspEname>
            <AvgObjectSize>1657975.598360084</AvgObjectSize>
            <ISP>China Mobile</ISP>
            <ReqErrRate>0.0</ReqErrRate>
            <Qps>0.06634259259259259</Qps>
            <AvgResponseTime>1650.463712491277</AvgResponseTime>
            <ReqHitRate>97.3831123517097</ReqHitRate>
            <TotalBytes>4751758064</TotalBytes>
            <BytesProportion>8.19964599032574</BytesProportion>
        </ISPProportionData>
        <ISPProportionData>
            <ByteHitRate>99.99981717005271</ByteHitRate>
            <TotalQuery>6534</TotalQuery>
            <Bps>3194660.60262963</Bps>
            <Proportion>29.46295711773459</Proportion>
            <AvgResponseRate>1171.525957981939</AvgResponseRate>
            <IspEname>unicom</IspEname>
            <AvgObjectSize>2640215.374074074</AvgObjectSize>
            <ISP>China Unicom</ISP>
            <ReqErrRate>0.0</ReqErrRate>
            <Qps>0.15125</Qps>
            <AvgResponseTime>2253.6550352004897</AvgResponseTime>
            <ReqHitRate>99.96939087848179</ReqHitRate>
            <TotalBytes>17251167254</TotalBytes>
            <BytesProportion>29.768658772680293</BytesProportion>
        </ISPProportionData>
        <ISPProportionData>
            <ByteHitRate>99.99968869093071</ByteHitRate>
            <TotalQuery>12114</TotalQuery>
            <Bps>6333214.260796296</Bps>
            <Proportion>54.62416016593768</Proportion>
            <AvgResponseRate>984.184264638081</AvgResponseRate>
            <IspEname>telecom</IspEname>
```

```
                <AvgObjectSize>2823126.71357933</AvgObjectSize>
                <ISP>China Telecom</ISP>
                <ReqErrRate>0.0</ReqErrRate>
                <Qps>0.28041666666666665</Qps>
                <AvgResponseTime>2868.494056463596</AvgResponseTime>
                <ReqHitRate>99.97523526498266</ReqHitRate>
                <TotalBytes>34199357008</TotalBytes>
                <BytesProportion>59.01449878861353</BytesProportion>
            </ISPProportionData>
        </Value>
        <DataInterval>86400</DataInterval>
        <RequestId>DE81639B-DAC1-4C76-AB72-F34B836837D5</RequestId>
        <DomainName>example.com</DomainName>
        <EndTime>2019-11-29T05:33:00Z</EndTime>
        <StartTime>2019-11-29T05:33:00Z</StartTime>
</DescribeDomainISPDataResponse>
```

`JSON` format

```
{
    "Value": {
        "ISPProportionData": [{
            "ByteHitRate": "100.0",
            "TotalQuery": "1",
            "Bps": "1311.4601296296296",
            "Proportion": "0.004509176173513099",
            "AvgResponseRate": "88.92594866772144",
            "IspEname": "alibaba",
            "AvgObjectSize": "7081884.7",
            "ISP": "Alibaba",
            "ReqErrRate": "0.0",
            "Qps": "2.3148148148148147E-5",
            "AvgResponseTime": "79638.0",
            "ReqHitRate": "100.0",
            "TotalBytes": "7081884",
            "BytesProportion": "0.012220518530445479"
        }, {
            "ByteHitRate": "100.0",
            "TotalQuery": "3",
            "Bps": "444.455",
            "Proportion": "0.013527528520539298",
            "AvgResponseRate": "154.3345765545624",
            "IspEname": "overseas",
            "AvgObjectSize": "800019.0",
            "ISP": "ISPs outside mainland China",
            "ReqErrRate": "0.0",
            "Qps": "6.944444444444444E-5",
            "AvgResponseTime": "5183.666666666667",
            "ReqHitRate": "100.0",
            "TotalBytes": "2400057",
            "BytesProportion": "0.004141544558417533"
        }, {
            "ByteHitRate": "100.0",
            "TotalQuery": "82",
```

```
            "Bps": "45838.64816666667",
            "Proportion": "0.3697524462280741",
            "AvgResponseRate": "1025.5028528460102",
            "IspEname": "drpeng",
            "AvgObjectSize": "3018642.684146342",
            "ISP": "Dr.Peng",
            "ReqErrRate": "0.0",
            "Qps": "0.0018981481481481482",
            "AvgResponseTime": "2943.5731707317073",
            "ReqHitRate": "100.0",
            "TotalBytes": "247528700",
            "BytesProportion": "0.42713616424581613"
        }, {
            "ByteHitRate": "99.99999999999999",
            "TotalQuery": "114",
            "Bps": "65933.51396296297",
            "Proportion": "0.5140460837804933",
            "AvgResponseRate": "484.6396117340071",
            "IspEname": "cernet",
            "AvgObjectSize": "3123166.4508771934",
            "ISP": "CERNET",
            "ReqErrRate": "0.0",
            "Qps": "0.002638888888888889",
            "AvgResponseTime": "6444.30701754386",
            "ReqHitRate": "100.0",
            "TotalBytes": "356040975",
            "BytesProportion": "0.6143852267848392"
        }, {
            "ByteHitRate": "100.0",
            "TotalQuery": "207",
            "Bps": "81128.73735185186",
            "Proportion": "0.9333994679172115",
            "AvgResponseRate": "752.2096624205244",
            "IspEname": "tietong",
            "AvgObjectSize": "2116401.843961353",
            "ISP": "Tietong",
            "ReqErrRate": "0.0",
            "Qps": "0.004791666666666666",
            "AvgResponseTime": "2813.5797101449275",
            "ReqHitRate": "100.0",
            "TotalBytes": "438095181",
            "BytesProportion": "0.7559781771177001"
        }, {
            "ByteHitRate": "100.00000000000001",
            "TotalQuery": "256",
            "Bps": "129137.37100000001",
            "Proportion": "1.1543491004193533",
            "AvgResponseRate": "321.5924922592767",
            "IspEname": "other",
            "AvgObjectSize": "2723991.4195312504",
            "ISP": "Other ISPs",
            "ReqErrRate": "0.0",
            "Qps": "0.005925925925925926",
            "AvgResponseTime": "8470.3203125",
```

```
            "ReqHitRate": "100.0",
            "TotalBytes": "697341803",
            "BytesProportion": "1.2033348171432345"
        }, {
            "ByteHitRate": "99.14745652563326",
            "TotalQuery": "2866",
            "Bps": "879955.1972037038",
            "Proportion": "12.923298913288543",
            "AvgResponseRate": "1004.5513789924338",
            "IspEname": "mobile",
            "AvgObjectSize": "1657975.598360084",
            "ISP": "China Mobile",
            "ReqErrRate": "0.0",
            "Qps": "0.06634259259259259",
            "AvgResponseTime": "1650.463712491277",
            "ReqHitRate": "97.3831123517097",
            "TotalBytes": "4751758064",
            "BytesProportion": "8.19964599032574"
        }, {
            "ByteHitRate": "99.99981717005271",
            "TotalQuery": "6534",
            "Bps": "3194660.60262963",
            "Proportion": "29.46295711773459",
            "AvgResponseRate": "1171.525957981939",
            "IspEname": "unicom",
            "AvgObjectSize": "2640215.374074074",
            "ISP": "China Unicom",
            "ReqErrRate": "0.0",
            "Qps": "0.15125",
            "AvgResponseTime": "2253.6550352004897",
            "ReqHitRate": "99.96939087848179",
            "TotalBytes": "17251167254",
            "BytesProportion": "29.768658772680293"
        }, {
            "ByteHitRate": "99.99968869093071",
            "TotalQuery": "12114",
            "Bps": "6333214.260796296",
            "Proportion": "54.62416016593768",
            "AvgResponseRate": "984.184264638081",
            "IspEname": "telecom",
            "AvgObjectSize": "2823126.71357933",
            "ISP": "China Telecom",
            "ReqErrRate": "0.0",
            "Qps": "0.28041666666666665",
            "AvgResponseTime": "2868.494056463596",
            "ReqHitRate": "99.97523526498266",
            "TotalBytes": "34199357008",
            "BytesProportion": "59.01449878861353"
        }]
    },
    "DataInterval": "86400",
    "RequestId": "DE81639B-DAC1-4C76-AB72-F34B836837D5",
    "DomainName": "example.com",
    "EndTime": "2019-11-30T05:40:00Z",
```

```
    "StartTime": "2019-11-29T05:33:00Z"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.
404	InvalidDomain.NotFound	The domain provided does not exist in our records.	The error message returned because the specified domain name does not exist or does not belong to the current Alibaba Cloud account. Check whether the domain name is correctly specified, whether the domain name is under the current Alibaba Cloud account, and whether the domain name is expired.

For a list of error codes, visit the API Error Center.

9.3.8. DescribeDomainTopUrlVisit

Queries top 100 frequently requested URLs of an accelerated domain name in a specified time range.

Note

- If you do not set StartTime or EndTime, data within the last 24 hours is queried. If you set both StartTime and EndTime, data within the specified time range is queried.
- You can query data collected within the last 90 days.
- You can specify only one accelerated domain name or all accelerated domain names of your Alibaba Cloud account.
- The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainTopUrlVisit	The operation that you want to perform. Set the value to **DescribeDomainTopUrlVisit**.
DomainName	String	Yes	example.com	The accelerated domain name for which you want to query data. If you do not set this parameter, frequently requested URLs of all accelerated domain names of your Alibaba Cloud account are queried.
StartTime	String	No	2019-10-04T00:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. If you want to query data within a specific day, we recommend that you set the value in the yyyy-MM-ddT16:00:00Z format.
EndTime	String	No	2019-10-04T16:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time. The difference between the end time and the start time cannot exceed seven days.
SortBy	String	No	pv	The method that is used to sort the returned URLs. Valid values: • **traf**: by network traffic. • **pv**: by the number of page views. This is the default value.

Response parameters

Parameter	Type	Example	Description
AllUrlList	Array of UrlList		A list of frequently requested URLs.
UrlList			
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.
UrlDetail	String	http://example.com/nn_live/nn_x64/a0.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.
DomainName	String	example.com	The accelerated domain name for which the data was returned.
RequestId	String	64D28B53-5902-409B-94F6-FD46680144FE	The ID of the request.
StartTime	String	2019-10-03T16:00:00Z	The beginning of the time range that was queried.
Url200List	Array of UrlList		A list of URLs for which 2xx status codes were returned.
UrlList			
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.

Parameter	Type	Example	Description
UrlDetail	String	http://example.com/nn_live/nn_x64/aWQ9SE5KU0bGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.
Url300List	Array of UrlList		A list of URLs for which 3xx status codes were returned.
UrlList			
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.
UrlDetail	String	http://example.com/nn_live/nn_x64/a0.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.
Url400List	Array of UrlList		A list of URLs for which 4xx status codes were returned.
UrlList			
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.

Parameter	Type	Example	Description
UrlDetail	String	http://example.com/nn_live/nn_x64/aWQ9SE5KU01QUhbGxfcGNfbGl2ZQ,,/HNJSMPP360.m3u8	The complete URL.
VisitData	String	1884	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.
Url500List	Array of UrlList		A list of URLs for which 5xx status codes were returned.
UrlList			
Flow	String	460486880	The network traffic consumed by visits to the URL, in bytes.
FlowProportion	Float	0.35	The proportion of network traffic consumed to access the URL.
UrlDetail	String	http://example.com/nn_live/nn_x64/aWQ9SE5KU0GNfbGl2ZQ,,/HNJSMPP360.m3u8	The complete URL.
VisitData	String	161673	The number of visits to the URL.
VisitProportion	Float	0.35	The proportion of visits to the URL.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeDomainTopUrlVisit
&DomainName=example.com
&StartTime=2019-10-04T00:00:00Z
&EndTime=2019-10-04T16:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainTopUrlVisitResponse>
```

```
  <Url300List>
</Url300List>
  <AllUrlList>
        <UrlList>
              <Flow>9304</Flow>
              <VisitProportion>0</VisitProportion>
              <VisitData>2</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/a0.m3u8</UrlDetail>
              <FlowProportion>0</FlowProportion>
        </UrlList>
        <UrlList>
              <Flow>3986</Flow>
              <VisitProportion>0</VisitProportion>
              <VisitData>1</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/a0.m3u8</UrlDetail>
              <FlowProportion>0</FlowProportion>
        </UrlList>
        <UrlList>
              <Flow>784</Flow>
              <VisitProportion>0</VisitProportion>
              <VisitData>1</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/a0.m3u8</UrlDetail>
              <FlowProportion>0</FlowProportion>
        </UrlList>
  </AllUrlList>
  <Url400List>
        <UrlList>
              <Flow>3986</Flow>
              <VisitProportion>0</VisitProportion>
              <VisitData>1</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/a0.m3u8</UrlDetail>
              <FlowProportion>0</FlowProportion>
        </UrlList>
        <UrlList>
              <Flow>784</Flow>
              <VisitProportion>0</VisitProportion>
              <VisitData>1</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/a0.m3u8</UrlDetail>
              <FlowProportion>0</FlowProportion>
        </UrlList>
  </Url400List>
  <RequestId>8E7A2ABF-1BB0-4E46-AE3E-58DB3151080C</RequestId>
  <DomainName>example.com</DomainName>
  <Url200List>
        <UrlList>
              <Flow>9304</Flow>
              <VisitProportion>0</VisitProportion>
              <VisitData>2</VisitData>
              <UrlDetail>http://example.com/nn_live/nn_x64/a0.m3u8</UrlDetail>
              <FlowProportion>0</FlowProportion>
        </UrlList>
  </Url200List>
  <StartTime>2019-10-04T00:00:00Z</StartTime>
  <Url500List>
```

```
</Url500List>
</DescribeDomainTopUrlVisitResponse>
```

`JSON` format


```
{
    "Url300List": {
        "UrlList": []
    },
    "AllUrlList": {
        "UrlList": [
            {
                "Flow": 9304,
                "VisitProportion": 0,
                "VisitData": 2,
                "UrlDetail": "http://example.com/nn_live/nn_x64/a0.m3u8",
                "FlowProportion": 0
            },
            {
                "Flow": 3986,
                "VisitProportion": 0,
                "VisitData": 1,
                "UrlDetail": "http://example.com/nn_live/nn_x64/a0.m3u8",
                "FlowProportion": 0
            },
            {
                "Flow": 784,
                "VisitProportion": 0,
                "VisitData": 1,
                "UrlDetail": "http://example.com/nn_live/nn_x64/a0.m3u8",
                "FlowProportion": 0
            }
        ]
    },
    "Url400List": {
        "UrlList": [
            {
                "Flow": 3986,
                "VisitProportion": 0,
                "VisitData": 1,
                "UrlDetail": "http://example.com/nn_live/nn_x64/a0.m3u8",
                "FlowProportion": 0
            },
            {
                "Flow": 784,
                "VisitProportion": 0,
                "VisitData": 1,
                "UrlDetail": "http://example.com/nn_live/nn_x64/a0.m3u8",
                "FlowProportion": 0
            }
        ]
    },
    "RequestId": "8E7A2ABF-1BB0-4E46-AE3E-58DB3151080C",
    "DomainName": "example.com",
```

```
    "Url200List": {
        "UrlList": [
            {
                "Flow": 9304,
                "VisitProportion": 0,
                "VisitData": 2,
                "UrlDetail": "http://example.com/nn_live/nn_x64/a0.m3u8",
                "FlowProportion": 0
            }
        ]
    },
    "StartTime": "2019-10-04T00:00:00Z",
    "Url500List": {
        "UrlList": []
    }
}
```

Error codes

HTTP status code	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid.

For a list of error codes, visit the API Error Center.

9.3.9. DescribeDomainTopReferVisit

Queries and sorts frequently requested web pages on a specified day. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - Data is collected at an interval of five minutes.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainTopReferVisit	The operation that you want to perform. Set the value to **DescribeDomainTopReferVisit**.
DomainName	String	Yes	example.com	The accelerated domain names. Separate multiple domain names with commas (,).
StartTime	String	No	2019-12-21T12:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-12-22T12:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
SortBy	String	No	pv	The method that is used to sort the returned client IP addresses. Valid values: Valid values: • **traf**: by network traffic. • **pv**: by the number of page views. This is the default value.

Parameter	Type	Required	Example	Description
Percent	String	No	0.5	The percentage of network traffic or PVs of the web page. Valid values: 0 to 1.

Response parameters

Parameter	Type	Example	Description
RequestId	String	95994621-8382-464B-8762-C708E73568D1	The ID of the request.
DomainName	String	example.com	The accelerated domain name.
StartTime	String	2019-12-21T12:00:00Z	The beginning of the time range that was queried.
TopReferList	Array of ReferList		A list of the most frequently requested web pages.
ReferList			
ReferDetail	String	learn.aliyundoc.com	The URLs to the most frequently requested web pages.
VisitData	String	3	The number of visits to the web page.
Flow	String	200	The amount of network traffic consumed for visiting the web page. Unit: bytes.
FlowProportion	Float	0.5	The proportion of the network traffic that has been consumed for visiting the web page.
VisitProportion	Float	0.5	The proportion of visits to the web page.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainTopReferVisit
&DomainName=example.com
&StartTime=2019-12-21T12:00:00Z
&EndTime=2019-12-22T12:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainTopReferVisitResponse>
  <TopReferList>
        <ReferList>
              <Flow>1557043</Flow>
              <VisitProportion>0.9078341013824884</VisitProportion>
              <VisitData>591</VisitData>
              <ReferDetail>-</ReferDetail>
              <FlowProportion>0.07801388057582173</FlowProportion>
        </ReferList>
        <ReferList>
              <Flow>18397394</Flow>
              <VisitProportion>0.08602150537634409</VisitProportion>
              <VisitData>56</VisitData>
              <ReferDetail>learn.aliyundoc.com</ReferDetail>
              <FlowProportion>0.9217806434519402</FlowProportion>
        </ReferList>
        <ReferList>
              <Flow>4101</Flow>
              <VisitProportion>0.006144393241167435</VisitProportion>
              <VisitData>4</VisitData>
              <ReferDetail>learn.aliyundoc.com</ReferDetail>
              <FlowProportion>0.00020547597223804668</FlowProportion>
        </ReferList>
  </TopReferList>
  <RequestId>BA64068A-D73C-4613-8AAB-E9374F78FB95</RequestId>
  <DomainName>example.com</DomainName>
  <StartTime>2019-12-21T12:00:00Z</StartTime>
</DescribeDomainTopReferVisitResponse>
```

`JSON` format

```
{
    "TopReferList": {
        "ReferList": [
            {
                "Flow": 1557043,
                "VisitProportion": "0.9078341013824884",
                "VisitData": 591,
                "ReferDetail": "-",
                "FlowProportion": "0.07801388057582173"
            },
            {
                "Flow": 18397394,
                "VisitProportion": "0.08602150537634409",
                "VisitData": 56,
                "ReferDetail": "learn.aliyundoc.com",
                "FlowProportion": "0.9217806434519402"
            },
            {
                "Flow": 4101,
                "VisitProportion": "0.006144393241167435",
                "VisitData": 4,
                "ReferDetail": "learn.aliyundoc.com",
                "FlowProportion": "0.00020547597223804668"
            }
        ]
    },
    "RequestId": "BA64068A-D73C-4613-8AAB-E9374F78FB95",
    "DomainName": "example.com",
    "StartTime": "2019-12-21T12:00:00Z"
}
```


Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid.

For a list of error codes, visit the API Error Center.

9.3.10. DescribeDomainFileSizeProportionData

Queries the proportions of file sizes. The data is collected at an interval of one hour. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainFileSizeProportionData	The operation that you want to perform. Set the value to **DescribeDomainFileSizeProportionData**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
StartTime	String	No	2019-12-31T01:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the YYYY-MM-DDThh:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2019-12-31T02:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DataInterval	String	3600	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com	The accelerated domain name.
StartTime	String	2019-12-31T01:00:00Z	The beginning of the time range that was queried.
EndTime	String	2019-12-31T02:00:00Z	The end of the time range that was queried.
RequestId	String	23ACE7E2-2302-42E3-98F8-E5E697FD86C3	The ID of the request.
FileSizeProportionDataInterval	Array of UsageData		The number of queries per second at each interval.
UsageData			
TimeStamp	String	2019-12-31T01:00:00Z	The timestamp of the data.
Value	Array of FileSizeProportionData		The proportions of file sizes.
FileSizeProportionData			
FileSize	String	<50K	The file size range.
Proportion	String	0.01	The proportion of the file size.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainFileSizeProportionData
&DomainName=example.com
&StartTime=2019-12-31T01:00:00Z
&EndTime=2019-12-31T02:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainFileSizeProportionDataResponse>
  <DataInterval>3600</DataInterval>
  <RequestId>2609901D-9AE1-43A4-83C7-75AC76A7FAB3</RequestId>
  <FileSizeProportionDataInterval>
        <UsageData>
              <TimeStamp>2019-12-31T01:00:00Z</TimeStamp>
              <Value>
                    <FileSizeProportionData>
                          <FileSize>&lt;5K</FileSize>
                          <Proportion>56.71</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;10K</FileSize>
                          <Proportion>14.17</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;20K</FileSize>
                          <Proportion>7.46</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;50K</FileSize>
                          <Proportion>3.73</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;100K</FileSize>
                          <Proportion>2.98</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;1M</FileSize>
                          <Proportion>7.46</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&gt;1M</FileSize>
                          <Proportion>7.46</Proportion>
                    </FileSizeProportionData>
              </Value>
        </UsageData>
        <UsageData>
              <TimeStamp>2019-12-31T02:00:00Z</TimeStamp>
              <Value>
                    <FileSizeProportionData>
                          <FileSize>&lt;5K</FileSize>
                          <Proportion>61.11</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;10K</FileSize>
                          <Proportion>14.44</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;20K</FileSize>
                          <Proportion>7.77</Proportion>
                    </FileSizeProportionData>
```

```
                    <FileSizeProportionData>
                          <FileSize>&lt;50K</FileSize>
                          <Proportion>2.22</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;100K</FileSize>
                          <Proportion>2.22</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&lt;1M</FileSize>
                          <Proportion>6.66</Proportion>
                    </FileSizeProportionData>
                    <FileSizeProportionData>
                          <FileSize>&gt;1M</FileSize>
                          <Proportion>5.55</Proportion>
                    </FileSizeProportionData>
              </Value>
        </UsageData>
  </FileSizeProportionDataInterval>
  <DomainName>example.com</DomainName>
  <EndTime>2019-12-31T02:00:00Z</EndTime>
  <StartTime>2019-12-31T01:00:00Z</StartTime>
</DescribeDomainFileSizeProportionDataResponse>
```

`JSON` format

```
{
    "DataInterval": "3600",
    "RequestId": "2609901D-9AE1-43A4-83C7-75AC76A7FAB3",
    "FileSizeProportionDataInterval": {
        "UsageData": [
            {
                "TimeStamp": "2019-12-31T01:00:00Z",
                "Value": {
                    "FileSizeProportionData": [
                        {
                            "FileSize": "<5K",
                            "Proportion": "56.71"
                        },
                        {
                            "FileSize": "<10K",
                            "Proportion": "14.17"
                        },
                        {
                            "FileSize": "<20K",
                            "Proportion": "7.46"
                        },
                        {
                            "FileSize": "<50K",
                            "Proportion": "3.73"
                        },
                        {
                            "FileSize": "<100K",
                            "Proportion": "2.98"
```

```
                        },
                        {
                            "FileSize": "<1M",
                            "Proportion": "7.46"
                        },
                        {
                            "FileSize": ">1M",
                            "Proportion": "7.46"
                        }
                    ]
                }
            },
            {
                "TimeStamp": "2019-12-31T02:00:00Z",
                "Value": {
                    "FileSizeProportionData": [
                        {
                            "FileSize": "<5K",
                            "Proportion": "61.11"
                        },
                        {
                            "FileSize": "<10K",
                            "Proportion": "14.44"
                        },
                        {
                            "FileSize": "<20K",
                            "Proportion": "7.77"
                        },
                        {
                            "FileSize": "<50K",
                            "Proportion": "2.22"
                        },
                        {
                            "FileSize": "<100K",
                            "Proportion": "2.22"
                        },
                        {
                            "FileSize": "<1M",
                            "Proportion": "6.66"
                        },
                        {
                            "FileSize": ">1M",
                            "Proportion": "5.55"
                        }
                    ]
                }
            }
        ]
    },
    "DomainName": "example.com",
    "EndTime": "2019-12-31T02:00:00Z",
    "StartTime": "2019-12-31T01:00:00Z"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	StartTime and EndTime can not be single.	The error message returned because both the StartTime and EndTime parameters must be set.
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Mismatch	Specified EndTime does not math the specified start time.	The error message returned because the end time must be later than the start time.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is not supported.
400	InvalidDomainName.ValueNotSupported	The specified value of parameter DomainName only support one or empty value.	The error message returned because you can specify at most one accelerated domain name for the DomainName parameter.

For a list of error codes, visit the API Error Center.

9.3.11. DescribeDomainAverageResponseTime

Queries the average response time of one or more accelerated domain names. You can query data collected within the last 90 days.

> **Note**
> - If you do not set StartTime or EndTime, data collected within the last 24 hours is queried. If you set both StartTime and EndTime, data collected within the specified time range is queried.
> - The maximum number of times that each user can call this operation per second is 100.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainAverageResponseTime	The operation that you want to perform. Set the value to **DescribeDomainAverageResponseTime**.
TimeMerge	String	No	1	Specifies whether to automatically set the interval. If you set **TimeMerge** to **1**, the value of the Interval parameter is automatically assigned based on the StartTime and EndTime parameters. You can set either this parameter or the Interval parameter.
DomainType	String	No	domaintype	The query type. When you set the value to dynamic, this operation queries the average response time of dynamic resources and static resources. If you do not set this parameter, this operation queries the average response time of only static resources. By default, this parameter is not set.
DomainName	String	No	example.com	The accelerated domain names. Separate multiple domain names with commas (,). By default, all accelerated domain names are queried.
StartTime	String	No	2019-11-30T05:33:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Parameter	Type	Required	Example	Description
EndTime	String	No	2019-11-30T05:40:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.
IspNameEn	String	No	unicom	The name of the Internet service provider (ISP) for your Content Delivery Network (CDN) service. You can call the DescribeCdnRegionAndIsp operation to query ISPs. If you do not set this parameter, all ISPs are queried.
LocationNameEn	String	No	beijing	The name of the region. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list. If you do not set this parameter, all regions are queried.

Response parameters

Parameter	Type	Example	Description

Parameter	Type	Example	Description
AvgRTPerInterval	Array of DataModule		The average response time collected at each time interval.
DataModule			
TimeStamp	String	2015-12-10T20:00:00Z	The timestamp of the data returned.
Value	String	3	The average response time.
DataInterval	String	300	The time interval between the data entries returned.
DomainName	String	example.com	The accelerated domain name.
StartTime	String	2019-11-30T05:33:00Z	The beginning of the time range that was queried.
EndTime	String	2019-11-30T05:40:00Z	The end of the time range that was queried.
RequestId	String	3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeDomainAverageResponseTime
&DomainName=example.com
&StartTime=2019-11-30T05:33:00Z
&EndTime=2019-11-30T05:40:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainAverageResponseTimeResponse>
      <DomainName>example.com</DomainName>
      <RequestId>3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F</RequestId>
      <StartTime>2019-11-30T05:33:00Z</StartTime>
      <EndTime>2019-11-30T05:40:00Z</EndTime>
      <DataInterval>300</DataInterval>
      <AvgRTPerInterval>
            <DataModule>
                  <TimeStamp>2019-11-30T05:33:00Z</TimeStamp>
                  <Value>3</Value>
            </DataModule>
            <DataModule>
                  <TimeStamp>2019-11-30T05:38:00Z</TimeStamp>
                  <Value>3</Value>
            </DataModule>
      </AvgRTPerInterval>
</DescribeDomainAverageResponseTimeResponse>
```

`JSON` format

```
{
    "DomainName": "example.com",
    "RequestId": "3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F",
    "StartTime": "2019-11-30T05:40:00Z",
    "EndTime": "2019-11-30T05:33:00Z",
    "DataInterval": "300",
    "AvgRTPerInterval": {
        "DataModule": [
            {
                "TimeStamp": "2019-11-30T05:33:00Z",
                "Value": "3"
            },
            {
                "TimeStamp": "2019-11-30T05:38:00Z",
                "Value": "3"
            }
        ]
    }
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.

HttpCode	Error code	Error message	Description
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid.

For a list of error codes, visit the API Error Center.

9.4. Resource usage

9.4.1. DescribeCdnUserBillHistory

Queries the billing history under your Alibaba Cloud account.

> **Note**
> - The maximum number of times that each user can call this operation per second is 100.
> - You can query billing history up to the last one month.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnUserBillHistory	The operation that you want to perform. Set the value to **DescribeCdnUserBillHistory**.
StartTime	String	Yes	2018-09-30T16:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The minimum data collection interval is 5 minutes.

Parameter	Type	Required	Example	Description
EndTime	String	Yes	2018-10-31T16:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end of the time range to query. The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
BillHistoryData	Array of BillHistoryDataItem		The billing history returned.
BillHistoryDataItem			
BillTime	String	2018-09-30T16:00:00Z	The beginning of the time range that was queried.
BillType	String	month_4th_day_bandwidth	The billing method.
BillingData	Array of BillingDataItem		The billable items.
BillingDataItem			
Bandwidth	Float	4041	The bandwidth. Unit: bit/s.
CdnRegion	String	AP1	The billable region. Valid values: • **CN**: mainland China • **OverSeas**: regions outside mainland China • **AP1**: Asia Pacific 1 • **AP2**: Asia Pacific 2 • **AP3**: Asia Pacific 3 • **NA**: North America • **SA**: South America • **EU**: Europe • **MEAA**: Middle East and Africa

Parameter	Type	Example	Description
ChargeType	String	DynamicHttp	The billable item. Valid values: • **StaticHttp**: static HTTP requests • **DynamicHttp**: dynamic HTTP requests • **DynamicHttps**: dynamic HTTPS requests
Count	Float	203601	The number of requests.
Flow	Float	24567	The amount of network traffic. Unit: bytes.
Dimension	String	flow	The dimension.
RequestId	String	ED61C6C3-8241-4187-AAA7-5157AE175CEC	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeCdnUserBillHistory
&StartTime=2018-09-30T16:00:00Z
&EndTime=2018-10-31T16:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnUserBillHistoryResponse>
  <BillHistoryData>
        <BillHistoryDataItem>
              <BillType>month_4th_day_bandwidth</BillType>
              <BillingData>
                    <BillingDataItem>
                          <Bandwidth>4041</Bandwidth>
                          <CdnRegion>AP1</CdnRegion>
                          <FLOW>24567</FLOW>
                    </BillingDataItem>
                    <BillingDataItem>
                          <Bandwidth>3819</Bandwidth>
                          <CdnRegion>NA</CdnRegion>
                    </BillingDataItem>
                    <BillingDataItem>
                          <Bandwidth>272113</Bandwidth>
                          <CdnRegion>CN</CdnRegion>
                    </BillingDataItem>
              </BillingData>
              <Dimension>flow</Dimension>
```

```
            <Dimension>flow</Dimension>
            <BillTime>2018-09-30T16:00:00Z</BillTime>
        </BillHistoryDataItem>
        <BillHistoryDataItem>
            <BillType>month_avg_day_bandwidth</BillType>
            <BillingData>
                <BillingDataItem>
                    <Bandwidth>4389</Bandwidth>
                    <CdnRegion>AP1</CdnRegion>
                </BillingDataItem>
                <BillingDataItem>
                    <Bandwidth>4302</Bandwidth>
                    <CdnRegion>NA</CdnRegion>
                </BillingDataItem>
                <BillingDataItem>
                    <Bandwidth>291641</Bandwidth>
                    <CdnRegion>CN</CdnRegion>
                </BillingDataItem>
            </BillingData>
            <Dimension>flow</Dimension>
            <BillTime>2018-09-30T16:00:00Z</BillTime>
        </BillHistoryDataItem>
        <BillHistoryDataItem>
            <BillType>hour_vas</BillType>
            <BillingData>
                <BillingDataItem>
                    <Count>205624</Count>
                    <ChargeType>DynamicHttp</ChargeType>
                </BillingDataItem>
            </BillingData>
            <Dimension>vas</Dimension>
            <BillTime>2018-09-30T16:00:00Z</BillTime>
        </BillHistoryDataItem>
        <BillHistoryDataItem>
            <BillType>hour_vas</BillType>
            <BillingData>
                <BillingDataItem>
                    <Count>203601</Count>
                    <ChargeType>DynamicHttp</ChargeType>
                </BillingDataItem>
            </BillingData>
            <Dimension>vas</Dimension>
            <BillTime>2018-09-30T17:00:00Z</BillTime>
        </BillHistoryDataItem>
    </BillHistoryData>
    <RequestId>ED61C6C3-8241-4187-AAA7-5157AE175CEC</RequestId>
</DescribeCdnUserBillHistoryResponse>
```

`JSON` format

```
{
  "BillHistoryData": {
    "BillHistoryDataItem": [
      {
```

```
        "BillType": "month_4th_day_bandwidth",
        "BillingData": {
          "BillingDataItem": [
            {
              "Bandwidth": 4041,
              "CdnRegion": "AP1",
              "FLOW": "24567"
            },
            {
              "Bandwidth": 3819,
              "CdnRegion": "NA"
            },
            {
              "Bandwidth": 272113,
              "CdnRegion": "CN"
            }
          ]
        },
        "Dimension": "flow",
        "BillTime": "2018-09-30T16:00:00Z"
      },
      {
        "BillType": "month_avg_day_bandwidth",
        "BillingData": {
          "BillingDataItem": [
            {
              "Bandwidth": 4389,
              "CdnRegion": "AP1"
            },
            {
              "Bandwidth": 4302,
              "CdnRegion": "NA"
            },
            {
              "Bandwidth": 291641,
              "CdnRegion": "CN"
            }
          ]
        },
        "Dimension": "flow",
        "BillTime": "2018-09-30T16:00:00Z"
      },
      {
        "BillType": "hour_vas",
        "BillingData": {
          "BillingDataItem": [
            {
              "Count": 205624,
              "ChargeType": "DynamicHttp"
            }
          ]
        },
        "Dimension": "vas",
        "BillTime": "2018-09-30T16:00:00Z"
```

```
      },
      {
        "BillType": "hour_vas",
        "BillingData": {
          "BillingDataItem": [
            {
              "Count": 203601,
              "ChargeType": "DynamicHttp"
            }
          ]
        },
        "Dimension": "vas",
        "BillTime": "2018-09-30T17:00:00Z"
      }
    ]
  },
  "RequestId": "ED61C6C3-8241-4187-AAA7-5157AE175CEC"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.4.2. DescribeUserUsageDataExportTask

Queries export tasks that were created in the last three months. The tasks were used to export resource usage information.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeUserUsageDataExportTask	The operation that you want to perform. Set the value to **DescribeUserUsageDataExportTask**.

Parameter	Type	Required	Example	Description
PageSize	String	No	20	The number of entries to return on each page. Default value: **20**. Maximum value: **50**. Valid values: **1** to **50**.
PageNumber	String	No	1	The number of the page to return. Valid values: **1** to **100000**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	A91BE91F-0B34-4CBF-8E0F-A2977E15AA52	The ID of the request.
UsageDataPerPage	Struct		The usage details returned per page.
Data	Array of DataItem		The description of the task.
DataItem			
CreateTime	String	2019-12-31T08:43:21Z	The time when the task was created.
DownloadUrl	String	https://cdn-polaris.xxxx	The download URL.
Status	String	success	The status of the task. • created: The task is being created. • success: The task has been created. • failed: The creation of the task failed.
TaskConfig	Struct		The configurations of the task.
EndTime	String	2019-12-30T15:59:59Z	The end of the time range that was queried.
StartTime	String	2019-12-29T16:00:00Z	The start of the time range that was queried.
TaskId	String	A91BE91F-0B34-4CBF-8E0F-A2977	The ID of the task.

Parameter	Type	Example	Description
TaskName	String	Refresh	The name of the task.
UpdateTime	String	2019-12-31T08:45:02Z	The last time when the task was modified.
PageNumber	Integer	1	The number of the current page.
PageSize	Integer	10	The number of entries returned per page.
TotalCount	Integer	10	The total number of entries returned.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeUserUsageDataExportTask
&PageSize=10
&PageNumber=1
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeUserUsageDataExportTaskResponse>
  <UsageDataPerPage>
        <Data>
              <DataItem>
                    <Status>success</Status>
                    <TaskConfig>
                          <EndTime>2019-12-30T15:59:59Z</EndTime>
                          <StartTime>2019-12-29T16:00:00Z</StartTime>
                    </TaskConfig>
                    <CreateTime>2019-12-31T08:43:21Z</CreateTime>
                    <DownloadUrl>https://cdn-polaris.xxxx</DownloadUrl>
                    <UpdateTime>2019-12-31T08:45:02Z</UpdateTime>
                    <TaskId>11584</TaskId>
                    <TaskName></TaskName>
              </DataItem>
        </Data>
        <PageNumber>1</PageNumber>
        <TotalCount>1</TotalCount>
        <PageSize>10</PageSize>
  </UsageDataPerPage>
  <RequestId>FB7EC32A-356A-4B33-BA59-6DB1FFF61FD2</RequestId>
</DescribeUserUsageDataExportTaskResponse>
```

`JSON` format


```
{
    "UsageDataPerPage": {
        "Data": {
            "DataItem": [
                {
                    "Status": "success",
                    "TaskConfig": {
                        "EndTime": "2019-12-30T15:59:59Z",
                        "StartTime": "2019-12-29T16:00:00Z"
                    },
                    "CreateTime": "2019-12-31T08:43:21Z",
                    "DownloadUrl": "https://cdn-polaris.xxxx",
                    "UpdateTime": "2019-12-31T08:45:02Z",
                    "TaskId": 11584,
                    "TaskName": ""
                }
            ]
        },
        "PageNumber": 1,
        "TotalCount": 1,
        "PageSize": 10
    },
    "RequestId": "FB7EC32A-356A-4B33-BA59-6DB1FFF61FD2"
}
```


Error codes

For a list of error codes, visit the API Error Center.

9.4.3. CreateUserUsageDataExportTask

Creates a task to export your resource usage history. The information is exported to a PDF file.

> **Note**
>
> - You can create a task that queries data of up to the last one year. The maximum time range that can be queried is one month.
> - The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateUserUsageDataExportTask	The operation that you want to perform. Set the value to **CreateUserUsageDataExportTask**.
EndTime	String	Yes	2015-12-10T21:00:00Z	The end of the time range to query. The end time must be later than the start time. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
StartTime	String	Yes	2015-12-10T20:00:00Z	The start of the time range to query. The time interval at which the specified data is collected is five minutes. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
TaskName	String	No	Refresh	The name of the task.
Language	String	No	zh-cn	The language of the exported file. • **zh-cn**: Chinese. This is the default value. • **en-us**: English.

Response parameters

Parameter	Type	Example	Description
EndTime	String	2015-12-10T21:00:00Z	The end of the time range where the QPS data was queried.
RequestId	String	ED61C6C3-8241-4187-AAA7-5157AE175CEC	The ID of the request.
StartTime	String	2015-12-10T20:00:00Z	The beginning of the time range that was queried.
TaskId	String	129456	The ID of the task.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=CreateUserUsageDataExportTask
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T21:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<CreateUserUsageDataExportTaskResponse>
      <RequestId>ED61C6C3-8241-4187-AAA7-5157AE175CEC</RequestId>
      <StartTime>2015-12-10T20:00:00Z</StartTime>
      <EndTime>2015-12-10T21:00:00Z</EndTime>
      <TaskId>129456</TaskId>
</CreateUserUsageDataExportTaskResponse>
```

`JSON` format

```
{
  "RequestId": "ED61C6C3-8241-4187-AAA7-5157AE175CEC",
  "StartTime": "2015-12-10T20:00:00Z",
  "EndTime": "2015-12-10T21:00:00Z",
  "TaskId": "129456"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.4.4. CreateUsageDetailDataExportTask

Creates a task to export resource usage details to an Excel file.

> **Note**
>
> - You can create a task that queries data of up to the last year. The maximum time range that can be queried is one month.
> - The maximum number of times that each Alibaba Cloud account can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateUsageDetailDataExportTask	The operation that you want to perform. Set the value to **CreateUsageDetailDataExportTask**.
EndTime	String	Yes	2019-12-10T21:00:00Z	The end of the time range to query. The end time must be later than the start time. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
StartTime	String	Yes	2019-12-10T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
Type	String	Yes	flow	The type of content based on which the data is generated. Valid values: • **flow**: network traffic and bandwidth. • **vas**: requests.
Group	String	No	xxx	The group of accelerated domain names based on which the resource usage details are generated. If you set this parameter, ignore the DomainNames parameter.
DomainNames	String	No	example.com	The accelerated domain names based on which the resource usage details are generated. If you do not specify a domain name group, resource usage details are exported based on this parameter. If you do not set this parameter, resource usage details are exported based on user accounts.
TaskName	String	No	Refresh	The name of the task.

Parameter	Type	Required	Example	Description
Language	String	No	en-us	The language of the exported file. Valid values: • **zh-cn**: Chinese. This is the default value. • **en-us**: English.

Response parameters

Parameter	Type	Example	Description
EndTime	String	2015-12-10T21:00:00Z	The end of the time range that was queried.
RequestId	String	ED61C6C3-8241-4187-AAA7-5157AE175CEC	The ID of the request.
StartTime	String	2015-12-10T20:00:00Z	The beginning of the time range that was queried.
TaskId	String	123456	The ID of the task.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=CreateUsageDetailDataExportTask
&Type=flow
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T21:00:00Z
&<Common request parameters>
```

Sample success response

`XML` format

```
<CreateUsageDetailDataExportTaskResponse>
      <RequestId>ED61C6C3-8241-4187-AAA7-5157AE175CEC</RequestId>
      <StartTime>2015-12-10T20:00:00Z</StartTime>
      <EndTime>2015-12-10T21:00:00Z</EndTime>
      <TaskId>123456</TaskId>
</CreateUsageDetailDataExportTaskResponse>
```

`JSON` format

```
{
  "RequestId": "ED61C6C3-8241-4187-AAA7-5157AE175CEC",
  "StartTime": "2015-12-10T20:00:00Z",
  "EndTime": "2015-12-10T21:00:00Z",
  "TaskId": "123456"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.4.5. DescribeUserUsageDetailDataExportTask

Queries tasks that were used to export resource usage details of one or more accelerated domain names under your account. The resource usage information was collected every five minutes within a specific time range.

> **Note**
> - This operation has been available since July 20, 2018. You can query information about resource usage collected within the last three months.
> - The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeUserUsageDetailDataExportTask	The operation that you want to perform. Set the value to **DescribeUserUsageDetailDataExportTask**.
PageSize	String	No	10	The number of entries to return on each page. Default value: **20**. Maximum value: **50**. Valid values: **1** to **50**.
PageNumber	String	No	1	The number of the page to return. Valid values: **1** to **100000**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	A91BE91F-0B34-4CBF-8E0F-A2977E15AA52	The ID of the request.
UsageDataPerPage	Struct		The usage details returned per page.
Data	Array of DataItem		The description of the task.
DataItem			
CreateTime	String	2018-10-09T06:33:38Z	The time when the task was created.
DownloadUrl	String	https://test.oss-cn-beijing.aliyuncs.com/billing_data/xxx	The download URL.
Status	String	success	The status of the task.
TaskConfig	Struct		The configurations of the task.
EndTime	String	2018-08-31T15:59:59Z	The end of the time range that was queried.
StartTime	String	2018-07-31T16:00:00Z	The start of the time range that was queried.
TaskId	String	11	The ID of the task.
TaskName	String	Refresh	The name of the task.
UpdateTime	String	2018-10-09T06:35:46Z	The last time when the task was modified.
PageNumber	Integer	1	The number of the page returned.
PageSize	Integer	10	The number of the entries returned per page.
TotalCount	Integer	1	The total number of entries returned.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeUserUsageDetailDataExportTask
&PageSize=10
&PageNumber=1
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeUserUsageDetailDataExportTaskResponse>
  <RequestId>A91BE91F-0B34-4CBF-8E0F-A2977E15AA52</RequestId>
  <UsageDataPerPage>
        <PageSize>10</PageSize>
        <TotalCount>1</TotalCount>
        <PageNumber>1</PageNumber>
        <Data>
              <DataItem>
                    <TaskId>11</TaskId>
                    <UpdateTime>2018-10-09T06:35:46Z</UpdateTime>
                    <DownloadUrl>https://test.oss-cn-beijing.aliyuncs.com/billing_data/xxx<
/DownloadUrl>
                    <CreateTime>2018-10-09T06:33:38Z</CreateTime>
                    <Status>success</Status>
                    <TaskConfig>
                          <StartTime>2018-07-31T16:00:00Z</StartTime>
                          <EndTime>2018-08-31T15:59:59Z</EndTime>
                    </TaskConfig>
              </DataItem>
        </Data>
  </UsageDataPerPage>
</DescribeUserUsageDetailDataExportTaskResponse>
```

`JSON` format

```
{
  "RequestId": "A91BE91F-0B34-4CBF-8E0F-A2977E15AA52",
  "UsageDataPerPage": {
    "PageSize": 10,
    "TotalCount": 1,
    "PageNumber": 1,
    "Data": {
      "DataItem": [
        {
          "TaskId": 11,
          "UpdateTime": "2018-10-09T06:35:01Z",
          "DownloadUrl": "https://test.oss-cn-beijing.aliyuncs.com/billing_data/xxx",
          "UpdateTime": "2018-10-09T06:35:46Z",
          "CreateTime": "2018-10-09T06:33:38Z",
          "Status": "success",
          "TaskConfig": {
            "StartTime": "2018-07-31T16:00:00Z",
            "EndTime": "2018-08-31T15:59:59Z"
          }
        }
      ]
    }
  }
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.4.6. DescribeDomainUsageData

Queries the resource usage information about specified domain names in a specified region.

> **Note**
> - Usage data includes network traffic (measured in bytes), bandwidth values (measured in bits/s), and the number of requests.
> - The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainUsageData	The operation that you want to perform. Set the value to **DescribeDomainUsageData**.
EndTime	String	Yes	2015-12-10T22:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format in UTC. **Note** The end time must be later than the start time. The maximum time range that can be queried is 31 days.
Field	String	Yes	bps	The type of the data to be queried. Valid values: • **bps**: bandwidth • **traf**: traffic • **acc**: requests **Note** **acc** does not support the **Area** parameter.
StartTime	String	Yes	2015-12-10T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format in UTC. **Note** The data is collected at intervals of 5 minutes.
Type	String	No	static	The type of content based on which the data is generated. Valid values: • **static**: static routing • **dynamic**: dynamic routing • **all** (default): all

Parameter	Type	Required	Example	Description
DataProtocol	String	No	all	The protocol of the data to be queried. Valid values: • **http**: HTTP • **https**: HTTPS • **quic**: Quick UDP Internet Connections (QUIC) • **all** (default): all the preceding protocols
DomainName	String	No	example.com	The accelerated domain names that you want to query. You can query at most 100 domain names at a time. Separate domain names with commas (,). **Note** If you do not set this parameter, the usage data of all accelerated domain names is returned.
Area	String	No	CN	The ID of the area. Valid values: • **CN** (default): mainland China • **OverSeas**: regions outside mainland China • **AP1**: Asia Pacific 1 • **AP2**: Asia Pacific 2 • **AP3**: Asia Pacific 3 • **NA**: North America • **SA**: South America • **EU**: Europe • **MEAA**: Middle East and Africa • **all**: all the preceding areas

Parameter	Type	Required	Example	Description
Interval	String	No	300	The time interval between the data entries to return. Unit: seconds. Valid values: **300** (5 minutes), **3600** (1 hour), and **86400** (one day). • If you set the **Interval** parameter to **300**, you can query data that was collected within the last six months. In this case, the maximum time range that can be queried in each call is three days. • If you set the **Interval** parameter to **3600** or **86400**, you can query data that was collected within the last year. • If you do not set the **Interval** parameter, the maximum time range that can be queried in each call is one month. If you specify a time range of one to three days for a query, the time interval between the entries that are returned is one hour. If you specify a time range of at least four days for a query, the time interval between the entries that are returned is one day.

Parameter combinations

The following table describes the correlations between the billable items and parameters. For more information about the calling method, see the sample request.

Billable item	Valid value of DataProtocol	Valid value of Type	Valid value of Field	Valid value of Area
Network traffic	all. The value of this parameter can be empty.	all. The value of this parameter can be empty.	traf	CN, OverSeas, AP1, AP2, AP3, NA, SA, EU, and MEAA.
Bandwidth	all. The value of this parameter can be empty.	all. The value of this parameter can be empty.	bps	CN, OverSeas, AP1, AP2, AP3, NA, SA, EU, and MEAA.
HTTPS requests for static content	https	static	acc	all

Billable item	Valid value of DataProtocol	Valid value of Type	Valid value of Field	Valid value of Area
HTTP requests for dynamic content	http	dynamic	acc	all
HTTPS requests for dynamic content	https	dynamic	acc	all
QUIC requests for dynamic content	quic	dynamic	acc	all
QUIC requests for static content	quic	static	acc	all

Response parameters

Parameter	Type	Example	Description
Area	String	CN	The region where the usage information was collected.
DataInterval	String	300	The time interval between the data entries. Unit: seconds.
DomainName	String	example.com	The accelerated domain names.
EndTime	String	2015-12-10T22:00:00Z	The end of the time range where the data was queried.
RequestId	String	B955107D-E658-4E77-B913-E0AC3D31693E	The ID of the request.
StartTime	String	2015-12-10T20:00:00Z	The beginning of the time range where the data was queried.
Type	String	static	The type of content based on which the usage information was collected.

Parameter	Type	Example	Description
UsageDataPerInterval	Array of DataModule		The information about the network traffic collected at each interval.
DataModule			
PeakTime	String	2015-12-10T21:30:00Z	If the **Field** parameter in the request is set to **bps**, this parameter returns the time of the highest bandwidth value. Otherwise, this parameter returns the same value as the **TimeStamp** parameter.
SpecialValue	String	423304182	The data usage in a specific scenario. **Note** Indicates the data usage in a specific scenario. If no special billable item is specified, ignore this parameter.
TimeStamp	String	2015-12-10T21:30:00Z	The timestamp of the data. **Note** Timestamps are specified by the **TimeStamp** parameters in response data.
Value	String	423304182	The amount of data that was used.

Examples

Sample requests

```
//Obtain traffic in mainland China
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainUsageData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T22:00:00Z
&Field=traf
&Area=CN
&<Common request parameters>
//Query bandwidth usage in Europe
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainUsageData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T22:00:00Z
```

```
&Field=bps
&Area=EU
&<Common request parameters>
//Query the number of HTTPS requests for static content
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainUsageData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T22:00:00Z
&Type=static
&DataProtocol=https
&Field=acc
&Area=all
&<Common request parameters>
//Query the number of HTTP requests for dynamic content
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainUsageData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T22:00:00Z
&Type=dynamic
&DataProtocol=http
&Field=acc
&Area=all
&<Common request parameters>
//Query the number of HTTPS requests for dynamic content
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainUsageData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T22:00:00Z
&Type=dynamic
&DataProtocol=https
&Field=acc
&Area=all
&<Common request parameters>
//Query the number of QUIC requests for dynamic content
http(s)://cdn.aliyuncs.com?Action=DescribeDomainUsageData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T22:00:00Z
&Type=dynamic
&DataProtocol=quic
&Field=acc
&Area=all
&<Common request parameters>
//Query the number of QUIC requests for static content
http(s)://cdn.aliyuncs.com?Action=DescribeDomainUsageData
&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T22:00:00Z
&Type=static
&DataProtocol=quic
&Field=acc
&Area=all
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainUsageDataResponse>
  <DomainName>example.com</DomainName>
  <UsageDataPerInterval>
        <DataModule>
              <TimeStamp>2015-12-10T20:00:00Z</TimeStamp>
              <PeakTime>2015-12-10T20:05:00Z</PeakTime>
              <Value>423304182</Value>
              <SpecialValue>423304182</SpecialValue>
        </DataModule>
        <DataModule>
              <TimeStamp>2015-12-10T21:00:00Z</TimeStamp>
              <PeakTime>2015-12-10T21:30:00Z</PeakTime>
              <Value>454680793</Value>
              <SpecialValue>423304182</SpecialValue>
        </DataModule>
  </UsageDataPerInterval>
  <RequestId>B955107D-E658-4E77-B913-E0AC3D31693E</RequestId>
  <StartTime>2015-12-10T20:00Z</StartTime>
  <EndTime>2015-12-10T21:00Z</EndTime>
  <Area>CN</Area>
  <Type>traf</Type>
</DescribeDomainUsageDataResponse>
```

`JSON` format

```
{
    "DomainName": "example.com",
    "UsageDataPerInterval": {
        "DataModule": [
            {
                "TimeStamp": "2015-12-10T20:00:00Z",
                "PeakTime": "2015-12-10T20:05:00Z",
                "Value": "423304182",
                "SpecialValue": "423304182"
            },
            {
                "TimeStamp": "2015-12-10T21:00:00Z",
                "PeakTime": "2015-12-10T21:30:00Z",
                "Value": "454680793",
                "SpecialValue": "423304182"
            }
        ]
    },
    "RequestId": "B955107D-E658-4E77-B913-E0AC3D31693E",
    "StartTime": "2015-12-10T20:00Z",
    "EndTime": "2015-12-10T21:00Z",
    "Area": "CN",
    "Type": "traf"
}
```

Error codes

For a list of error codes, visit the API Error Center.

9.4.7. DescribeCdnUserResourcePackage

Queries the resource plans that you have purchased for Alibaba Cloud CDN.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnUserResourcePackage	The operation that you want to perform. Set the value to **DescribeCdnUserResourcePackage**.
Status	String	No	valid	Resource plan status: • **valid**: valid • **closed**: invalid

Response parameters

Parameter	Type	Example	Description
RequestId	String	84839536-2B7E-457D-9D8C-82E6C7D4E1A3	The ID of the request.
ResourcePackageInfos	Array of ResourcePackageInfo		The details about each resource plan. The details are organized in an array. The array consists of the subparameter values of the ResourcePackageInfo parameter.
ResourcePackageInfo			
CommodityCode	String	cdnflowbag	The ID of the resource plan.

Parameter	Type	Example	Description
CurrCapacity	String	10995089554629	The remaining quota of the resource plan. • The total amount of data transfer provided by the resource plan. Unit: bytes. • The remaining number of requests provided by the resource plan.
DisplayName	String	CDN resource plan (mainland China)	The name of the resource plan.
EndTime	String	2018-07-01T08:00:00Z	The time when the resource plan expires.
InitCapacity	String	536870912000	The total quota of the resource plan. • The total amount of data transfer provided by the resource plan. Unit: bytes. • The total number of requests provided by the resource plan.
InstanceId	String	FP-ilttxc23a	The ID of the instance.
StartTime	String	2017-12-05T19:10:58Z	The time when the resource plan took effect.
Status	String	valid	The status of the data transfer plan. Valid values: • **valid**: valid • **closed**: invalid
TemplateName	String	CDN resource plan	The name of the template.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnUserResourcePackage
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnUserResourcePackageResponse>
      <ResourcePackageInfos>
            <ResourcePackageInfo>
                  <Status>closed</Status>
                  <InstanceId>FP-mkqgwsyui</InstanceId>
                  <CommodityCode>cdnflowbag</CommodityCode>
                  <InitCapacity>10995116277760</InitCapacity>
                  <EndTime>2017-01-30T08:00:00Z</EndTime>
                  <StartTime>2016-01-30T03:40:06Z</StartTime>
                  <DisplayName>CDN resource plan (mainland China)</DisplayName>
                  <CurrCapacity>10995089554629</CurrCapacity>
            </ResourcePackageInfo>
            <ResourcePackageInfo>
                  <Status>valid</Status>
                  <InstanceId>FP-ilttxc23a</InstanceId>
                  <CommodityCode>cdnflowbag</CommodityCode>
                  <InitCapacity>536870912000</InitCapacity>
                  <EndTime>2018-07-01T08:00:00Z</EndTime>
                  <StartTime>2017-07-01T01:26:41Z</StartTime>
                  <DisplayName>CDN resource plan (mainland China)</DisplayName>
                  <CurrCapacity>0</CurrCapacity>
            </ResourcePackageInfo>
            <ResourcePackageInfo>
                  <Status>valid</Status>
                  <InstanceId>CDNHTTPSBAG-cn-v0h0dnlq4000m9</InstanceId>
                  <CommodityCode>cdnhttpsbag</CommodityCode>
                  <InitCapacity>10000000</InitCapacity>
                  <EndTime>2018-12-06T08:00:00Z</EndTime>
                  <StartTime>2017-12-05T19:10:58Z</StartTime>
                  <DisplayName>CDN resource plan for HTTPS requests</DisplayName>
                  <CurrCapacity>9999645</CurrCapacity>
            </ResourcePackageInfo>
      </ResourcePackageInfos>
      <RequestId>84839536-2B7E-457D-9D8C-82E6C7D4E1A3</RequestId>
</DescribeCdnUserResourcePackageResponse>
```

`JSON` format

```
{
    "ResourcePackageInfos": {
        "ResourcePackageInfo": [
            {
                "Status": "closed",
                "InstanceId": "FP-mkqgwsyui",
                "CommodityCode": "cdnflowbag",
                "InitCapacity": "10995116277760",
                "EndTime": "2017-01-30T08:00:00Z",
                "StartTime": "2016-01-30T03:40:06Z",
                "DisplayName": "CDN resource plan (mainland China)",
                "CurrCapacity": "10995089554629"
            },
            {
                "Status": "valid",
                "InstanceId": "FP-ilttxc23a",
                "CommodityCode": "cdnflowbag",
                "InitCapacity": "536870912000",
                "EndTime": "2018-07-01T08:00:00Z",
                "StartTime": "2017-07-01T01:26:41Z",
                "DisplayName": "CDN resource plan (mainland China)",
                "CurrCapacity": "0"
            },
            {
                "Status": "valid",
                "InstanceId": "CDNHTTPSBAG-cn-v0h0dnlq4000m9",
                "CommodityCode": "cdnhttpsbag",
                "InitCapacity": "10000000",
                "EndTime": "2018-12-06T08:00:00Z",
                "StartTime": "2017-12-05T19:10:58Z",
                "DisplayName": "CDN resource plan for HTTPS requests",
                "CurrCapacity": "9999645"
            }
        ]
    },
    "RequestId": "84839536-2B7E-457D-9D8C-82E6C7D4E1A3"
}
```


Error codes

For a list of error codes, visit the API Error Center.

9.4.8. DeleteUserUsageDataExportTask

Deletes a task that was used to export usage history.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DeleteUserUsageDataExportTask	The operation that you want to perform. Set the value to **DeleteUserUsageDataExportTask**.
TaskId	String	Yes	10	The ID of the export task that you want to delete.

Response parameters

Parameter	Type	Example	Description
RequestId	String	0AEDAF20-4DDF-4165-8750-47FF9C1929C9	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DeleteUserUsageDataExportTask
&TaskId=10
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DeleteUserUsageDataExportTaskResponse>
      <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C9</RequestId>
</DeleteUserUsageDataExportTaskResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

9.4.9. DeleteUsageDetailDataExportTask

Deletes a task that was used to export usage details.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DeleteUsageDetailDataExportTask	The operation that you want to perform. Set the value to **DeleteUsageDetailDataExportTask**.
TaskId	String	Yes	10	The ID of the task. You can call the DescribeUserUsageDataExportTask operation to query the most recent task list.

Response parameters

Parameter	Type	Example	Description
RequestId	String	0AEDAF20-4DDF-4165-8750-47FF9C1929C9	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DeleteUsageDetailDataExportTask
&TaskId=10
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DeleteUsageDetailDataExportTaskResponse>
   <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C9</RequestId>
</DeleteUsageDetailDataExportTaskResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

9.5. EdgeScript monitoring

9.5.1. DescribeEsExecuteData

Queries the execution status of scripts in EdgeScript (ES).

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeEsExecuteData	The operation that you want to perform. Set the value to **DescribeEsExecuteData**.
EndTime	String	Yes	2021-02-18T20:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
RuleId	String	Yes	212896**	The ID of the script that you want to query. You can call the DescribeCdnDomainConfigs operation to query script IDs.

Parameter	Type	Required	Example	Description
StartTime	String	Yes	2021-02-17T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Response parameters

Parameter	Type	Example	Description
Contents	Array of Content		The content of the script.
Columns	List	time,Exception	The column names of the chart that shows the status of the script and the time of each data entry.
Name	String	Exception	The name of the chart that shows the status of the script.
Points	List	2021-02-18T19:05:00Z,8	The value of each column and the time of each data entry.
RequestId	String	99D61AB3-6164-4CF2-A0DE-129C9B07618B	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeEsExecuteData
&EndTime=2021-02-18T20:00:00Z
&RuleId=212896**
&StartTime=2021-02-17T20:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeEsExecuteDataResponse>
<Contents>
    <Columns>time</Columns>
    <Columns>Exception</Columns>
    <Name>Exception</Name>
    <Points>
        <0>2021-02-18T19:07:00Z</0>
        <1>6</1>
    </Points>
    <Points>
        <0>2021-02-18T19:06:00Z</0>
        <1>6</1>
    </Points>
    <Points>
        <0>2021-02-18T19:05:00Z</0>
        <1>8</1>
    </Points>
</Contents>
<Contents>
    <Columns>time</Columns>
    <Columns>ExecutedAndHit</Columns>
    <Name>ExecutedAndHit</Name>
    <Points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </Points>
    <Points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </Points>
    <Points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </Points>
</Contents>
<RequestId>99D61AB3-6164-4CF2-A0DE-129C9B07618B</RequestId>
</DescribeEsExecuteDataResponse>
```

`JSON` format

```
{
    "Contents": [
        {
            "Columns": [
                "time",
                "Exception"
            ],
            "Name": "Exception",
            "Points": [
                [
                    "2021-02-18T19:07:00Z",
                    6
                ],
                [
                    "2021-02-18T19:06:00Z",
                    6
                ],
                [
                    "2021-02-18T19:05:00Z",
                    8
                ]
            ]
        },
        {
            "Columns": [
                "time",
                "ExecutedAndHit"
            ],
            "Name": "ExecutedAndHit",
            "Points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        }
    ],
"RequestId": "99D61AB3-6164-4CF2-A0DE-129C9B07618B"
}
```


Error codes

For a list of error codes, visit the API Error Center.

9.5.2. DescribeEsExceptionData

Queries the executions errors of scripts in EdgeScript (ES).

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeEsExceptionData	The operation that you want to perform. Set the value to **DescribeEsExceptionData**.
EndTime	String	Yes	2021-02-18T20:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
RuleId	String	Yes	212896**	The ID of the script that you want to query. You can call the DescribeCdnDomainConfigs operation to query script IDs.
StartTime	String	Yes	2021-02-17T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Response parameters

Parameter	Type	Example	Description
Contents	Array of Content		The content of the script.

Parameter	Type	Example	Description
Columns	List	time,401	The column names of the chart that shows the errors of the script and the time of each data entry.
Name	String	401	The name of the chart that shows the errors of the script.
Points	List	2021-02-18T19:05:00Z,0	The value of each column and the time of each data entry.
RequestId	String	99D61AB3-6164-4CF2-A0DE-129C9B07618B	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeEsExceptionData
&EndTime=2021-02-18T20:00:00Z
&RuleId=212896**
&StartTime=2021-02-17T20:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeEsExceptionDataResponse>
<content>
    <columns>time</columns>
    <columns>401</columns>
    <name>401</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>402</columns>
```

```
    <name>402</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>403</columns>
    <name>403</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>404</columns>
    <name>404</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>405</columns>
    <name>405</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
```

```
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>406</columns>
    <name>406</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>407</columns>
    <name>407</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>6</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>6</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>8</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>408</columns>
    <name>408</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
```

```
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>409</columns>
    <name>409</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>410</columns>
    <name>410</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<content>
    <columns>time</columns>
    <columns>499</columns>
    <name>499</name>
    <points>
        <0>2021-02-18T19:07:00Z</0>
        <1>0</1>
    </points>
    <points>
        <0>2021-02-18T19:06:00Z</0>
        <1>0</1>
    </points>
    <points>
```

```
        <0>2021-02-18T19:05:00Z</0>
        <1>0</1>
    </points>
</content>
<RequestId>99D61AB3-6164-4CF2-A0DE-129C9B07618B</RequestId>
</DescribeEsExceptionDataResponse>
```

`JSON` format

```
{
    "content": [
        {
            "columns": [
                "time",
                "401"
            ],
            "name": "401",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        },
        {
            "columns": [
                "time",
                "402"
            ],
            "name": "402",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        },
```

```
        {
            "columns": [
                "time",
                "403"
            ],
            "name": "403",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        },
        {
            "columns": [
                "time",
                "404"
            ],
            "name": "404",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        },
        {
            "columns": [
                "time",
                "405"
            ],
            "name": "405",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
```

```
                "2021-02-18T19:06:00Z",
                0
            ],
            [
                "2021-02-18T19:05:00Z",
                0
            ]
        ]
    },
    {
        "columns": [
            "time",
            "406"
        ],
        "name": "406",
        "points": [
            [
                "2021-02-18T19:07:00Z",
                0
            ],
            [
                "2021-02-18T19:06:00Z",
                0
            ],
            [
                "2021-02-18T19:05:00Z",
                0
            ]
        ]
    },
    {
        "columns": [
            "time",
            "407"
        ],
        "name": "407",
        "points": [
            [
                "2021-02-18T19:07:00Z",
                6
            ],
            [
                "2021-02-18T19:06:00Z",
                6
            ],
            [
                "2021-02-18T19:05:00Z",
                8
            ]
        ]
    },
    {
        "columns": [
            "time",
            "408"
```

```
            ],
            "name": "408",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        },
        {
            "columns": [
                "time",
                "409"
            ],
            "name": "409",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        },
        {
            "columns": [
                "time",
                "410"
            ],
            "name": "410",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
```

```
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        },
        {
            "columns": [
                "time",
                "499"
            ],
            "name": "499",
            "points": [
                [
                    "2021-02-18T19:07:00Z",
                    0
                ],
                [
                    "2021-02-18T19:06:00Z",
                    0
                ],
                [
                    "2021-02-18T19:05:00Z",
                    0
                ]
            ]
        }
    ],
"RequestId": "99D61AB3-6164-4CF2-A0DE-129C9B07618B"
}
```


Error codes

For a list of error codes, visit the API Error Center.

10.Live domain management

10.1. Add /Remove Domain Names

10.1.1. AddCdnDomain

Adds a domain name to Alibaba Cloud Content Delivery Network (CDN).

> **Note**
> - You must activate Alibaba Cloud CDN before you can add a domain name to it. For more information, see Activate Alibaba Cloud CDN.
> - The domain name that you want to add has a valid Internet Content Provider (ICP) number.
> - You can add only one domain name to Alibaba Cloud CDN in each call. Each Alibaba Cloud account can add a maximum of 50 domain names to Alibaba Cloud CDN.
> - If the content of the origin server is not stored on Alibaba Cloud, the content must be reviewed. The review will be completed by the end of the next business day after you submit the application.
> - The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	AddCdnDomain	The operation that you want to perform. Set the value to **AddCdnDomain**.
CdnType	String	Yes	web	The workload type of the domain name. Valid values: • **web**: images and small files. • **download**: large files. • **video**: on-demand video and audio streaming.

Parameter	Type	Required	Example	Description
DomainName	String	Yes	.example.com	The domain names that you want to add to Alibaba Cloud CDN. Wildcard domain names are supported.A wildcard domain name must start with a period (.), such as .example.com.
Sources	String	Yes	[{"content":"1.1.1.1","type":"ipaddr","priority":"20","port":80,"weight":"15"}]	The information about the origin address.
ResourceGroupId	String	No	rg-acfmyuji4b6r4**	The ID of the resource group. If you do not set this parameter, the system uses the ID of the default resource group.
CheckUrl	String	No	example.com/test.html	The URL that is used for health checks.
Scope	String	No	domestic	The accelerated region. Valid values: • **domestic**: regions in mainland China. • **overseas**: regions outside mainland China. • **global**: regions inside and outside mainland China. Default value: **domestic**.
TopLevelDomain	String	No	example.com	The top-level domain name.

The following table describes the fields of the Sources parameter.

Parameter	Type	Required	Description

Parameter	Type	Required	Description
type	String	Yes	The type of the origin server. Valid values: ipaddr: The origin server uses an IP address. domain: The origin server uses a domain name. oss: The origin server is an Object Storage Service (OSS) bucket. fc_domain: The origin server uses a Function Compute domain name.
content	String	Yes	The address of the origin server. You can specify an IP address or a domain name.
port	Integer	No	The port that redirects requests to the origin server. You can specify port 443, port 80, or a custom port. Default value: 80. If you specify port 443, Alibaba Cloud CDN communicates with the origin server over HTTPS.
priority	String	No	The priority of the origin server if multiple origin servers are specified. Valid values: 20 and 30. Default value: 20. A value of 20 specifies that the origin server is the primary origin server. A value of 30 specifies that the origin server is a secondary origin server.

Parameter	Type	Required	Description
weight	String	No	The weight of the origin server if multiple origin servers are specified. You must specify a value that is smaller than 100. Default value: 10.

Response parameters

Parameter	Type	Example	Description
RequestId	String	15C66C7B-671A-4297-9187-2C4477247A74	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=AddCdnDomain
&CdnType=web
&DomainName=.example.com
&Sources=[{"content":"1.1.1.1","type":"ipaddr","priority":"20","port":80,"weight":"15"}]
&<Common request parameters>
```

Sample success responses

`XML` format

```
<AddCdnDomainReesponse>
      <RequestId>15C66C7B-671A-4297-9187-2C4477247A74</RequestId>
</AddCdnDomainReesponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	InvalidDomainName.Malformed	Specified DomainName is malformed.	The error message returned because the value of the DomainName parameter is invalid.

HttpCode	Error code	Error message	Description
400	MissingParameter	The input parameter cdnType that is mandatory for processing this request is not supplied.	The error message returned because the CdnType parameter must be set.
400	InvalidCdnType.Malformed	Specified CdnType is malformed.	The error message returned because the value of the CdnType parameter is invalid. Valid values: web (delivery of image and small files), download (delivery of large files), video (on-demand audio and video streaming), and liveStream (live streaming).
400	InvalidSources.Malformed	Specified Sources is malformed.	The error message returned because the format of the specified Sources parameter is invalid. You can set Sources to an IP address or a domain name. You can specify up to 20 IP addresses or one domain name. Separate IP addresses with commas (,). You cannot specify both IP addresses and domain names in the same call.
400	MissingParameter	The input parameter sourceType that is mandatory for processing this request is not supplied.	The error message returned because the SourceType parameter must be set.
400	InvalidSourceType.Malformed	Specified CdnType is malformed.	The error message returned because the format of the CdnType parameter is invalid.
400	InvalidScope.Malformed	Specified Scope is malformed.	The error message returned because the format of the Scope parameter is invalid.
400	SourceIp.Exceed	The Certificate you provided is malformed!	The error message returned because the format of the SSL certificate is invalid.
400	InvalidCertificate	The Certificate you provided is malformed!	The error message returned because the format of the SSL certificate is invalid.
400	InvalidCertificate.TooLong	The Certificate you provided is over the max length!	The error message returned because the length of the specified certificate and private key exceeds the upper limit.

HttpCode	Error code	Error message	Description
400	InnerAddDomainDenied	Your account haven't bind aoneId, can not add domain.	The error message returned because you cannot add a domain name by using an Alibaba Cloud account that is not associated with an Aone ID (aoneId).
400	ExtensiveAndAllBothExist	Extensive domain and the domain begins with 'all.' can not exist at the same time.	The error message returned because wildcard domain names and domain names that start with the string "all." cannot exist at the same time.
400	CdnTypeNotSupportExtensiveDomain	Extensive domain not supported for this cdn type.	The error message returned because wildcard domains do not support the specified workload type. Wildcard domains support only the following workload types: web, download, and video.
400	InvalidResourceGroupId.Malformed	Specified ResourceGroupId is malformed.	The error message returned because the format of the ResourceGroupId parameter is invalid.
400	InvalidDomainNameLevel	Domain name suffixed with alicdn.com only support third level.	The error message returned because the specified domain is not supported. Alibaba Cloud CDN supports only top-level, second-level, and third-level domain names that are suffixed with alicdn.com.
400	InvalidTopLevelDomain.Malformed	Specified TopLevelDomain is malformed.	The error message returned because the value of the TopLevelDomain parameter is invalid.
400	TopLevelDomain.NotFound	TopLevelDomain is not exist.	The error message returned because the specified top-level domain name (TopLevelDomain) does not exist.
400	EntityNotExists.ResourceGroup	The resource group does not exist.	The error message returned because the specified resource group does not exist.
400	InvalidStatus.ResourceGroup	It's now allowed to do this operation because of the current status of resource-group.	The error message returned because the operation is not supported by the resource group in the current state.

HttpCode	Error code	Error message	Description
400	NotInternationRealIdentity	You need to do real name authentication when you use Chinese mainland resources.	The error message returned because you have not completed real-name verification that is required to use resources in mainland China. Based on the laws of the People's Republic of China (PRC), you must complete real-name verification before you can purchase information services in mainland China.
400	DomainOwnerVerifyFail	Owner verification of the root domain failed.	The error message returned because you must prove the ownership of the domain name. The first time a domain name is added to Alibaba Cloud CDN, you must prove the ownership by adding a DNS record or uploading a verification file.

For a list of error codes, visit the API Error Center.

10.1.2. BatchAddCdnDomain

Adds multiple domain names to Alibaba Cloud Content Delivery Network (CDN) at a time. You can add a maximum of 20 domain names to Alibaba Cloud CDN with each Alibaba Cloud account.

Note

- You must activate Alibaba Cloud CDN before you can add a domain name to it. For more information, see Activate Alibaba Cloud CDN.
- The domain name that you want to add has a valid Internet Content Provider (ICP) number.
- If the content from the origin server is not stored on Alibaba Cloud, the content must be reviewed by Alibaba Cloud. The review will be completed by the end of the next business day after you submit the application.
- You can specify multiple domain names (no more than 50) and separate them with commas (,).
- The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	BatchAddCdnDomain	The operation that you want to perform. Set this parameter to **BatchAddCdnDomain**.
CdnType	String	Yes	web	The workload type of the domain name. Valid values: • **web**: images and small files. • **download**: large files. • **video**: on-demand video and audio streaming.
DomainName	String	Yes	example.com,aliyundoc.com	The domain names that you want to add to Alibaba Cloud CDN. Separate domain names with commas (,).
Sources	String	Yes	[{"content":"1.1.1.1","type":"ipaddr","priority":"20","port":80,"weight":"15"}]	The information about the origin address.
ResourceGroupId	String	No	rg-acfmyuji4b6r4**	The ID of the resource group. If you do not set this parameter, the system uses the ID of the default resource group.
CheckUrl	String	No	url	The URL that is used for health checks.
Scope	String	No	domestic	The accelerated region. Valid values: • **domestic**: regions in mainland China. • **overseas**: regions outside mainland China. • **global**: regions inside and outside mainland China.
TopLevelDomain	String	No	example.com	The top-level domain name.

The following table describes the fields in the Sources parameter.

Parameter	Type	Required	Description
type	String	Yes	The type of the origin server. Valid values: ipaddr: The origin server uses an IP address domain: The origin server uses a domain name. oss: The origin server uses an Object Storage Service (OSS) bucket. fc_domain: The origin server uses a Function Compute domain name.
content	String	Yes	The address of the origin server. You can specify an IP address or a domain name.
port	Integer	No	You can specify port 443, port 80, or a custom port. Default value: 80. If you specify port 443, Alibaba Cloud CDN communicates with the origin server over HTTPS.
priority	String	No	The priority of the origin server if multiple origin servers are specified. Valid values: 20 and 30. Default value: 20. A value of 20 specifies that the origin is a primary origin. A value of 30 specifies that the origin is a secondary origin.

Parameter	Type	Required	Description
weight	String	No	The weight of the origin server if multiple origin servers are specified. You must specify a value that is smaller than 100. Default value: 10.

Response parameters

Parameter	Type	Example	Description
RequestId	String	15C66C7B-671A-4297-9187-2C4477247A74	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=BatchAddCdnDomain
&CdnType=web
&DomainName=example.com,aliyundoc.com
&Sources=[{"content":"1.1.1.1","type":"ipaddr","priority":"20","port":80,"weight":"15"}]
&<Common request parameters>
```

Sample success responses

`XML` format

```
<BatchAddCdnDomainResponse>
      <RequestId>15C66C7B-671A-4297-9187-2C4477247A74</RequestId>
</BatchAddCdnDomainResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description

HttpCode	Error code	Error message	Description
400	InvalidDomainName.Malformed	Specified DomainName is malformed.	The error message returned because the value of the DomainName parameter is invalid.
400	MissingParameter	The input parameter cdnType that is mandatory for processing this request is not supplied.	The error message returned because the CdnType parameter must be set.
400	InvalidCdnType.Malformed	Specified CdnType is malformed.	The error message returned because the value of the CdnType parameter is invalid. Valid values: web (delivery of image and small files), download (delivery of large files), video (on-demand audio and video streaming), and liveStream (live streaming).
400	InvalidSources.Malformed	Specified Sources is malformed.	The error message returned because the format of the specified Sources parameter is invalid. You can set Sources to an IP address or a domain name. You can specify up to 20 IP addresses or one domain name. Separate IP addresses with commas (,). You cannot specify both IP addresses and domain names in the same call.
400	MissingParameter	The input parameter sourceType that is mandatory for processing this request is not supplied.	The error message returned because the SourceType parameter must be set.
400	InvalidSourceType.Malformed	Specified CdnType is malformed.	The error message returned because the format of the CdnType parameter is invalid.
400	InvalidScope.Malformed	Specified Scope is malformed.	The error message returned because the format of the Scope parameter is invalid.
400	SourceIp.Exceed	The Certificate you provided is malformed!	The error message returned because the format of the SSL certificate is invalid.
400	InvalidCertificate	The Certificate you provided is malformed!	The error message returned because the format of the SSL certificate is invalid.

HttpCode	Error code	Error message	Description
400	InvalidCertificate.TooLong	The Certificate you provided is over the max length!	The error message returned because the length of the specified certificate and private key exceeds the upper limit.
400	InnerAddDomainDenied	Your account haven't bind aoneId, can not add domain.	The error message returned because you cannot add a domain name by using an Alibaba Cloud account that is not associated with an Aone ID (aoneId).
400	ExtensiveAndAllBothExist	Extensive domain and the domain begins with 'all.' can not exist at the same time.	The error message returned because wildcard domain names and domain names that start with the string "all." cannot exist at the same time.
400	CdnTypeNotSupportExtensiveDomain	Extensive domain not supported for this cdn type.	The error message returned because wildcard domains do not support the specified workload type. Wildcard domains support only the following workload types: web, download, and video.
400	InvalidResourceGroupId.Malformed	Specified ResourceGroupId is malformed.	The error message returned because the format of the ResourceGroupId parameter is invalid.
400	InvalidDomainNameLevel	Domain name suffixed with alicdn.com only support third level.	The error message returned because the specified domain is not supported. Alibaba Cloud CDN supports only top-level, second-level, and third-level domain names that are suffixed with alicdn.com.
400	InvalidTopLevelDomain.Malformed	Specified TopLevelDomain is malformed.	The error message returned because the value of the TopLevelDomain parameter is invalid.
400	TopLevelDomain.NotFound	TopLevelDomain is not exist.	The error message returned because the specified top-level domain name (TopLevelDomain) does not exist.
400	EntityNotExists.ResourceGroup	The resource group does not exist.	The error message returned because the specified resource group does not exist.

HttpCode	Error code	Error message	Description
400	InvalidStatus.ResourceGroup	It's now allowed to do this operation because of the current status of resource-group.	The error message returned because the operation is not supported by the resource group in the current state.
400	NotInternationRealIdentity	You need to do real name authentication when you use Chinese mainland resources.	The error message returned because you have not completed real-name verification that is required to use resources in mainland China. Based on the laws of the People's Republic of China (PRC), you must complete real-name verification before you can purchase information services in mainland China.
400	DomainOwnerVerifyFail	Owner verification of the root domain failed.	The error message returned because you must prove the ownership of the domain name. The first time a domain name is added to Alibaba Cloud CDN, you must prove the ownership by adding a DNS record or uploading a verification file.

For a list of error codes, visit the API Error Center.

10.1.3. DeleteCdnDomain

Deletes an accelerated domain name from Alibaba Cloud Content Delivery Network (CDN).

Note

- We recommend that you add an A record for the domain name in the system of your DNS service provider before you delete the domain name from Alibaba Cloud CDN. Otherwise, the domain name may become inaccessible. Proceed with caution.
- After you successfully call the DeleteCdnDomain operation, all records of the deleted domain name are removed. If you need to only disable the domain name, we recommend that you call the StopCdnDomain operation.
- The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DeleteCdnDomain	The operation that you want to perform. Set the value to **DeleteCdnDomain**.
DomainName	String	Yes	example.com	The accelerated domain name that you want to delete. You can specify only one domain name in each call.

Response parameters

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

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DeleteCdnDomain
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DeleteCdnDomainResponse>
      <RequestId>16A96B9A-F203-4EC5-8E43-CB92E68F4CD8</RequestId>
</DeleteCdnDomainResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
403	OperationDenied	You do not have access to this operation.	The error code returned because you do not have the permissions to perform the specified operation. You can check your permissions in the Resource Access Management (RAM) console.

For a list of error codes, visit the API Error Center.

10.1.4. DescribeCdnDeletedDomains

Queries domain names that have been removed from Alibaba Cloud CDN within your Alibaba Cloud account.

> **Note** The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnDeletedDomains	The operation that you want to perform. Set the value to **DescribeCdnDeletedDomains**.
PageNumber	Integer	No	1	The number of the page to return. Pages start from page **1**. Valid values: **1** to **100000**.
PageSize	Integer	No	5	The number of entries to return on each page. Default value: **20**. Valid values: **1** to **500**. The value must be an integer.

Response parameters

Parameter	Type	Example	Description
Domains	Array of PageData		The information about the accelerated domain names.
PageData			
DomainName	String	example.com	The accelerated domain name.

Parameter	Type	Example	Description
GmtModified	String	2015-10-28T11:05:52Z	The last time when the accelerated domain name was modified. The time is in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time is displayed in UTC.
PageNumber	Long	1	The page number of the returned page. It corresponds to the request parameter **PageNumber**.
PageSize	Long	5	The number of entries returned per page. It corresponds to the request parameter **PageSize**.
RequestId	String	AA75AADB-5E25-4970-B480-EAA1F5658483	The ID of the request.
TotalCount	Long	16	The total number of domain names returned.

Examples

Sample requests

```
https://cdn.aliyuncs.com?&Action=DescribeCdnDeletedDomains&PageNumber=1&PageSize=5
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnDeletedDomainsResponse>
  <PageNumber>1</PageNumber>
  <TotalCount>16</TotalCount>
  <PageSize>5</PageSize>
  <RequestId>AA75AADB-5E25-4970-B480-EAA1F5658483</RequestId>
  <Domains>
        <PageData>
              <DomainName>example.com</DomainName>
              <GmtModified>2015-10-28T11:05:52Z</GmtModified>
        </PageData>
        <PageData>
              <DomainName>example.org</DomainName>
              <GmtModified>2015-10-28T11:05:50Z</GmtModified>
        </PageData>
        <PageData>
              <DomainName>example.net</DomainName>
              <GmtModified>2015-10-27T06:26:34Z</GmtModified>
        </PageData>
        <PageData>
              <DomainName>example.edu</DomainName>
              <GmtModified>2015-10-23T09:23:29Z</GmtModified>
        </PageData>
        <PageData>
              <DomainName>aliyundoc.com</DomainName>
              <GmtModified>2015-10-23T09:02:11Z</GmtModified>
        </PageData>
  </Domains>
</DescribeCdnDeletedDomainsResponse>
```

`JSON` format

```
{
    "PageNumber": 1,
    "TotalCount": 16,
    "PageSize": 5,
    "RequestId": "AA75AADB-5E25-4970-B480-EAA1F5658483",
    "Domains": {
        "PageData": [
            {
                "DomainName": "example.com",
                "GmtModified": "2015-10-28T11:05:52Z"
            },
            {
                "DomainName": "example.org",
                "GmtModified": "2015-10-28T11:05:50Z"
            },
            {
                "DomainName": "example.net",
                "GmtModified": "2015-10-27T06:26:34Z"
            },
            {
                "DomainName": "example.edu",
                "GmtModified": "2015-10-23T09:23:29Z"
            },
            {
                "DomainName": "aliyundoc.com",
                "GmtModified": "2015-10-23T09:02:11Z"
            }
        ]
    }
}
```


Error codes

For a list of error codes, visit the API Error Center.

10.2. VerifyDomainOwner

10.2.1. VerifyDomainOwner

Verifies the ownership of a specified domain name.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	VerifyDomainOwner	The operation that you want to perform. Set the value to **VerifyDomainOwner**.
DomainName	String	Yes	example.com	The domain name of which you want to verify the ownership. You can specify only one domain name in each call.
VerifyType	String	Yes	dnsCheck	The verification method, value: • *dnsCheck*: DNS verification • *fileCheck*: File verification

Response parameters

Parameter	Type	Example	Description
Content	String	verify_dffeb6610035dcb77b413a59c32c****	The verification content.
RequestId	String	34AB41F1-04A5-496F-8C8D-634BDBE6A9FB	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=VerifyDomainOwner
&DomainName=example.com
&VerifyType=dnsCheck
&<Common request parameters>
```

Sample success responses

`XML` format

```
<VerifyDomainOwnerResponse>
  <Content>verify_dffeb6610035dcb77b413a59c32c****</Content>
  <RequestId>34AB41F1-04A5-496F-8C8D-634BDBE6A9FB</RequestId>
</VerifyDomainOwnerResponse>
```

`JSON` format

```
{
  "Content": "verify_dffeb6610035dcb77b413a59c32c****",
  "RequestId": "34AB41F1-04A5-496F-8C8D-634BDBE6A9FB"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	DomainOwnerVerifyFail	Owner verification of the root domain failed.	The error message returned because you must prove the ownership of the domain name before you can add it to Alibaba Cloud CDN. The first time a domain name is added to Alibaba Cloud CDN, you must prove the ownership of the domain name. You can prove the ownership by adding a DNS record or upload a verification file.

For a list of error codes, visit the API Error Center.

10.2.2. DescribeVerifyContent

Queries the ownership verification content of an accelerated domain name.

> **Note**
>
> The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeVerifyContent	The operation that you want to perform. Set the value to DescribeVerifyContent.
DomainName	String	Yes	example.com	The domain name of which the ownership was verified. You can specify only one domain name.

Response parameters

Parameter	Type	Example	Description
Content	String	verify_dffeb6610035dcb77b413a59c32cd91f	The verification content.
RequestId	String	34AB41F1-04A5-496F-8C8D-634BDBE6A9FB	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com/?Action=DescribeVerifyContent
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeVerifyContentResponse>
  <Content>verify_dffeb6610035dcb77b413a59c32cd91f</Content>
  <RequestId>34AB41F1-04A5-496F-8C8D-634BDBE6A9FB</RequestId>
</DescribeVerifyContentResponse>
```

`JSON` format

```
{
  "Content": "verify_dffeb6610035dcb77b413a59c32cd91f",
  "RequestId": "34AB41F1-04A5-496F-8C8D-634BDBE6A9FB"
}
```

Error codes

For a list of error codes, visit the API Error Center.

10.3. Disable /Enable an accelerated domain name

10.3.1. StartCdnDomain

Enables a disabled domain name. After the domain name is enabled, the value of the DomainStatus parameter is changed to Online.

> **Note**
> - If the domain name is in an invalid state or your have an overdue payment in your account, the domain name cannot be enabled.
> - The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	StartCdnDomain	The operation that you want to perform. Set the value to **StartCdnDomain**.
DomainName	String	Yes	example.com	The domain name that you want to enable. You can specify only one domain name.

Response parameters

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

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=StartCdnDomain
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<StartCdnDomainResponse>
      <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C9</RequestId>
</StartCdnDomainResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

10.3.2. BatchStartCdnDomain

Enables one or more domain names at a time. After a domain name is enabled, the value of the DomainStatus parameter is changed to Online.

> **Note**
> - If the domain name is in an invalid state or your have an overdue payment in your account, the domain name cannot be enabled.
> - The maximum number of times that each user can call this operation per second is 30.
> - The maximum number of domain names configured at a time is 50.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	BatchStartCdnDomain	The operation that you want to perform. Set the value to **BatchStartCdnDomain**.
DomainNames	String	Yes	example.com	The domain names that you want to enable. Separate multiple domain names with commas (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	0AEDAF20-4DDF-4165-8750-47FF9C1929C9	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=BatchStartCdnDomain
&DomainNames=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<BatchStartCdnDomainResponse>
      <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C9</RequestId>
</BatchStartCdnDomainResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

10.3.3. StopCdnDomain

Disables a domain name that is accelerated by Alibaba Cloud Content Delivery Network (CDN). After the domain name is disabled, the value of the DomainStatus parameter is changed to Offline.

> **Note**
> - After an accelerated domain is disabled, the information about the domain name is retained. Requests destined for the domain name are automatically redirected to the origin server.
> - The maximum number of times that each user can call this operation per second is 40.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	StopCdnDomain	The operation that you want to perform. Set the value to **StopCdnDomain**.

Parameter	Type	Required	Example	Description
DomainName	String	Yes	example.com	The accelerated domain name that you want to disable. You can specify only one domain name.

Response parameters

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

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=StopCdnDomain
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<StopCdnDomainResponse>
      <RequestId>324AEFFF-308C-4DA7-8CD3-01B277B98F28</RequestId>
</StopCdnDomainResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

10.3.4. BatchStopCdnDomain

Disables one or more accelerated domain names at a time. After an accelerated domain name is disabled, the value of the DomainStatus parameter is changed to Offline.

> **Notice**
> - After an accelerated domain name is disabled, Alibaba Cloud Content Delivery Network (CDN) retains the information about the accelerated domain name and automatically redirects requests to the origin server.
> - If you need to temporary disable CDN acceleration for a domain name, we recommend that you call the StopDomain operation.
> - The maximum number of domain names configured at a time is 50.
> - The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	BatchStopCdnDomain	The operation that you want to perform. Set the value to **BatchStopCdnDomain**.
DomainNames	String	Yes	example.com	The accelerated domain names that you want to disable. Separate multiple domain names with commas (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	324AEFFF-308C-4DA7-8CD3-01B277B98F28	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=BatchStopCdnDomain
&DomainNames=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<BatchStopCdnDomainResponse>
      <RequestId>324AEFFF-308C-4DA7-8CD3-01B277B98F28</RequestId>
</BatchStopCdnDomainResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

10.4. Domain name configuration

10.4.1. BatchSetCdnDomainConfig

Configures multiple accelerated domain names at a time.

> **Note** T
> - he maximum number of times that each user can call this operation per second is 30.
> - You can specify multiple domain names (no more than 50) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	BatchSetCdnDomainConfig	The operation that you want to perform. Set the value to **BatchSetCdnDomainConfig**.
DomainNames	String	Yes	example.com	The accelerated domain names. You can specify multiple accelerated domain names and separate them with commas (,).

Parameter	Type	Required	Example	Description
Functions	String	Yes	[{"functionArgs": [{"argName":"domain_name","argValue":"example.aliyundoc.com"}], "functionName":"set_req_host_header"}]	The features that you want to configure. Format: `[ { "functionArgs": [ { "argName": "Parameter key", "argValue": "Parameter value" }, { "argName": "Parameter key", "argValue": "Parameter value" } ], "functionName": "Feature name" } ]` Separate parameters with commas (,).

The following table describes how to set and query configid.

Scenario	API operation
Adds a configuration record.	Perform the BatchSetCdnDomainConfig operation. After the operation succeeds, a **configid** is generated.
Queries a configuration record.	Perform the DescribeCdnDomainConfigs operation. If the operation succeeds, a **configid** is generated.
Modifies a configuration record.	Perform the BatchSetCdnDomainConfig operation and specify a **configid**.
Deletes a configuration record.	Perform the DeleteSpecificConfig operation and specify a **configid**.

Usage notes on configid:

- **How a configid is generated**: Perform the BatchSetCdnDomainConfig operation to configure a feature for a domain name. If the operation succeeds, a configid is generated and returned.
  - Sample request:

```
action: BatchSetCdnDomainConfig
params: {"Functions":[{"functionArgs":[{"argName":"value","argValue":"test"},{"argName"
:"key","argValue":"User-Agent"}],"functionName":"set_req_header"}],"domainNames":"examp
le.com"}
product: cdn
```

  - Sample success response:

```
{
    "code": "200",
    "data": {
"DomainConfigList": {
            "DomainConfigModel": [
                {
                    "FunctionName": "set_req_header",
                    "DomainName": "example.aliyundoc.com",
                    "ConfigId": 19571990834****
                }
            ]
        },
        "RequestId": "4FF61A1D-E697-5E6C-9E5D-7D1E1529****"
    },
    "httpStatusCode": "200",
    "requestId": "4FF61A1D-E697-5E6C-9E5D-7D1E1529****",
    "successResponse": true
}
```

  - **Add multiple rules**

    Some features support more than one rule. The following example shows how to add multiple rules at a time:

    Example: Configure the **set_resp_header** feature for the domain name example.aliyundoc.com. The following two rules are added:

    - Rule 1: key=123,value=123

- Rule 2: key=test,value=test

```
action: BatchSetCdnDomainConfig
params: {
    "domainNames": "example.aliyundoc.com",
    "functions": [
        {
            "functionArgs": [
                {
                    "ArgValue": "123",
                    "ArgName": "key"
                },
                {
                    "ArgValue": "123",
                    "ArgName": "value"
                }
            ],
            "functionName": "set_resp_header"
        },
        {
            "functionArgs": [
                {
                    "ArgValue": "test",
                    "ArgName": "key"
                },
                {
                    "ArgValue": "test",
                    "ArgName": "value"
                }
            ],
            "functionName": "set_resp_header"
        }
    ]
}
product: cdn
```

- **Add multiple configuration records**

  Some features, such as filetype_based_ttl_set, support multiple configuration records. If you want to update one of the configuration records, specify the ID of the configuration record (configId).

```
[
{
    "functionArgs": [
            {
                "argName": "file_type",
                "argValue": "jpg"
            },
            {
                "argName": "ttl",
                "argValue": "18"
            }
        ],
        "functionName": "filetype_based_ttl_set",
        "configId": 5068995
    }
]
```

- **How to query the configid**: Perform the DescribeCdnDomainConfigs operation. If the operation succeeds, a configid is returned.
  - Sample request:

```
action: DescribeCdnDomainConfigs
    params: {"domainName":"example.aliyundoc.com","functionNames":"set_req_header"}
    product: cdn
```

- Sample response:


```
{
        "code": "200",
        "data": {
            "RequestId": "51B7DF03-A7AE-56ED-BF1E-D16F6A6B****",
            "DomainConfigs": {
                "DomainConfig": [
                    {
                        "Status": "configuring",
                        "FunctionName": "set_req_header",
                        "FunctionArgs": {
                            "FunctionArg": [
                                {
                                    "ArgValue": "test",
                                    "ArgName": "value"
                                },
                                {
                                    "ArgValue": "User-Agent",
                                    "ArgName": "key"
                                }
                            ]
                        },
                        "ConfigId": 19572306654****
                    }
                ]
            }
        },
        "httpStatusCode": "200",
        "requestId": "51B7DF03-A7AE-56ED-BF1E-D16F6A6B****",
        "successResponse": true
    }
```


- **How to use a configid:**

- If you want to update a configuration record, perform the BatchSetCdnDomainConfig operation and specify the configid.

```
action: BatchSetCdnDomainConfig
params: {
    "Functions": [
        {
            "functionArgs": [
                {
                    "argName": "value",
                    "argValue": "123456"
                },
                {
                    "argName": "key",
                    "argValue": "User-Agent"
                }
            ],
            "functionName": "set_req_header",
            "configId": 19571990834****
        }
    ],
    "domainNames": "example.com"
}
product: cdn
```

- If you want to delete a configuration record, perform the DeleteSpecificConfig operation and specify the configid.

```
action: DeleteSpecificConfig
params: {
    "configId": 19571990834****,
    "functionName": "set_req_header",
    "domainName": "example.aliyundoc.com"
}
product: cdn
```

Note: Specify parameter values in a string.

FunctionID	Feature	Parameter	References

FunctionID	Feature	Parameter	References
1	referer_white_list_set: configures a referer whitelist.	refer_domain_allow_list : specifies the referers to be added to the whitelist. Separate referers with commas (,). allow_empty: specifies whether requests with an empty referer header are allowed to access CDN resources. Valid values: on and off.	Configure a referer whitelist or blacklist to enable hotlink protection
5	referer_black_list_set: configures a referer blacklist.	refer_domain_deny_list: specifies the referers to be added to the blacklist. Separate referers with commas (,). allow_empty: specifies whether requests with an empty referer header are allowed to access CDN resources. Valid values: on and off.	Configure a referer whitelist or blacklist to enable hotlink protection
6	filetype_based_ttl_set: sets a time-to-live (TTL) value for cached files.	ttl: specifies the time period after which the cached files expire. Unit: seconds. file_type: specifies the file types. You can specify multiple file types and separate them with commas (,). Example: TXT,JPG. weight: specifies the weight of the expiration rule. Maximum value: 99. Minimum value: 1. A greater value indicates a higher priority.	Set a TTL value for cached resources

FunctionID	Feature	Parameter	References
7	path_based_ttl_set: sets a TTL value for a directory.	ttl: specifies the period of time after which the cached resources expire. Unit: seconds. path: specifies a directory. It must start with a forward slash (/). weight: specifies the weight of the expiration rule. Maximum value: 99. Minimum value: 1. A greater value indicates a higher priority.	Set a TTL value for cached resources
10	oss_auth: configures authentication for requests destined for an Object Storage Service (OSS) bucket.	oss_bucket_id: specifies the endpoint of the OSS bucket.	If the origin server is an OSS bucket, authentication is automatically configured.
13	ip_black_list_set: configures an IP blacklist.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).	Configure an IP address blacklist or whitelist
69	ip_allow_list_set: configures an IP whitelist.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).	Configure an IP address blacklist or whitelist
14	ip_white_list_set: configures Taobao Missile Defense.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).	N/A

FunctionID	Feature	Parameter	References
15	error_page: redirects requests to a specified error page.	error_code: specifies the HTTP status code. rewrite_page: specifies the error page to which requests are redirected when the specified HTTP status code occurs.	Customize an error page
18	set_req_host_header: configures the custom header for requests that are redirected to the origin server.	domain_name: specifies a domain name that is used as the origin host.	Configure an origin host

FunctionID	Feature	Parameter	References
19	set_hashkey_args: retains specified URL parameters.	hashkey_args: specifies the URL parameters to be retained. Separate parameters with commas (,). You can specify up to 10 parameters to be retained. disable: A value of on indicates that all URL parameters are deleted. A value of off indicates that all URL parameters are retained. The hashkey_args setting has a higher priority. Even if you have set this parameter to on, the parameters specified in hashkey_args are retained. keep_oss_args: specifies whether to retain all URL parameters in requests before they are redirected to origin servers. A value of on indicates that all URL parameters are retained in requests before they are redirected to origin servers. A value of off indicates that only the parameters specified in hashkey_args are retained.	Enable Alibaba Cloud CDN to retain only specified URL parameters and ignore other URL parameters

FunctionID	Feature	Parameter	References
25	aliauth: configures URL signing.	auth_type: specifies the signing type. A value of no_auth disables authentication. A value of type_a indicates type A signing. A value of type_b indicates type B signing. A value of type_c indicates type C signing. auth_key1: specifies the primary cryptographic key. The cryptographic key must be 16 to 32 characters in length, and can contain letters and digits. auth_key2: specifies the secondary cryptographic key. The cryptographic key must be 16 to 32 characters in length, and can contain letters and digits. ali_auth_delta: customizes the buffer time for authentication.	Configure URL signing

FunctionID	Feature	Parameter	References
27	set_resp_header: sets a response header. To verify the setting, you can check the response messages on a web browser.	key: specifies the response header. This parameter is required. value: specifies the value of the response header. This parameter is required. Enter null if you want to delete the header. header_operation_type: specifies the action to be performed on a request header. Valid values: add, delete, modify, and rewrite. add: adds a request header. delete: deletes a request header. modify: modifies a request header. rewrite: replaces a request header. duplicate: specifies whether duplicate response headers are allowed. Valid values: on and off. header_source: searches for the source of the request header. header_destination: replaces the request header. match_all: specifies whether to match against all responses. Valid values: on and off. access_origin_control: specifies whether to enable cross-origin resource sharing (CORS). Valid values: on and off.	Create a custom HTTP response header

FunctionID	Feature	Parameter	References
44	https_force: redirects requests from HTTP to HTTPS.	enable: specifies whether to enable this feature. Valid values: on and off.	Configure URL redirection
45	https_force: redirects requests from HTTPS to HTTP.	enable: specifies whether to enable this feature. Valid values: on and off.	Configure URL redirection
78	https_option: sets basic HTTPS parameters.	http2: specifies whether to enable HTTP/2. Valid values: on and off. ocsp_stapling: specifies whether to enable Online Certificate Status Protocol (OCSP) stapling. Valid values: on and off.	Configure an SSL certificate, Configure HTTP/2, and Configure OCSP stapling
47	forward_scheme: configures the static origin protocol policy.	enable: specifies whether to enable this feature. Valid values: on and off. scheme_origin: specifies the protocol policy that is used to communicate with the origin server. Valid values: http, https, and follow.	Configure the origin protocol policy

FunctionID	Feature	Parameter	References
96	tmd_signature: sets a custom rate limiting rule.	name: specifies the name of the rule. It must be unique within the domain name. path: specifies the URI path. You can specify duplicate URI paths. However, you must verify their validity. pathType: specifies the match mode. Valid values: 0 and 1. A value of 0 indicates prefix match. A value of 1 indicates exact match. interval: specifies the interval at which the data is monitored. Unit: seconds. The interval must be at least 10 seconds. count: specifies the maximum number of visits that can be sent from an individual IP address. action: specifies the operation to be performed after specified conditions are met. Valid values: 0 (block) and 1 (bot detection). ttl: specifies the period of time during which the object remains blocked. Unit: seconds. object: specifies the type of object to be blocked. rule: specifies the rule for blocking specified objects.	Configure rate limiting

FunctionID	Feature	Parameter	References
39	set_req_header: customizes an HTTP header for requests that are redirected to the origin server.	set_req_header is supported by version 1. We recommend that you use origin_request_header, which is supported by version 2 and provides more features. key: specifies the name of the request header. value: specifies the value of the request header.	Configure a request header for back-to-origin requests
85	l2_oss_key: retrieves your content from private OSS buckets.	private_oss_auth: specifies whether to enable this feature. Valid values: on and off.	Grant Alibaba Cloud CDN access permissions on a private OSS bucket
31	range: configures object chunking to retrieve content from the origin server based on HTTP range requests.	enable: specifies whether to enable this feature. Valid values: on, off, and force.	Configure object chunking

FunctionID	Feature	Parameter	References
30	video_seek: configures video seeking.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. flv_seek_by_time: specifies whether to enable Flash Video (FLV) seeking by time. Valid values: on and off. mp4_seek_start: customizes MP4 video start parameters. mp4_seek_end: customizes MP4 video end parameters. flv_seek_start: customizes FLV video start parameters. flv_seek_end: customizes FLV video end parameters.	Configure video seeking

FunctionID	Feature	Parameter	References
75	ali_remove_args: deletes URL parameters.	ali_remove_args: specifies the parameters to be deleted. Separate multiple parameters with spaces. The remaining parameters are used as the URL parameters in hashkey_args. The ali_remove_args parameter is required. keep_oss_args: specifies whether to retain URL parameters in requests before they are redirected to origin servers. A value of on indicates that all URL parameters are retained in requests before they are redirected to origin servers. A value of off indicates that only the parameters in the hashkey_args are retained.	Enable Alibaba Cloud CDN to delete URL parameters

FunctionID	Feature	Parameter	References
110	https_tls_version: configures the TLS protocol.	tls10: configures TLS 1.0. Valid values: on and off. Default value: on. tls11: configures TLS 1.1. Valid values: on and off. Default value: on. tls12: configures TLS 1.2. Valid values: on and off. Default value: on. tls13: configures TLS 1.3. Valid values: on and off. Default value: off.	Configure TLS version control

FunctionID	Feature	Parameter	References
112	HSTS: configures HSTS.	enabled: specifies whether to enable this feature. This parameter is required. Valid values: on and off. Default value: off. https_hsts_max_age: specifies the validity period of the HSTS policy. This parameter is required. Unit: seconds. We recommend that you set the value to 5184000. This value equals 60 days. https_hsts_include_subdomains: specifies whether the HSTS header contains the includeSubDomains parameter. Valid values: on and off. Use caution when you enable this feature. Make sure that HTTPS is enabled for all the subdomains of the domain name to be accelerated. Otherwise, the HTTPS URLs to which users are redirected from the subdomains become inaccessible.	Configure HSTS

FunctionID	Feature	Parameter	References
63	filetype_force_ttl_code: specifies a TTL value for HTTP status codes based on file types.	file_type: specifies the file types. You can specify one or more file types. Separate file types with commas (,), for example, TXT,JPG. This parameter is required. code_string: specifies the HTTP status code and a TTL. You can set the TTL to at most three years. The TTL is measured in seconds. Separate status codes with commas (,). This parameter is required. Example: 302=0,301=0,4xx=2.	Create a cache expiration rule for HTTP status codes
65	path_force_ttl_code: specifies a TTL value for HTTP status codes based on directories.	path: specifies a directory. It must start with a forward slash (/), for example, /image. This parameter is required. code_string: specifies the HTTP status code and a TTL. You can set the TTL to at most three years. The TTL is measured in seconds. Separate status codes with commas (,). This parameter is required. Example: 302=0,301=0,4xx=2.	Create a cache expiration rule for HTTP status codes
35	gzip: optimizes pages by using GNU zip (Gzip) compression.	enable: specifies whether to enable the feature. Valid values: on and off.	Configure intelligent compression

FunctionID	Feature	Parameter	References
16	tesla: configures page optimization to speed up page loading.	enable: specifies whether to enable the feature. This parameter is required. Valid values: on and off. trim_js: specifies whether to optimize the JavaScript code of HTML pages. Valid values: on and off. trim_css: specifies whether to optimize the CSS code of HTML pages. Valid values: on and off.	Configure HTML optimization
114	https_origin_sni: configures the origin Server Name Indication (SNI) feature.	enabled: specifies whether to enable this feature. This parameter is required. Valid values: on and off. https_origin_sni: configures the origin SNI settings. This parameter is required.	Configure SNI
		ali_limit_rate: specifies the maximum amount of data that can be transmitted per second after traffic throttling is triggered, such as 200 KB or 1 MB. Unit: byte/s. This parameter is required. ali_limit_rate_after: specifies the maximum amount of data that can be transmitted before traffic throttling is triggered. Unit: byte/s.	

FunctionID	Feature	Parameter	References
72	limit_rate: configures traffic throttling for individual requests.	traffic_limit_arg: specifies the name of the URL parameter based on which traffic throttling is triggered. Example: rate. traffic_limit_unit: specifies the unit for traffic throttling. Valid values: k, m, and g. For example, when the ali_limit_rate_after parameter is set to 1, the maximum data transfer rate can be 1 MB/s, 1 KB/s, or 1 GB/s. ali_limit_start_hour: specifies the start time of traffic throttling. Valid values: 0 to 24. Default: 0. The start time must be earlier than the end time. ali_limit_end_hour: specifies the end time of traffic throttling. Valid values: 0 to 24. Default: 24. The end time must be later than the start time.	N/A
97	brotli: configures Brotli compression.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. brotli_level: specifies the compression level. Valid values: 1 to 11.	Brotli compression

FunctionID	Feature	Parameter	References
58	ali_ua: configures a User-Agent blacklist or whitelist.	ua: specifies user agents. You can enter a wildcard character (*) or multiple values. `Seperate values with vertical bars (|). Example: *curl*|*IE*|*chrome*|*firefox*.` type: specifies a blacklist or whitelist. You can specify only a blacklist or a whitelist.	Configure a User-Agent blacklist or whitelist
43	host_redirect: configures URL rewrite.	regex: specifies the URL to be rewritten. Example: ^/$. replacement: specifies the final URL, for example, /go/act/sale/tbzlsy.php. flag: Valid values are redirect and break.	Create a URI rewrite rule
281	iquic: configures basic parameters of Quick UDP Internet Connections (QUIC).	iquic_enable: specifies whether to enable QUIC. Valid values: on and off.	N/A
124	forward_timeout: configures the timeout period for requests that are redirected to the origin server.	forward_timeout: specifies a time period, in seconds. We recommend that you set a value that is at most 100.	Set a timeout period for HTTP requests

FunctionID	Feature	Parameter	References
204	ali_video_split: configures audio extraction.	enabled: specifies whether to enable this feature. Valid values: on and off.	Configure audio extraction
194	ipv6: configures IPv6.	switch: specifies whether to enable IPv6. A value of on enables IPv6. A value of off disables IPv6. This parameter is required. region: specifies the region where you want to enable IPv6. You can enter an asterisk (*) to specify all regions.	Configure IPv6
205	ali_video_preview: configures video preview.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. The video preview feature supports the TS and MP3 formats. For FLV and MP4 video files, visitors can advance and rewind videos. ali_video_preview_argument: specifies the length of the videos that can be previewed by visitors. The parameter value must be measured in seconds. This parameter is required.	Cofigure audio or video preview
207	default_ttl_code: sets a TTL value for specified HTTP status codes.	default_ttl_code: specifies a TTL value for HTTP status codes. Unit: seconds. Example: 4xx=3, 200=3600, and 5xx=1. Separate HTTP status codes with commas (,). This parameter is required.	N/A

FunctionID	Feature	Parameter	References
180	edge_function: configures EdgeScript (ES).	Required parameters: rule: specifies the domain-specific language (DSL) script. pri: specifies the priority of the script. enable: specifies whether to enable the script. Valid values: on and off. Optional parameters: name: specifies the name of the script. The name can contain only letters and underscores (_). pos: specifies whether to execute the script at the start or end of the request processing pipeline. brk: specifies that after the current script is matched, the subsequent scripts at the specified position are skipped. option: specifies extensions that are used to perform response header debugging. grammar: an extension used to specify the scripting language. Valid values: es2 and js. You can also leave this parameter empty. jsmode: an extension used to manage the domain name whitelist in JavaScript. Valid value: redirect and bypass.	EdgeScript

FunctionID	Feature	Parameter	References
219	follow_302: configures 302 redirection.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. max_tries: The maximum number of back-to-origin times. Default value: 2. Valid values: 1 to 6. Number of back-to-origin times - 1 = Number of 302 redirects. retain_args: Valid values are on and off. If you set the value to on, request parameters are retained in 302 redirects. Default value: off. retain_header: Valid values are on and off. If you set the value to on, request headers are retained in 302 redirects. Default value: off.	Configure 302 redirection
186	aws_s3_bucket: specifies the Amazon Web Services (AWS) Simple Storage Service (S3) buckets that require authentication.	enable: specifies whether to enable the feature. Valid values: l2 and off. bucketname: specifies the names of the AWS S3 buckets. accesskey: required. It specifies the access key issued by AWS. secretkey: specifies the AWS access key secret. This parameter is required. region: specifies the Region where the AWS S3 bucket is deployed. This parameter is required.	N/A

FunctionID	Feature	Parameter	References
223	origin_certificate_verification: verifies origin certificates.	enabled: specifies whether to enable this feature. Valid values: on and off. A value of on enables origin certificate verification. A value of off disables origin certificate verification. common_name_whitelist: specifies the common names to be added to the whitelist. Certificates whose common names are on the whitelist can pass the verification.	N/A
212	origin_dns_host: specifies the origin server.	ali_origin_dns_host: specifies the domain name used in back-to-origin DNS queries. This parameter is required.	N/A
8	cc_defense: specifies the order of custom rate limiting rules.	tmdRules: sorts the custom rate limiting rules in a specified order. Separate rules with commas (,).	Configure rate limiting
214	cc_rule: configures rate limiting.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. template: specifies the template. Valid values are normal, attack, and none. This parameter is required. argCheck: configures parameter check. Valid values are on and off. This parameter is required.	Configure rate limiting

FunctionID	Feature	Parameter	References
224	back_to_origin_argument_rewrite: configures parameter rewrite.	Action priorities: Add > Delete > Reserve > Modify. Separate parameters with spaces. delete_argument: specifies the parameters to be deleted. save_argument: specifies the parameters to be retained. Only the specified parameters are retained. The Add and Delete rules take effect at the same time. ignore_all_argument: specifies whether to delete all parameters in requests that are redirected to the origin server. Valid values: on and off. However, parameters added by the Add action are reserved. add_argument: specifies parameters to be added. The Add action has the highest priority. modify_argument: specifies the parameters to be modified. The Modify action has the lowest priority. Parameters specified by the Delete action are not retained. enable: specifies whether to enable this feature. Valid values: on and off.	Configure parameter filtering

FunctionID	Feature	Parameter	References
225	back_to_origin_url_rewrite: configures URL rewrite.	source_url: specifies the URL to be rewritten. This parameter is required. target_url: specifies the final URL. This parameter is required. flag: specifies an action. Valid values: null, break, and enhance_break. null: continues to apply subsequent rewrite rules after applying the current rule. break: stops applying subsequent rewrite rules after applying the current rule. enhance_break: applies the current rewrite rule to both the URL and its parameters, and then stops applying subsequent rules. This action is also effective on FLV streaming.	Configure URI rewrite
227	self_defined_cachekey: specifies a custom cachekey.	uri: specifies a URL. args: specifies the operation to be performed on the parameters. headers: the HTTP header. variable: custom variables.	Custom cache keys

FunctionID	Feature	Parameter	References
235	advanced_origin: configures advanced back-to-origin routing settings.	variable_type: specifies the type of variable. Valid values are header, arg, uri, and cookie. This parameter is required. variable: specifies a variable. This parameter is required. conditions: specifies conditions. Valid values are == and !=. value: specifies a value. This parameter is required. origin: specifies the domain name used in back-to-origin DNS queries. This parameter is required.	N/A

FunctionID	Feature	Parameter	References
228	origin_request_header: configures HTTP request headers for back-to-origin requests.	header_operation_type: required. It specifies the action in the request header. Supported actions are add, delete, modify, and rewrite. The add action adds a header. The delete action deletes a header. The modify action modifies a header. The rewrite action rewrites a header. header_name: specifies the name of the request header. This parameter is required. header_value: specifies the value of the request header. duplicate: specifies whether duplicate request headers are allowed. Valid values: on and off. header_source: searches for the source of the response header. header_destination: replaces the response header. match_all: specifies whether to match all responses. Valid values: on and off.	Rewrite HTTP headers in back-to-origin requests

FunctionID	Feature	Parameter	References
229	origin_response_header: configures HTTP response headers.	header_operation_type: specifies the action to be performed on the response header. This parameter is required. Valid values: add, delete, modify, and rewrite. add: adds a response header. delete: deletes a response header. modify: modifies a response header. rewrite: rewrites a response header. header_name: specifies the name of the response header. This parameter is required. header_value: specifies the value of the response header. duplicate: specifies whether duplicate response headers are allowed. Valid values: on and off. header_source: searches for the source of the response header. header_destination: replaces the response header. match_all: specifies whether to match against all responses. Valid values: on and off.	Rewrite HTTP headers in responses from an origin server

FunctionID	Feature	Parameter	References
209	ddos_domain: configures DDoS mitigation.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. args: specifies the operation to be performed on the parameters. dispatch_target: specifies the object for which DDoS mitigation is enabled. This parameter is required. attack_dispatch_partner is required. dispatch_target_type: specifies the type of object for which DDoS mitigation is enabled. Valid values are IP and cname. This parameter is required. dispatch_qps: specifies the maximum number of queries per second before DDoS mitigation is triggered in mainland China.	Integrate Alibaba Cloud CDN with Anti-DDoS
57	ali_location: specifies the regions from which requests are blocked.	ali_origin_dns_host: specifies the domain name used in back-to-origin DNS queries. This parameter is required.	Block regions

FunctionID	Feature	Parameter	References
253	hls_token_rewrite: configures M3U8 encryption and rewrite.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. hls_token_arg_name: specifies the name of the parameter that you want to append. If you do not set the parameter, MtsHlsUriToken is used as the name of the appended parameter.	M3U8 encryption and rewrite
		enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. remote_auth_addr: specifies the address of the authentication server. This parameter is required. Format: <props>https://cdn.aliyun.com/auth or <props>http://10.10.10.10/auth. remote_auth_method: specifies the request method. Valid values: get, post, and head. This parameter is required. remote_auth_type: specifies the type of file to be authenticated. This parameter is required. A value of all specifies all types. Separate different file types with vertical bars (|). The value is case-sensitive. For example, jpg is different from JPG.	

FunctionID	Feature	Parameter	References
		remote_auth_reserve_arg: specifies whether to retain parameters. A value of all specifies to retain all parameters. Separate multiple parameters with vertical bars (|). A value of ali_delete_all_args specifies to delete all URL parameters. The value is case-sensitive. For example, key is different from KEY. This parameter is required. remote_auth_custom_args: adds custom parameters. Separate parameters with vertical bars (|). The value is case-sensitive. For example, key is different from KEY. This parameter is optional. remote_auth_reserve_header: specifies whether to retain request headers. A value of all specifies to retain all request headers. Separate request headers with vertical bars (|). A value of ali_delete_all_headers specifies to delete all request headers. The value is case-insensitive. For example, http_remote_addr is the same as HTTP_Remote_Addr. This parameter is required.	

FunctionID	Feature	Parameter	References
258	cdn_remote_auth: configures remote authentication.	remote_auth_custom_header: adds custom request headers. Separate request headers with vertical bars (|). The value is case-insensitive. For example, http_remote_addr is the same as HTTP_Remote_Addr. This parameter is optional. remote_auth_success_code: specifies the response code to return to CDN when the authentication is successful. This parameter is required. For example, if you set the value to 200, the authentication server will return the response code 200 to CDN when the authentication is successful. remote_auth_fail_code: specifies the response code to return to CDN when the authentication fails. This parameter is required. For example, if you set the value to 403, the authentication server will return the response code 403 to CDN when the authentication fails. remote_auth_fail_resp_code: specifies the response code to return to the user when the authentication fails. This parameter is required. For example, if you set the value to 403, CDN will return the response code 403 to the user when the authentication fails.	Configure remote authentication

FunctionID	Feature	Parameter	References
		remote_auth_timeout: specifies the timeout period for authentication. This parameter is required. Unit: milliseconds. Example: 500. Maximum value: 3000. remote_auth_timeout_action: specifies the action after the authentication times out. This parameter is required. Valid values: pass and reject. If you set the value to pass, CDN allows user requests after the authentication fails. If you set the value to reject, CDN returns the specified response code to the user and rejects user requests.	

FunctionID	Feature	Parameter	References
239	image_transform: configures image editing.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. filetype: specifies the image formats that support transcoding. Separate formats with vertical bars (|). This parameter is required. webp: specifies whether to automatically convert images to the WebP format if the client supports the WebP format. WebP images have smaller sizes. Valid values: on and off. orient: specifies whether to enable automatic rotation for images. Valid values: on and off. This parameter takes effect only for images that support automatic rotation. slim: specifies whether to enable image compression without changing the resolution, size, or format.	Configure image editing

FunctionID	Feature	Parameter	References
270	allowed_crawlers: configures a crawler whitelist.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. search_engines_ip: specifies IP addresses of search engines. Valid values: observer, allow, and off.	N/A
271	threat_intelligence: configures the threat intelligence feature.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. malicious_machine_fingerprint_high: specifies high-risk fingerprints. Valid values: observer, block, and off. malicious_machine_fingerprint_medium: specifies medium-risk fingerprints. Valid values: observer, block, and off. malicious_machine_fingerprint_normal: specifies low-risk fingerprints. Valid values: observer, block, and off. malicious_crawler_ip: specifies malicious crawler IP addresses. Valid values: observer, block, and off. malicious_proxy_ip: specifies malicious proxy IP addresses. Valid values: observer, block, and off.	N/A

FunctionID	Feature	Parameter	References
272	intelligent_algorithm: configures AI protection.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. fingerprint_intelligent_algorithm: specifies AI protection algorithms. Valid values: on and off.	N/A
275	edgeroutine: configures EdgeRoutine.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. edge_routine_id: specifies a script ID. The ID can contain letters, digits, and hyphens (-). This parameter is required. edge_routine_mode: specifies the mode in which the script is triggered. Value values: redirect and bypass. Default value: redirect. edge_routine_fallback_cdn: specifies whether to allow Alibaba Cloud CDN to take over if the script fails. Valid values: on and off. Default value: off.	Features of EdgeRoutine
242	origin_host: specifies the origin host.	origin: specifies the origin server. This parameter is required. host: specifies the host. This parameter is required.	N/A

FunctionID	Feature	Parameter	References
250	condition: specifies advanced condition 2.0.	rule: specifies the content of the condition. This parameter is required. name: specifies the name of the rule.	N/A
276	ali_origin_port_scheme: specifies the port and protocol of the origin server.	port: This parameter is required. If you set scheme to follow, set the value in the `http:80|https:443` format. scheme: This parameter is required. Valid values: follow, http, and https.	N/A
262	origin_sni: configures SNI settings for back-to-origin routing.	origin: specifies the origin server. This parameter is required. sni_host: specifies the SNI host. This parameter is required. keepalive_sni: specifies whether to match persistent connections against SNI hosts. If this feature is enabled, different SNI hosts use different persistent connections. Valid values: on and off. This parameter is optional.	N/A

Response parameters

Parameter	Type	Example	Description
DomainConfigList	Array of DomainConfigModel		The IDs of configurations for the specified domain names.
DomainConfigModel			

Parameter	Type	Example	Description
ConfigId	Long	1234567	The ID of the configuration.
DomainName	String	www.example.com	The domain name.
FunctionName	String	set_req_host_header	The feature.
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=BatchSetCdnDomainConfig
&DomainName=example.com,example.org
&Functions=[{"functionArgs":[{"argName":"domain_name","argValue":"example.aliyundoc.com"}],
"functionName":"set_req_host_header"}]
&<Common request parameters>
```

Sample success responses

`XML` format

```
<BatchSetCdnDomainConfigResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
  <DomainConfigModel>
        <DomainName>www.example.com</DomainName>
        <ConfigId>1234567</ConfigId>
        <FunctionName>set_req_host_header</FunctionName>
  </DomainConfigModel>
</BatchSetCdnDomainConfigResponse>
```

`JSON` format

```
{
    "RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368",
    "DomainConfigModel": [
        {
            "DomainName": "www.example.com",
            "ConfigId": 1234567,
            "FunctionName": "set_req_host_header"
        }
    ]
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidFunctions.Malformed	The specified Functions is incorrectly formatted.	The error message returned because the format of the configuration is invalid.
400	InvalidArgValue.Malformed	The specified ArgValue is invalid.	The error message returned because the parameter is set in an invalid format. Set the parameter in a valid format and try again.
400	MissingParameter%s	The specified value of ArgName[%s] is missing.	The error message returned because a required parameter is not set.
400	InvalidFunctionArgs.Malformed	The specified FunctionArgs is invalid.	The error message returned because the FunctionName parameter is set in an invalid format.
400	InvalidHeaderKey.ValueNotSupported	The specified value of parameter HeaderKey is not supported.	The error message returned because the specified HTTP header is invalid. Valid values of the Key parameter: Content-Type, Cache-Control, Content-Disposition, Content-Language, Expires, Access-Control-Allow-Origin, Access-Control-Allow-Methods, Access-Control-Allow-Headers, Access-Control-Max-Age, Access-Control-Expose-Headers, and Access-Control-Allow-Credentials.
400	ConfigurationConflicts	The staging environment has a configuration in effect and cannot modify the production environment configuration.	The error message returned because the configurations of the staging environment are different from those of the production environment. You cannot directly modify the configurations of the production environment. You must modify the configuration in the staging environment and then publish the configuration to the production environment.

HttpCode	Error code	Error message	Description
400	NoPermission.SLR	The current user does not have permission to create servicelinkedrole. Please contact the Alibaba Cloud account or administrator to authorize AliyunCDNFullAccess or custom policy:Service Name:cdn-ddos.cdn.aliyuncs.com,Role: AliyunServiceRoleForCDNAccessingDDoS,Permission: ram: CreateServiceLinkedRole	The error message returned because you do not have permissions to create service-linked roles. You must contact the owner of the Alibaba Cloud account or permission administrator to acquire the AliyunCDNFullAccess permission or attach a custom permission policy to the service-linked role. Information about the permission policy:Service name: cdn-ddos.cdn.aliyuncs.com.Name of the service-linked role: AliyunServiceRoleForCDNAccessingDDoS.Required permissions: ram:CreateServiceLinkedRole.

For a list of error codes, visit the API Error Center.

10.4.2. ModifyCdnDomain

Modifies the information about an accelerated domain name.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ModifyCdnDomain	The operation that you want to perform. Set the value to **ModifyCdnDomain**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name in each call.

Parameter	Type	Required	Example	Description
Sources	String	No	[{"content":"1.1.1.1","type":"ipaddr","priority":"20","port":80,"weight":"15"}]	The list of origin URLs. **Note** You cannot set both the **Sources** and **TopLevelDomain** parameters in the same request. Otherwise, the **TopLevelDomain** parameter cannot take effect.
ResourceGroupId	String	No	rg-acfmyuji4b6r4**	The ID of the resource group.
TopLevelDomain	String	No	aliyundoc.com	The top-level domain name. To add a top-level domain name, set the parameter CDN_TOP_LEVEL_DOMAIN_GREY_USER_LIST. This feature is available to only selected users. **Note** You cannot set both the **Sources** and **TopLevelDomain** parameters in the same request. Otherwise, the **TopLevelDomain** parameter cannot take effect.

The following table describes the fields in the Sources parameter.

Parameter	Type	Required	Description

Parameter	Type	Required	Description
type	String	Yes	The type of origin server. Valid values: ipaddr: The origin server uses an IP address. domain: The origin server uses a domain name. oss: The origin server is an Object Storage Service (OSS) bucket. fc_domain: The origin server uses a Function Compute domain name.
content	String	Yes	The origin address. You can specify either an IP address or a domain name.
port	Integer	No	The port number. You can specify port 80, port 443, or a custom port. Default value: 80. If you specify port 443, Alibaba Cloud Content Delivery Network (CDN) communicates with the origin server over HTTPS.

Parameter	Type	Required	Description
priority	String	No	The priority of the origin server if multiple origin servers are specified. Valid values: 20 and 30. Default value: 20. A value of 20 specifies that the origin server is the primary origin server. A value of 30 specifies that the origin server is a secondary origin server.
weight	String	No	The weight of the origin server if multiple origin servers are specified. You must specify a value less than 100. Default value: 10.

Response parameters

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

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=ModifyCdnDomain
&SourceType=domain
&DomainName=example.com
&Sources=[{"content":"1.1.1.1","type":"ipaddr","priority":"20","port":80,"weight":"15"}]
&<Common request parameters>
```

Sample success responses

`XML` format

```
<ModifyCdnDomainResponse>
      <RequestId>94E3559F-7B6A-4A5E-AFFD-44E2A208A249</RequestId>
</ModifyCdnDomainResponse>
```

`JSON` format

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

Error codes

HTTP status code	Error code	Error message	Description
400	EntityNotExists.ResourceGroup	The resource group does not exist.	The error message returned because the specified resource group does not exist.
400	TopLevelDomain.NotFound	TopLevelDomain is not exist.	The error message returned because the specified value of the TopLevelDomain parameter does not exist.

For a list of error codes, visit the API Error Center.

10.4.3. DescribeUserDomains

Queries basic configurations of specified accelerated domain names.

Note

- The maximum number of times that each user can call this operation per second is 100.
- You can specify multiple domain names (no more than 50) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeUserDomains	The operation that you want to perform. Set the value to **DescribeUserDomains**.
PageSize	Integer	No	5	The number of entries to return on each page. Valid values: **1 to 50**. Default value: **20**. Maximum value: **50**.

Parameter	Type	Required	Example	Description
PageNumber	Integer	No	1	The number of the page to return. Valid values: **1** to **100000**.
DomainName	String	No	example.com	The domain name that is used as a keyword to filter domain names. Fuzzy match is supported. If you do not set this parameter, domain names are not matched by default.
DomainStatus	String	No	configure_failed	The status of the domain name. You can filter domain names by status. Valid values: • **online**: The domain name is enabled. • **offline**: The domain name is disabled. • **configuring**: The domain name is being configured. • **configure_failed**: The domain name failed to be configured. • **checking**: The domain name is under review. • **check_failed**: The domain name failed the review. • **stopping**: The domain name is suspended. • **Deleting**: The domain name is being deleted. If you do not set this parameter, all states are queried.
DomainSearchType	String	No	fuzzy_match	The search method. Valid values: • **fuzzy_match** (default): fuzzy match • **pre_match**: prefix match • **suf_match**: suffix match • **full_match**: exact match

Parameter	Type	Required	Example	Description
CdnType	String	No	download,web,video	The type of workload accelerated by Alibaba Cloud CDN. Separate types with commas (,). Valid values: • **web**: images and small files. • **download**: large files. • **video**: on-demand video and audio streaming. If you do not set this parameter, all service types are queried.
CheckDomainShow	Boolean	No	false	Specifies whether to display domain names that are under review, failed the review, or failed to be configured. Valid values: • **true**: yes • **false**: no
ResourceGroupId	String	No	abcd1234abcd1234	The ID of the resource group. By default, all IDs are queried.
ChangeStartTime	String	No	2019-10-10T12:14:55Z	The beginning of the time range to query. Specify the time in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
ChangeEndTime	String	No	2019-10-10T12:14:58Z	The end of the time range to query. Specify the time in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.
Tag.N.Key	String	No	key	The key of the tag. Valid values of N: **1** to **20**. By default, all tag keys are queried.
Tag.N.Value	String	No	value	The value of the tag. Valid values of N: **1** to **20**. By default, all tag values are queried.

Parameter	Type	Required	Example	Description
Coverage	String	No	domestic	The accelerated region. By default, all accelerated regions are queried. Valid values: • **domestic**: mainland China only • **global**: global • **overseas**: regions outside mainland China

Response parameters

Parameter	Type	Example	Description
Domains	Array of PageData		The information about the accelerated domain names.
PageData			
CdnType	String	download	The type of workload accelerated by Alibaba Cloud CDN. Valid values: • **web**: images and small files. • **download**: large files. • **video**: on-demand video and audio streaming.
Cname	String	example.com.w.alikunlun.net	The canonical name (CNAME) assigned to the accelerated domain name.
Coverage	String	domestic	The accelerated region. Valid values: • **domestic**: mainland China only • **global**: global • **overseas**: regions outside mainland China
Description	String	filing description	The information about the Internet Content Provider (ICP) number.
DomainName	String	example.com	The accelerated domain name.

Parameter	Type	Example	Description
DomainStatus	String	configure_failed	The status of the accelerated domain name. Valid values: • **online**: The domain name is enabled. • **offline**: The domain is disabled. • **configuring**: The domain is being configured. • **configure_failed**: The domain failed to be configured. • **checking**: The domain name is under review. • **check_failed**: The domain name failed the review. • **stopping**: The domain name is suspended. • **Deleting**: The domain name is being deleted.
GmtCreated	String	2015-10-28T09:32:51Z	The time when the accelerated domain name was added to Alibaba Cloud CDN.
GmtModified	String	2015-10-28T11:05:52Z	The last time when the accelerated domain was modified.
ResourceGroupId	String	abcd1234abcd1234	The ID of the resource group.
Sandbox	String	normal	Indicates whether the accelerated domain name is in a sandbox.
Sources	Array of Source		The information about the accelerated domain name.
Source			
Content	String	xxx.oss-cn-hangzhou.aliyuncs.com	The address of the origin server.
Port	Integer	80	The port of the origin server.
Priority	String	20	The priority of the origin server if multiple origin servers are specified.

Parameter	Type	Example	Description
Type	String	oss	The type of the origin server.
Weight	String	15	The weight of the origin server if multiple origin servers have been specified.
SslProtocol	String	on	Indicates whether HTTPS is enabled. Valid values: • **on**: enabled • **off**: disabled
PageNumber	Long	1	The page number of the returned page.
PageSize	Long	20	The number of entries returned per page.
RequestId	String	BDA62CE4-3477-439A-B52E-D2D7C829D7C1	The ID of the request.
TotalCount	Long	2	The total number of entries returned.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeUserDomains
&PageNumber=1
&PageSize=5
&DomainSearchType=fuzzy_match
&Coverage=domestic
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeUserDomainsResponse>
  <PageNumber>1</PageNumber>
  <TotalCount>2</TotalCount>
  <PageSize>20</PageSize>
  <RequestId>BDA62CE4-3477-439A-B52E-D2D7C829D7C1</RequestId>
  <Domains>
        <PageData>
              <Cname>example.com.w.alikunlun.net</Cname>
              <Description>filing description</Description>
              <CdnType>download</CdnType>
              <ResourceGroupId>abcd1234abcd1234</ResourceGroupId>
              <DomainStatus>configure_failed</DomainStatus>
              <SslProtocol>on</SslProtocol>
              <DomainName>example.com</DomainName>
              <Coverage>domestic</Coverage>
              <Sources>
                    <Source>
                          <Port>80</Port>
                          <Weight>15</Weight>
                          <Type>oss</Type>
                          <Content>xxx.oss-cn-hangzhou.aliyuncs.com</Content>
                          <Priority>20</Priority>
                    </Source>
              </Sources>
              <GmtModified>2015-10-28T11:05:52Z</GmtModified>
              <Sandbox>normal</Sandbox>
              <GmtCreated>2015-10-28T09:32:51Z</GmtCreated>
        </PageData>
        <PageData>
              <Cname>example.com.w.alikunlun.net</Cname>
              <Description>filing description</Description>
              <CdnType>download</CdnType>
              <ResourceGroupId>abcd1234abcd1234</ResourceGroupId>
              <DomainStatus>configure_failed</DomainStatus>
              <SslProtocol>on</SslProtocol>
              <DomainName>example.com</DomainName>
              <Coverage>domestic</Coverage>
              <Sources>
                    <Source>
                          <Port>80</Port>
                          <Weight>15</Weight>
                          <Type>oss</Type>
                          <Content>xxx.oss-cn-hangzhou.aliyuncs.com</Content>
                          <Priority>20</Priority>
                    </Source>
              </Sources>
              <GmtModified>2015-10-28T11:05:52Z</GmtModified>
              <Sandbox>normal</Sandbox>
              <GmtCreated>2015-10-28T09:32:51Z</GmtCreated>
        </PageData>
  </Domains>
</DescribeUserDomainsResponse>
```

`JSON` format


```
{
    "PageNumber": 1,
    "TotalCount": 2,
    "PageSize": 20,
    "RequestId": "BDA62CE4-3477-439A-B52E-D2D7C829D7C1",
    "Domains": {
        "PageData": [
            {
                "Cname": "example.com.w.alikunlun.net",
                "Description": "filing description",
                "CdnType": "download",
                "ResourceGroupId": "abcd1234abcd1234",
                "DomainStatus": "configure_failed",
                "SslProtocol": "on",
                "DomainName": "example.com",
                "Coverage": "domestic",
                "Sources": {
                    "Source": [
                        {
                            "Port": 80,
                            "Weight": "15",
                            "Type": "oss",
                            "Content": "xxx.oss-cn-hangzhou.aliyuncs.com",
                            "Priority": "20"
                        }
                    ]
                },
                "GmtModified": "2015-10-28T11:05:52Z",
                "Sandbox": "normal",
                "GmtCreated": "2015-10-28T09:32:51Z"
            },
            {
                "Cname": "example.com.w.alikunlun.net",
                "Description": "filing description",
                "CdnType": "download",
                "ResourceGroupId": "abcd1234abcd1234",
                "DomainStatus": "configure_failed",
                "SslProtocol": "on",
                "DomainName": "example.com",
                "Coverage": "domestic",
                "Sources": {
                    "Source": [
                        {
                            "Port": 80,
                            "Weight": "15",
                            "Type": "oss",
                            "Content": "xxx.oss-cn-hangzhou.aliyuncs.com",
                            "Priority": "20"
                        }
                    ]
                },
                "GmtModified": "2015-10-28T11:05:52Z",
```

```
                "Sandbox": "normal",
                "GmtCreated": "2015-10-28T09:32:51Z"
            }
        ]
    }
}
```

Error codes

HttpCode	Error code	Error message	Required
400	InvalidDomainName.Malformed	The specified DomainName is invalid.	The error message returned because the format of the domain name is invalid.

For a list of error codes, visit the API Error Center.

10.4.4. DescribeCdnDomainDetail

Queries the basic information about an accelerated domain name.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnDomainDetail	The operation that you want to perform. Set the value to **DescribeCdnDomainDetail**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.

Response parameters

Parameter	Type	Example	Description
GetDomainDetailModel	Struct		The detailed information about the accelerated domain name.

Parameter	Type	Example	Description
CdnType	String	web	The workload type of the accelerated domain name. Valid values: • **web**: images and small files. • **download**: large files. • **video**: on-demand video and audio streaming.
Cname	String	example.com.w.kunlunle.com	The Canonical Name (CNAME) that is assigned to the accelerated domain name. You must add a CNAME record in the system of your DNS service provider to map the accelerated domain name to the CNAME.
Description	String	Live streaming	The remarks of the accelerated domain name.
DomainName	String	example.com	The accelerated domain name.
DomainStatus	String	online	The status of the accelerated domain name. Valid values: • **online**: The domain name is enabled. • **offline**: The domain is disabled. • **configuring**: The domain is being configured. • **configure_failed**: The domain failed to be configured. • **checking**: The domain name is under review. • **check_failed**: The domain name failed the review.
GmtCreated	String	2015-06-25T03:30:50Z	The time when the accelerated domain name was added to Alibaba Cloud CDN.
GmtModified	String	2017-06-25T03:30:50Z	The last time when the accelerated domain name was modified.
HttpsCname	String	example.com.w.kunlunle.com	The CNAME for which HTTPS is enabled.
ResourceGroupId	String	abcd1234abcd1234	The ID of the resource group.

Parameter	Type	Example	Description
Scope	String	domestic	The accelerated region.
ServerCertificateStatus	String	on	Specifies whether to enable the Security Socket Layer (SSL) certificate. Valid values: • **on**: enables the SSL certificate. • **off**: disables the SSL certificate.
SourceModels	Array of SourceModel		The information about the origin server.
SourceModel			
Content	String	example.com	The address of the origin server.
Enabled	String	online	The status of the origin server.
Port	Integer	80	The port over which requests are redirected to the origin server. Ports 443 and 80 are supported.
Priority	String	20	The priority of the origin server if multiple origin servers are specified.
Type	String	domain	The type of the origin server. Valid values: • **ipaddr**: IP address • **domain**: domain name • **oss**: Object Storage Service (OSS) bucket endpoint
Weight	String	10	The weight of the origin server if multiple origin servers are specified.
RequestId	String	18CF38AA-1275-451D-A12B-4EC0BF1C5E30	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnDomainDetail
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnDomainDetailResponse>
  <GetDomainDetailModel>
        <CdnType>web</CdnType>
        <Cname>example.com.w.kunlunle.com</Cname>
        <DomainName>example.com</DomainName>
        <DomainStatus>online</DomainStatus>
        <GmtCreated>2015-06-25T03:30:50Z</GmtCreated>
        <GmtModified>2015-06-25T03:30:53Z</GmtModified>
        <HttpsCname>example.com.w.kunlunle.com</HttpsCname>
        <SourceType>domain</SourceType>
        <ResourceGroupId>abcd1234abcd1234</ResourceGroupId>
        <SourceModels>
              <SourceModel>
                    <Enabled>online</Enabled>
                    <Port>80</Port>
                    <Type>domain</Type>
                    <Content>example.com</Content>
                    <Priority>20</Priority>
                    <Weight>10</Weight>
              </SourceModel>
        </SourceModels>
  </GetDomainDetailModel>
  <RequestId>18CF38AA-1275-451D-A12B-4EC0BF1C5E30</RequestId>
</DescribeCdnDomainDetailResponse>
```

`JSON` format

```
{
  "GetDomainDetailModel": {
    "CdnType": "web",
    "Cname": "example.com.w.kunlunle.com",
    "DomainName": "example.com",
    "DomainStatus": "online",
    "GmtCreated": "2015-06-25T03:30:50Z",
    "GmtModified": "2015-06-25T03:30:53Z",
    "HttpsCname":"example.com.w.kunlunle.com",
    "SourceType":"domain",
    "ResourceGroupId":"abcd1234abcd1234",
    "SourceModels": {
        "SourceModel": [
            {
             "Enabled": "online",
             "Port": 80,
             "Type": "domain",
             "Content": "example.com",
             "Priority": "20",
             "Weight": "10"
             }
           ]
            }
  },
  "RequestId": "18CF38AA-1275-451D-A12B-4EC0BF1C5E30"
}
```

Error codes

For a list of error codes, visit the API Error Center.

10.4.5. DescribeDomainsBySource

Queries domain names based on origin servers.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainsBySource	The operation that you want to perform. Set the value to **DescribeDomainsBySource**.

Parameter	Type	Required	Example	Description
Sources	String	Yes	example.com,aliyundoc.com	The origin servers. Separate origin servers with commas (,). Fuzzy match is not supported.

Response parameters

Parameter	Type	Example	Description
RequestId	String	B0F074E5-A1AC-4B32-8EA2-6F450410D1E0	The ID of the request.
Sources	String	example.com,aliyundoc.com	The origin servers.
DomainsList	Array of DomainsData		The domain names corresponding to each origin server. The data is indicated by the DomainsData parameter. Data type: array.
DomainsData			
Source	String	example.com	A requested origin server.
Domains	List	example.org,example.net	The domain names corresponding to each origin server. The domain name is indicated by the domainNames parameter. Data type: array.
DomainInfos	Array of domainInfo		The detailed information about the domain name. The data is indicated by the domainInfo parameter. Data type: array.
domainInfo			
DomainName	String	example.com	The domain name.
Status	String	online	The status of the domain name.
CreateTime	String	2016-07-12T11:53:19+08:00	The time when the domain name was added to Alibaba Cloud CDN.
UpdateTime	String	2017-03-31T04:49:00+08:00	The last time when the information about the domain name was updated.

Parameter	Type	Example	Description
DomainCname	String	aliyundoc.com	The CNAME assigned to the domain name.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainsBySource
&Sources=example.com,aliyundoc.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DomainsList>
    <DomainsData>
        <Source>example.com</Source>
        <Domains>
            <domainNames>a1.com</domainNames>
        </Domains>
        <DomainInfos>
            <domainInfo>
                <DomainCname>xxx.w.alikunlun.com</DomainCname>
                <Status>online</Status>
                <CreateTime>2016-07-12T11:53:19+08:00</CreateTime>
                <UpdateTime>2017-03-31T04:49:00+08:00</UpdateTime>
                <DomainName>example.edu</DomainName>
            </domainInfo>
        </DomainInfos>
    </DomainsData>
    <DomainsData>
        <Source>aliyundoc.com</Source>
        <Domains>
            <domainNames>b1.com</domainNames>
        </Domains>
        <DomainInfos>
            <domainInfo>
                <DomainCname>xxx.alikunlun.com</DomainCname>
                <Status>online</Status>
                <CreateTime>2017-01-13T18:01:00+08:00</CreateTime>
                <UpdateTime>2017-01-17T21:16:16+08:00</UpdateTime>
                <DomainName>example.org</DomainName>
            </domainInfo>
        </DomainInfos>
    </DomainsData>
</DomainsList>
<RequestId>B0F074E5-A1AC-4B32-8EA2-6F450410D1E0</RequestId>
<Sources>example.com,aliyundoc.com</Sources>
```

`JSON` format


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


Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	The parameter Sources miss.	The error message returned because the Sources parameter is not set.

HttpCode	Error code	Error message	Description
400	InvalidSources.Malformed	Specified Sources is malformed.	The error message returned because the origin address is specified in an invalid format.

For a list of error codes, visit the API Error Center.

10.4.6. DescribeCdnDomainConfigs

Queries the configurations of an accelerated domain name. You can query the configuration of one or more features at a time.

> **Note** The maximum number of times that each Alibaba Cloud account can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnDomainConfigs	The operation that you want to perform. Set the value to **DescribeCdnDomainConfigs**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name in each call.
FunctionNames	String	No	aliauth	The names of the features to query. Separate features with commas (,).
ConfigId	String	No	6295	Configuration ID.

The following table describes the supported features.

Feature	Parameter

Feature	Parameter
referer_white_list_set: configures a referer whitelist.	refer_domain_allow_list: specifies the referers to be added to the whitelist. Separate referers with commas (,). allow_empty: specifies whether requests with an empty referer header are allowed to access CDN resources. Valid values: on and off.
referer_black_list_set: configures a referer blacklist.	refer_domain_deny_list: specifies the referers to be added to the blacklist. Separate referers with commas (,). allow_empty: specifies whether requests with an empty referer header are allowed to access DCDN resources. Valid values: on and off.
filetype_based_ttl_set: sets an expiration rule for specified file types.	ttl: specifies the time period after which the cached data expires. Unit: seconds. file_type: specifies the file types. Separate file types with commas (,), for example, TXT,JPG. weight: specifies the weight. Maximum value: 99. Minimum value: 1. A greater value indicates a higher priority.
path_based_ttl_set: sets an expiration rule for a specified directory.	ttl: specifies the time period after which the cached data expires. Unit: seconds. path: specifies a directory. It must start with a forward slash (/). weight: specifies the weight. Maximum value: 99. Minimum value: 1. A greater value indicates a higher priority.
oss_auth: configures authentication for requests destined for an Object Storage Service (OSS) bucket.	oss_bucket_id: specifies the endpoint of the OSS bucket.
ip_black_list_set: configures an IP blacklist.	ip_list: specifies the IP addresses to be added to the blacklist. Separate IP addresses with commas (,).
ip_allow_list_set: configures an IP whitelist.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).

Feature	Parameter
ip_white_list_set: configures an IP whitelist for rate limiting.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).
error_page: redirects requests to a specified error page.	error_code: specifies the error code. rewrite_page: specifies the error page to which requests are redirected when the specified error occurs.
set_req_host_header: configures custom headers for requests that are redirected to the origin server.	domain_name: specifies a domain name that is used as the origin host.
set_hashkey_args: retains specified URL parameters.	hashkey_args: specifies the URL parameters to be retained. Separate parameters with commas (,). You can specify up to 10 parameters to be retained. disable: A value of on indicates that all URL parameters are deleted. A value of off indicates that all URL parameters are retained. The hashkey_args setting has a higher priority. Even if you have set this parameter to on, the parameters specified in hashkey_args are retained. keep_oss_args: specifies whether to retain all URL parameters in requests before they are redirected to origin servers. A value of on indicates that all URL parameters are retained in requests before they are redirected to origin servers. A value of off indicates that only the parameters specified in hashkey_args are retained.
aliauth: configures Alibaba Cloud authentication.	auth_type: specifies the authentication type. no_auth: disables authentication. type_a: enables signing type A. type_b: enables signing type B. type_c: enables signing type C. auth_key1: specifies the primary authentication key. auth_key2: specifies the secondary authentication key. ali_auth_delta: customizes the buffer time for authentication.

Feature	Parameter
set_resp_header: configures an HTTP response header. To verify the setting, you can check responses in a browser.	key: specifies the response header. This parameter is required. value: specifies the value of the response header. This parameter is required. Enter null if you want to delete the header. header_operation_type: specifies the action to be performed on a request header. Valid values: add, delete, modify, and rewrite. add: adds a request header. delete: deletes a request header. modify: modifies a request header. rewrite: replaces a request header. duplicate: specifies whether duplicate request headers are allowed. Valid values: on and off. header_source: searches for the source of the request header. header_destination: replaces the request header. match_all: specifies whether to match all requests. Valid values: on and off.
https_force: redirects visitors from HTTP URLs to corresponding HTTPS URLs.	enable: specifies whether to enable this feature. Valid values: on and off.
https_force: redirects visitors from HTTPS URLs to corresponding HTTP URLs.	enable: specifies whether to enable this feature. Valid values: on and off.
https_option: configures basic HTTPS parameters.	http2: specifies whether to enable HTTP/2. Valid values: on and off. ocsp_stapling: specifies whether to enable Online Certificate Status Protocol (OCSP) stapling. Valid values: on and off.
forward_scheme: configures the static origin protocol policy.	enable: specifies whether to enable this feature. Valid values: on and off. scheme_origin: specifies the protocol policy that is used to communicate with the origin server. Valid values: http, https, and follow.

Feature	Parameter
set_req_header: configures an HTTP header for requests that are redirected to the origin server.	set_req_header is supported by version 1. We recommend that use origin_request_header, which is supported by version 2 and provides more features. key: specifies the name of the header. value: specifies the value of the header.
l2_oss_key: retrieves content from private OSS buckets.	private_oss_auth: specifies whether to enable this feature. Valid values: on and off.
range: configures object chunking to retrieve content from the origin server based on HTTP range requests.	enable: specifies whether to enable this feature. Valid values: on, off, and force.
video_seek: configures video seeking.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. flv_seek_by_time: specifies whether to enable Flash Video (FLV) seeking by time. Valid values: on and off. mp4_seek_start: customizes MP4 video start parameters. mp4_seek_end: customizes MP4 video end parameters. flv_seek_start: customizes FLV video start parameters. flv_seek_end: customizes FLV video end parameters.
ali_remove_args: deletes URL parameters.	ali_remove_args: specifies the parameters to be deleted. The remaining parameters are used as the URL parameters in hashkey_args. Separate parameters with spaces. The ali_remove_args parameter is required. keep_oss_args: specifies whether to retain URL parameters in requests before they are redirected to origin servers. A value of on indicates that all URL parameters are retained in requests before they are redirected to origin servers. A value of off indicates that only the parameters in the hashkey_args are retained.

Feature	Parameter
https_tls_version: configures the TLS protocol.	tls10: configures TLS 1.0. Valid values: on and off. Default value: on. tls11: configures TLS 1.1. Valid values: on and off. Default value: on. tls12: configures TLS 1.2. Valid values: on and off. Default value: on. tls13: configures TLS 1.3. Valid values: on and off. Default value: off.
HSTS: configures HSTS.	enabled: specifies whether to enable this feature. This parameter is required. Valid values: on and off. Default value: off. https_hsts_max_age: specifies the validity period of the HSTS policy. This parameter is required. Unit: seconds. We recommend that you set the value to 5184000, which equals 60 days. https_hsts_include_subdomains: specifies whether the HSTS header contains the includeSubDomains parameter. Valid values: on and off. Use caution if you want to enable this feature. Make sure that HTTPS is enabled for all the subdomains of the domain name to be accelerated. Otherwise, the HTTPS URLs to which users are redirected from the subdomains become inaccessible.
filetype_force_ttl_code: specifies a time-to-live (TTL) value for HTTP status codes based on file types.	file_type: specifies the file type. You can specify one or more file types. Separate file types with commas (,), for example, TXT,JPG. This parameter is required. code_string: specifies the HTTP status codes. Separate status codes with commas (,). This parameter is required. Example: 302=0,301=0,4xx=2.
path_force_ttl_code: specifies a TTL value for HTTP status codes based on directories.	path: specifies a directory. It must start with a forward slash (/), for example, /image. This parameter is required. code_string: specifies the HTTP status codes. Separate status codes with commas (,). This parameter is required. Example: 302=0,301=0,4xx=2.
gzip: configures Gzip compression.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off.

Feature	Parameter
tesla: configures HTML optimization.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. trim_js: specifies whether to optimize the JavaScript code of HTML pages. Valid values: on and off. trim_css: specifies whether to optimize the CSS code of HTML pages. Valid values: on and off.
https_origin_sni: configures origin Server Name Indication (SNI) settings.	enabled: specifies whether to enable this feature. This parameter is required. Valid values: on and off. https_origin_sni: specifies the origin SNI settings. This parameter is required.
limit_rate: configures traffic throttling for individual requests.	ali_limit_rate: specifies the maximum amount of data that can be transferred per second after traffic throttling is triggered, such as 200 KB or 1 MB. Unit: byte/s. This parameter is required. ali_limit_rate_after: specifies the amount of data that can be sent before traffic throttling is triggered. Unit: byte/s. traffic_limit_arg: specifies the name of the URL parameter based on which traffic throttling is triggered. Example: rate. traffic_limit_unit: specifies the unit for traffic throttling. Valid values: k, m, and g. For example, when the ali_limit_rate_after parameter is set to 1, the maximum data transfer rate can be 1 MB/s, 1 KB/s, or 1 GB/s. ali_limit_start_hour: specifies the start time of traffic throttling. Valid values: 0 to 24. Default: 0. The start time must be earlier than the end time. ali_limit_end_hour: specifies the end time of traffic throttling. Valid values: 0 to 24. Default: 24. The end time must be later than the start time.
brotli: configures Brotli compression.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. brotli_level: specifies the compression level. Valid values: 1 to 11.

Feature	Parameter
ali_ua: configures a user agent whitelist or blacklist.	ua: specifies the user agents that you want to add to the list. type: specifies the type of the user agent list. Valid values: black and white.
set_l2_req_header: configures HTTP headers for requests that are sent to L2 CDN nodes.	set_l2_req_header is supported by version 1. We recommend that you use origin_request_header, which is supported by version 2 and provides more features. key: specifies the name of the header. value: specifies the value of the header. Enter null if you want to delete the header.
host_redirect: configures URL rewrite.	regex: specifies the URL to be rewritten, for example, ^/$. replacement: specifies the final URL, for example, /go/act/sale/tbzlsy.php. flag: Valid values are redirect and break.
forward_timeout: configures the timeout period for requests that are redirected to the origin server.	forward_timeout: specifies a time period, in seconds. We recommend that you set a value that is at most 100.
ali_video_split: configures audio extraction.	enabled: specifies whether to enable this feature. Valid values: on and off.
ipv6: configures IPv6.	switch: specifies whether to enable IPv6. on: enables IPv6. off: disables IPv6. This parameter is required. region: specifies the region where you want to enable IPv6. You can enter an asterisk (*) to specify all regions.

Feature	Parameter
ali_video_preview: configures video preview.	enable: specifies whether to enable this feature. Valid values: on and off. The video preview feature supports the TS and MP3 formats. For FLV and MP4 video files, visitors can advance and rewind videos. This parameter is required. ali_video_preview_argument: specifies the length of the videos that can be previewed by visitors. The parameter value must be measured in seconds. This parameter is required.
default_ttl_code: configures a TTL value for specified HTTP status codes.	default_ttl_code: specifies a TTL value for HTTP status codes. Unit: seconds. Separate status codes with commas (,). Example: 4xx=3,200=3600,5xx=1. This parameter is required.
back_to_origin_argument_rewrite: configures parameter rewrite.	Action priorities: Add > Delete > Reserve > Modify. Separate parameters with spaces. delete_argument: specifies the parameters to be deleted. save_argument: specifies the parameters to be retained. Only the specified parameters are retained. The Add and Delete rules take effect at the same time. ignore_all_argument: specifies whether to delete all parameters in requests that are redirected to the origin server. Valid values: on and off. However, parameters added by the Add action are reserved. add_argument: specifies parameters to be added. The Add action has the highest priority. modify_argument: specifies parameters to be modified. The Modify action has the lowest priority. Parameters specified by the Delete action are not retained.

Feature	Parameter
back_to_origin_url_rewrite: configures URL rewrite.	source_url: specifies the URL to be rewritten. This parameter is required. target_url: specifies the final URL. This parameter is required. flag: specifies an action. Valid values: null, break, and enhance_break. null: continues to apply subsequent rewrite rules after applying the current rule. break: stops applying subsequent rewrite rules after applying the current rule. enhance_break: applies the current rewrite rule to both the URL and its parameters, and then stops applying subsequent rules. This action is also effective on FLV streaming.
edge_function: configures scripts in EdgeScript.	rule: specifies DSL-based scripts. This parameter is required. pri: specifies the priority of the DSL script. This parameter is required. enable: specifies whether to enable the script. This parameter is required. Valid values: on and off. name: specifies the name of the script. pos: specifies whether to execute the script at the start or end of the request processing pipeline. brk: specifies that after the current script is matched, the subsequent scripts at the specified position are skipped. option: specifies extensions that are used to perform response header debugging. grammar: an extension used to specify the scripting language. Valid values: es2 and js. You can also leave this parameter empty. jsmode: an extension used to manage the domain name whitelist in JavaScript. Valid value: redirect and bypass.

Feature	Parameter
follow_302: configures 302 redirects.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. max_tries: specifies the maximum number of 302 redirects that can be performed. You can set the value to n+1. The value of n cannot be greater than 5. The default value is 3. In this case, the maximum number of redirects is three times (2+1=3).
aws_s3_bucket: specifies the Amazon Web Services (AWS) Simple Storage Service (S3) buckets that require authentication.	enable: specifies whether to enable this feature. Valid values: l2 and off. This parameter is required. bucketname: specifies the names of the AWS S3 buckets. accesskey: specifies the AWS access key ID. This parameter is required. secretkey: specifies the AWS secret access key. This parameter is required. region: specifies the Region where the AWS S3 bucket is deployed. This parameter is required.
origin_request_header: configures HTTP request headers.	header_operation_type: specifies the action to be performed on the request header. Valid values: add, delete, modify, and rewrite. add: adds a header. delete: deletes a header. modify: modifies a header. rewrite: rewrites a header. This parameter is required. header_name: specifies the name of the request header. This parameter is required. header_value: specifies the value of the request header. duplicate: specifies whether to allow duplicate request headers. Valid values: on and off. header_source: searches for the source of the request header. header_destination: replaces the request header. match_all: specifies whether to match all responses. Valid values: on and off.

Feature	Parameter
origin_response_header: configures HTTP response headers.	header_operation_type: specifies the action to be performed on the response header. This parameter is required. Valid values: add, delete, modify, and rewrite. add: adds a response header. delete: deletes a response header. modify: modifies a response header. rewrite: rewrites a response header. header_name: specifies the name of the response header. This parameter is required. header_value: specifies the value of the response header. duplicate: specifies whether to allow duplicate request headers. Valid values: on and off. header_source: searches for the source of the request header. header_destination: replaces the request header. match_all: specifies whether to match all responses. Valid values: on and off.

Response parameters

Parameter	Type	Example	Description
DomainConfigs	Array of DomainConfig		The configurations of the accelerated domain name.
DomainConfig			
ConfigId	String	6295	The ID of the configuration.
FunctionArgs	Array of FunctionArg		The description of each feature.
FunctionArg			
ArgName	String	auth_type	The name of the configuration.
ArgValue	String	req_auth	The value of the configuration.
FunctionName	String	aliauth	The name of the feature.

Parameter	Type	Example	Description
Status	String	success	The status of the configuration. Valid values: • **success**: The configuration has been applied. • **testing**: The configuration is under testing. • **failed**: The configuration failed. • **configuring**: The feature is being configured.
RequestId	String	C80705BF-0F76-41FA-BAD1-5B59296A4E59	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnDomainConfigs
&DomainName=example.com
&FunctionNames=aliauth
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnDomainConfigsResponse>
      <RequestId>C80705BF-0F76-41FA-BAD1-5B59296A4E59</RequestId>
      <DomainConfigs>
            <DomainConfig>
                  <Status>success</Status>
                  <FunctionArgs>
                        <FunctionArg>
                              <ArgName>auth_type</ArgName>
                              <ArgValue>req_auth</ArgValue>
                        </FunctionArg>
                        <FunctionArg>
                              <ArgName>ali_auth_dual</ArgName>
                              <ArgValue>on</ArgValue>
                        </FunctionArg>
                  </FunctionArgs>
                  <ConfigId>6295</ConfigId>
                  <FunctionName>aliauth</FunctionName>
            </DomainConfig>
      </DomainConfigs>
</DescribeCdnDomainConfigsResponse>
```

`JSON` format

```
{
    "RequestId": "C80705BF-0F76-41FA-BAD1-5B59296A4E59",
    "DomainConfigs": {
        "DomainConfig": [
            {
                "Status": "success",
                "FunctionArgs": {
                    "FunctionArg": [
                        {
                            "ArgName": "auth_type",
                            "ArgValue": "req_auth"
                        },
                        {
                            "ArgName": "ali_auth_dual",
                            "ArgValue": "on"
                        }
                    ]
                },
                "ConfigId": 6295,
                "FunctionName": "aliauth"
            }
        ]
    }
}
```

Error codes

HttpCode	Error code	Error message	Description
400	Invalid%s.ValueNotSupported	FunctionName [%s] is not supported.	The error message returned because the FunctionName parameter is set to an invalid value.

For a list of error codes, visit the API Error Center.

10.4.7. DeleteSpecificConfig

Deletes specified configurations for an accelerated domain name.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DeleteSpecificConfig	The operation that you want to perform. Set the value to **DeleteSpecificConfig**.
ConfigId	String	Yes	2317	The IDs of the configurations. You can call the DescribeCdnDomainConfigs operation to query the most recent configuration list. Separate configuration IDs with commas (,).
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DeleteSpecificConfig
&ConfigId=2317
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DeleteSpecificConfigResponse>
      <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</DeleteSpecificConfigResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	Invalid%s.ValueNotSupported	FunctionName [%s] is not supported.	The error message returned because the FunctionName parameter is set to an invalid value.
400	ConfigurationConflicts	The staging environment has a configuration in effect and cannot modify the production environment configuration.	The error message returned because the configurations of the staging environment are different from those of the production environment. You cannot directly modify the configurations of the production environment. Go to the staging environment to complete the configurations and publish the specified configurations to the production environment.

For a list of error codes, visit the API Error Center.

10.4.8. BatchDeleteCdnDomainConfig

Deletes configurations of multiple accelerated domain names at a time.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

> **Note**
> - The maximum number of times that each user can call this operation per second is 30.
> - The maximum number of domain names configured at a time is 50.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	BatchDeleteCdnDomainConfig	The operation that you want to perform. Set the value to **BatchDeleteCdnDomainConfig**.

Parameter	Type	Required	Example	Description
DomainNames	String	Yes	example.com,example.org	The accelerated domain names whose configurations you want to delete. Separate accelerated domain names with commas (,).
FunctionNames	String	Yes	referer_white_list_set,https_force	The features whose configurations you want to delete. Separate features with commas (,).

The following table describes the supported features.

Feature	Parameter
referer_white_list_set: configures a referer whitelist.	refer_domain_allow_list: specifies the referers to be added to the whitelist. Separate referers with commas (,). allow_empty: specifies whether requests with an empty referer header are allowed to access CDN resources. Valid values: on and off.
referer_black_list_set: configures a referer blacklist.	refer_domain_deny_list: specifies the referers to be added to the blacklist. Separate referers with commas (,). allow_empty: specifies whether requests with an empty referer header are allowed to access CDN resources. Valid values: on and off.
filetype_based_ttl_set: sets a time-to-live (TTL) value for specified file types.	ttl: specifies the time period after which the cached resources expire. Unit: seconds. file_type: specifies the file types. Separate file types with commas (,), for example, TXT,JPG. weight: specifies the weight of the expiration rule. Maximum value: 99. Minimum value: 1. A greater value indicates a higher priority.
path_based_ttl_set: sets a TTL value for a specified directory.	ttl: specifies the period of time after which the cached resources expire. Unit: seconds. path: specifies a directory. It must start with a forward slash (/). weight: specifies the weight of the expiration rule. Maximum value: 99. Minimum value: 1. A greater value indicates a higher priority.

Feature	Parameter
oss_auth: configures authentication for requests destined for an Object Storage Service (OSS) bucket.	oss_bucket_id: specifies the endpoint of the OSS bucket.
ip_black_list_set: configures an IP blacklist.	ip_list: specifies the IP addresses to be added to the blacklist. Separate IP addresses with commas (,).
ip_allow_list_set: configures an IP whitelist.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).
ip_white_list_set: configures an IP whitelist for rate limiting.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).
error_page: redirects requests to a specified error page.	error_code: specifies the HTTP status code. rewrite_page: specifies the error page to which requests are redirected when the specified HTTP status code occurs.
set_req_host_header: configures custom headers for requests that are redirected to the origin server.	domain_name: specifies a domain name that is used as the origin host.
set_hashkey_args: retains specified URL parameters.	hashkey_args: specifies the URL parameters to be retained. Separate parameters with commas (,). You can specify up to 10 parameters to be retained. disable: specifies whether all parameters are ignored. A value of on indicates that all URL parameters are ignored. A value of off indicates that all URL parameters are retained. The hashkey_args setting has a higher priority. Even if you have set this parameter to on, the parameters specified by hashkey_args are retained. keep_oss_args: specifies whether to retain URL parameters in requests before they are redirected to origin servers. A value of on indicates that all parameters are retained during back-to-origin routing. A value of off indicates that only the parameters specified by hashkey_args are retained.

Feature	Parameter
aliauth: configures Alibaba Cloud authentication.	auth_type: specifies the authentication type. no_auth: disables authentication. type_a: enables type A signing. type_b: enables type B signing. type_c: enables type C signing. auth_key1: specifies the primary cryptographic key. auth_key2: specifies the secondary cryptographic key. ali_auth_delta: customizes the buffer time for authentication.
set_resp_header: configures an HTTP response header. To verify the setting, you can check responses in a browser.	key: specifies the response header. This parameter is required. value: specifies the value of the response header. This parameter is required. Enter null if you want to delete the header. header_operation_type: specifies the action to be performed on the request header. add: adds the request header. delete: deletes the request header. modify: modifies the request header. rewrite: rewrites the request header. duplicate: specifies whether duplicate request headers are allowed. Valid values: on and off. header_source: searches for the source of the request header. header_destination: replaces the request header. match_all: specifies whether to match all requests. Valid values: on and off.
https_force: redirects requests from HTTP to HTTPS.	enable: specifies whether to enable this feature. Valid values: on and off.
https_force: redirects requests from HTTPS to HTTP.	enable: specifies whether to enable this feature. Valid values: on and off.
https_option: sets basic HTTPS parameters.	http2: specifies whether to enable HTTP/2. Valid values: on and off. ocsp_stapling: specifies whether to enable Online Certificate Status Protocol (OCSP) stapling. Valid values: on and off.

Feature	Parameter
forward_scheme: configures the static origin protocol policy.	enable: specifies whether to enable this feature. Valid values: on and off. scheme_origin: specifies the origin protocol policy. Valid values: http, https, and follow.
set_req_header: configures an HTTP request header for requests that are redirected to the origin server.	set_req_header is supported by version 1. We recommend that you use origin_request_header, which is supported by version 2 and provides more features. key: specifies the name of the request header. value: specifies the value of the request header.
l2_oss_key: retrieves content from private OSS buckets.	private_oss_auth: specifies whether to enable this feature. Valid values: on and off.
range: configures object chunking.	enable: specifies whether to enable this feature. Valid values: on, off, and force.
video_seek: configures video seeking.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. flv_seek_by_time: specifies whether to enable Flash Video (FLV) seeking by time. Valid values: on and off. mp4_seek_start: customizes MP4 video start parameters. mp4_seek_end: customizes MP4 video end parameters. flv_seek_start: customizes FLV video start parameters. flv_seek_end: customizes FLV video end parameters.

Feature	Parameter
ali_remove_args: deletes URL parameters.	ali_remove_args: specifies the parameters to be deleted. The remaining parameters are used as the URL parameters in hashkey_args. Separate parameters with spaces. The ali_remove_args parameter is required. keep_oss_args: specifies whether to retain URL parameters in requests before they are redirected to origin servers. A value of on indicates that all parameters are retained during back-to-origin routing. A value of off indicates that only the parameters specified by hashkey_args are retained.
https_tls_version: specifies the TLS version.	tls10: specifies whether to enable TLSv1.0. Default value: on. A value of on indicates that TLSv1.0 is enabled. A value of off indicates that TLSv1.0 is disabled. tls11: specifies whether to enable TLSv1.1. Default value: on. A value of on indicates that TLSv1.1 is enabled. A value of off indicates that TLSv1.1 is disabled. tls12: specifies whether to enable TLSv1.2. Default value: on. A value of on indicates that TLSv1.2 is enabled. A value of off indicates that TLSv1.2 is disabled. tls13: specifies whether to enable TLSv1.3. Default value: on. A value of on indicates that TLSv1.3 is enabled. A value of off indicates that TLSv1.3 is disabled.
HSTS: configures HTTP Strict Transport Security (HSTS).	enabled: specifies whether to enable this feature. This parameter is required. Valid values: on and off. Default value: off. https_hsts_max_age: specifies the validity period of the HSTS policy. This parameter is required. Unit: seconds. We recommend that you set the value to **5184000**, which equals 60 days. https_hsts_include_subdomains: specifies whether the HSTS header includes the includeSubDomains parameter. Valid values: on and off. Proceed with caution when you enable this feature. Make sure that HTTPS is enabled for all the subdomains of the accelerated domain name. Otherwise, the HTTPS URLs to which requests are redirected from the subdomains become inaccessible.

Feature	Parameter
filetype_force_ttl_code: specifies a time-to-live (TTL) value for HTTP status codes based on file types.	file_type: specifies the file types. You can specify one or more file types. Separate file types with commas (,), for example, TXT,JPG. This parameter is required. code_string: specifies the HTTP status codes. Separate status codes with commas (,). This parameter is required. Example: 302=0,301=0,4xx=2.
path_force_ttl_code: specifies a TTL value for HTTP status codes based on directories.	path: specifies a directory. It must start with a forward slash (/), for example, /image. This parameter is required. code_string: specifies the HTTP status codes. Separate status codes with commas (,). This parameter is required. Example: 302=0,301=0,4xx=2.
gzip: configures Gzip compression.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off.
tesla: configures HTML optimization.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. trim_js: specifies whether to trim JavaScript code of HTML pages. Valid values: on and off. trim_css: specifies whether to trim CSS code of HTML pages. Valid values: on and off.
https_origin_sni: configures origin Server Name Indication (SNI) settings.	enabled: specifies whether to enable this feature. This parameter is required. Valid values: on and off. https_origin_sni: specifies the origin SNI settings. This parameter is required.

Feature	Parameter
limit_rate: configures traffic throttling for individual requests.	ali_limit_rate: specifies the maximum amount of data that can be transmitted per second after traffic throttling is triggered, such as 200 KB or 1 MB. Unit: byte/s. This parameter is required. ali_limit_rate_after: specifies the maximum amount of data that can be transmitted before traffic throttling is triggered. Unit: byte/s. traffic_limit_arg: specifies the name of the URL parameter based on which traffic throttling is triggered. Example: rate. traffic_limit_unit: specifies the unit for traffic throttling. Valid values: k, m, and g. For example, when the ali_limit_rate_after parameter is set to 1, the maximum data transfer rate can be 1 MB/s, 1 KB/s, or 1 GB/s. ali_limit_start_hour: specifies the start time of traffic throttling. Valid values: 0 to 24. Default: 0. The start time must be earlier than the end time. ali_limit_end_hour: specifies the end time of traffic throttling. Valid values: 0 to 24. Default: 24. The end time must be later than the start time.
brotli: configures Brotli compression.	enable: specifies whether to enable the feature. This parameter is required. Valid values: on and off. brotli_level: specifies the compression level. Valid values: 1 to 11.
ali_ua: configures a user agent whitelist or blacklist.	ua: specifies the user agents that you want to add to the list. type: the type of the list. A value of black indicates a blacklist. A value of white indicates a whitelist.
set_l2_req_header: configures HTTP headers for requests that are sent to L2 CDN edge nodes.	set_l2_req_header is supported by version 1. We recommend that you use origin_request_header, which is supported by version 2 and provides more features. key: specifies the name of the header. value: specifies the value of the header. Enter null if you want to delete the header.

Feature	Parameter
host_redirect: configures URL rewrite.	regex: specifies the URL to be rewritten, for example, ^/$. replacement: specifies the final URL, for example, /go/act/sale/tbzlsy.php. flag: specifies the flag of the rewrite rule, such as redirect and break.
forward_timeout: configures the timeout period for requests that are redirected to the origin server.	forward_timeout: specifies a time period, in seconds. We recommend that you set a value that is not greater than 100.
ali_video_split: configures audio extraction.	enabled: specifies whether to enable this feature. Valid values: on and off.
ipv6: configures IPv6.	switch: specifies whether to enable IPv6. A value of on enables IPv6. A value of off disables IPv6. This parameter is required. region: specifies the region where you want to enable IPv6. You can enter an asterisk (*) to specify all regions.
ali_video_preview: configures video preview.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. The video preview feature supports the TS and MP3 formats. For FLV and MP4 video files, visitors can advance and rewind videos. ali_video_preview_argument: specifies the length of the videos that can be previewed by visitors. The parameter value must be measured in seconds. This parameter is required.
default_ttl_code: sets a TTL value for specified HTTP status codes.	default_ttl_code: specifies a TTL value for HTTP status codes. Unit: seconds. Example: 4xx=3, 200=3600, and 5xx=1. Separate HTTP status codes with commas (,). This parameter is required.

Feature	Parameter
back_to_origin_argument_rewrite: configures parameter rewrite.	Action priorities: Add > Delete > Reserve > Modify. Separate parameters with spaces. delete_argument: specifies the parameters to be deleted. save_argument: specifies the parameters to be retained. Only the specified parameters are retained. The Add and Delete rules take effect at the same time. ignore_all_argument: specifies whether to delete all parameters in requests that are redirected to the origin server. Valid values: on and off. However, parameters added by the Add action are reserved. add_argument: specifies parameters to be added. The Add action has the highest priority. modify_argument: specifies parameters to be modified. The Modify action has the lowest priority. Parameters specified by the Delete action are not retained.
back_to_origin_url_rewrite: configures URL rewrite.	source_url: specifies the URL to be rewritten. This parameter is required. target_url: specifies the final URL. This parameter is required. flag: specifies the flag of the rewrite rule. none: If multiple rules are configured, and the current rule is matched, the system continues to match the request against the other rules. break: If multiple rules are configured, and the current rule is matched, the other rules are skipped. Only the URI is written. The URL parameters remain unchanged. enhance_break: This flag is similar to break, but also writes the URL parameters and takes effect for FLV live streaming.

Feature	Parameter
edge_function: configures EdgeScript.	Required parameters: rule: specifies the content of the script. pri: specifies the priority of the script. Valid values: 0 to 999. A value of 0 indicates the highest priority. A value of 999 indicates the lowest priority. The script that is executed at the head of the request processing pipeline and the script that is executed at the foot of the request processing pipeline are mutually exclusive. enable: specifies whether to enable the script. Valid values: on and off. Optional parameters: name: specifies the name of the script. The name can contain letters, digits, and underscores (_). pos: specifies the position where the script is executed. head: specifies that the script is executed at the head of the request processing pipeline. foot: specifies that the script is executed at the foot of the request processing pipeline. Default value: head. brk: specifies whether to skip other scripts. on: If the current script is executed, other scripts are skipped. off: If the current script is executed, the system continues to match the request against the other scripts. This is the default value. option: specifies extensions. Only _es_dbg=signature is supported, which enables debugging. grammar: specifies the syntax of the script. es2: specifies that the script uses the es2 syntax, which is the EdgeScript syntax. This is the default value. js: specifies that the script uses the JavaScript syntax. jsmode: specifies the JavaScript action. Valid values are redirect and bypass. redirect is the default value, which blocks requests. bypass allows requests to bypass.
follow_302: configures 302 redirection.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. max_tries: specifies the maximum number of 302 redirects that can be performed. You can set the value to n+1. The value of n cannot be greater than 5. The default value is 3. In this case, the maximum number of redirects is three times (2+1=3).

Feature	Parameter
aws_s3_bucket: specifies the Amazon Web Services (AWS) Simple Storage Service (S3) buckets that require authentication.	enabled: specifies whether to enable this feature. Valid values: l2 and off. This parameter is required. bucketname: specifies the names of the AWS S3 buckets. accesskey: specifies the AWS access key ID. This parameter is required. secretkey: specifies the AWS access key secret. This parameter is required. region: specifies the Region where the AWS S3 bucket is deployed. This parameter is required.
origin_request_header: configures HTTP request headers.	header_operation_type: specifies the action to be performed on the request header. This parameter is required. add: adds the request header. delete: deletes the request header. modify: modifies the request header. rewrite: rewrites the request header. header_name: specifies the name of the request header. This parameter is required. header_value: specifies the value of the request header. duplicate: specifies whether duplicate request headers are allowed. Valid values: on and off. header_source: searches for the source of the request header. header_destination: replaces the request header. match_all: specifies whether to match all requests. Valid values: on and off.

Feature	Parameter
origin_response_header: configures HTTP response headers.	header_operation_type: specifies the action to be performed on the response header. This parameter is required. add: adds the response header. delete: deletes the response header. modify: modifies the response header. rewrite: rewrites the response header. header_name: specifies the name of the response header. This parameter is required. header_value: specifies the value of the response header. duplicate: specifies whether duplicate response headers are allowed. Valid values: on and off. header_source: searches for the source of the response header. header_destination: replaces the response header. match_all: specifies whether to match all responses. Valid values: on and off.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=BatchDeleteCdnDomainConfig
&DomainNames=example.com,example.org
&FunctionNames=referer_white_list_set,https_force
&<Common request parameters>
```

Sample success responses

`XML` format

```
<BatchDeleteCdnDomainConfigResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</BatchDeleteCdnDomainConfigResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	Invalid%s.ValueNotSupported	FunctionName [%s] is not supported.	The error message returned because the FunctionName parameter is set to an invalid value.
400	DeleteFunctionFailed	Batch delete functions failed.	The error message returned because the system failed to delete the configurations of the specified accelerated domain names.

For a list of error codes, visit the API Error Center.

10.4.9. BatchUpdateCdnDomain

Updates the configurations of multiple accelerated domain names at a time.

> **Note**
> - The maximum number of times that each user can call this operation per second is 30.
> - You can specify multiple domain names (no more than 50) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	BatchUpdateCdnDomain	The operation that you want to perform. Set the value to **BatchUpdateCdnDomain**.

Parameter	Type	Required	Example	Description
DomainName	String	Yes	example.com,example.org	The accelerated domain names. You can specify one or more accelerated domain names. Separate domain names with commas (,).
Sources	String	No	[{"content":"10.10.10.10","type":"ipaddr","priority":"20","port":80,"weight":"15"}]	The information about the origin address. **Note** Do not set **Sources** and **TopLevelDomain** at the same time. If you set **Sources** and **TopLevelDomain** at the same time, **TopLevelDomain** does not take effect.
ResourceGroupId	String	No	rg-acfmyuji4b6r4**	The ID of the resource group.
TopLevelDomain	String	No	example.com	The top-level domain name. **Note** Do not set **Sources** and **TopLevelDomain** at the same time. If you set **Sources** and **TopLevelDomain** at the same time, **TopLevelDomain** does not take effect.

The following table describes the fields in the Sources parameter.

Field	Type	Required	Description

Field	Type	Required	Description
type	String	Yes	The type of the origin server. Valid values: ipaddr: The origin server uses an IP address domain: The origin server uses a domain name. oss: The origin server uses an Object Storage Service (OSS) bucket. fc_domain: The origin server uses a Function Compute domain name.
content	String	Yes	The address of the origin server. You can specify an IP address or a domain name.
port	Integer	No	The port. You can specify port 80, port 443, or a custom port. Default value: 80. If you specify port 443, Alibaba Cloud CDN communicates with the origin server over HTTPS.
priority	String	No	The priority of the origin server if multiple origin servers are specified. Valid values: 20 and 30. Default value: 20. A value of 20 specifies that the origin is a primary origin. A value of 30 specifies that the origin is a secondary origin.

Field	Type	Required	Description
weight	String	No	The weight of the origin server if multiple origin servers are specified. You must specify a value smaller than 100. Default value: 10.

Response parameters

Parameter	Type	Example	Description
RequestId	String	15C66C7B-671A-4297-9187-2C4477247A74	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.co/?Action=BatchUpdateCdnDomain
&DomainName=example.com,example.org
&Sources=[{"content":"10.10.10.10","type":"ipaddr","priority":"20","port":80}]
&<Common request parameters>
```

Sample success responses

`XML` format

```
<BatchUpdateCdnDomainResponse>
      <RequestId>15C66C7B-671A-4297-9187-2C4477247A74</RequestId>
</BatchUpdateCdnDomainResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	InvalidDomainName.Malformed	The specified DomainName is invalid.	The error message returned because the format of the domain name is invalid.

HttpCode	Error code	Error message	Description
400	InvalidSource.Content.Malformed	The specified Source Content is invalid.	The error message returned because the Sources parameter is set in an invalid format.
400	InvalidSources.Malformed	Specified Sources is malformed.	The error message returned because the Sources parameter is set in an invalid format.
400	EntityNotExists.ResourceGroup	The resource group does not exist.	The error message returned because the specified resource group does not exist.

For a list of error codes, visit the API Error Center.

10.4.10. DescribeCdnUserDomainsByFunc

Queries all accelerated domain names under your Alibaba Cloud account and their status.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnUserDomainsByFunc	The operation that you want to perform. Set the value to **DescribeCdnUserDomainsByFunc**.
FuncId	Integer	Yes	7	The ID of the feature, which can be queried by calling BatchSetCdnDomainConfig. For example, the ID of the feature that sets an expiration time for paths is 7.
PageNumber	Integer	No	10	The number of the page to return. Default value: **1**. Valid values: **1** to **100000**.

Parameter	Type	Required	Example	Description
PageSize	Integer	No	20	The number of entries to return on each page. Default value: **20**. Valid values: **1** to **50**.
ResourceGroupId	String	No	rg-xxxxx	The ID of the resource group.

Response parameters

Parameter	Type	Example	Description
Domains	Array of PageData		The type of the data returned.
PageData			
CdnType	String	web	The type of workload accelerated by Alibaba Cloud Content Delivery Network (CDN). Valid values: • **web**: image and small file delivery. • **download**: large file delivery. • **video**: on-demand video and audio streaming. • **liveStream**: live streaming.
Cname	String	example.com.w.alikunlun.com	The canonical name (CNAME) assigned to the accelerated domain name.
Description	String	audit failed	The description of the status.
DomainName	String	example.com	The accelerated domain name.

Parameter	Type	Example	Description
DomainStatus	String	configure_failed	The status of the accelerated domain name. Valid values: • **online**: The domain name is enabled. • **offline**: The domain name is disabled. • **configuring**: The domain name is being configured. • **configure_failed**: The domain name failed to be configured. • **checking**: The domain name is under review. • **check_failed**: The domain name failed the review. • **deleting**: The domain name is being deleted. • **stopping**: The domain name is disabled.
GmtCreated	String	2015-10-28T11:05:52Z	The time when the accelerated domain name was added to Alibaba Cloud CDN.
GmtModified	String	2015-10-29T10:15:31Z	The last time when the accelerated domain name was modified.
ResourceGroupId	String	rg-xxxxx	The ID of the resource group.
Sandbox	String	normal	Indicates whether the accelerated domain name is in a sandbox.
Sources	Array of Source		The information about the origin server.
Source			
Content	String	1.1.1.1	The address of the origin server.
Port	Integer	80	The port of the origin server.
Priority	String	20	The priority of the origin server if multiple origin servers are specified.
Type	String	ipaddr	The type of the origin server.

Parameter	Type	Example	Description
Weight	String	10	The weight of the origin server if multiple origin servers are specified.
SslProtocol	String	on	The status of HTTPS. Valid values: • **on**: enabled • **off**: disabled
PageNumber	Long	1	The number of the returned page.
PageSize	Long	5	The number of entries returned per page.
RequestId	String	AA75AADB-5E25-4970-B480-EAA1F5658483	The ID of the request.
TotalCount	Long	16	The total number of entries returned.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com? Action=DescribeCdnUserDomainsByFunc
&FuncId=7
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnUserDomainsByFuncResponse>
  <PageNumber>1</PageNumber>
  <TotalCount>16</TotalCount>
  <PageSize>5</PageSize>
  <RequestId>AA75AADB-5E25-4970-B480-EAA1F5658483</RequestId>
  <Domains>
        <PageData>
              <CdnType>download</CdnType>
              <DomainStatus>configure_failed</DomainStatus>
              <DomainName>example.com</DomainName>
              <GmtModified>2015-10-28T11:05:52Z</GmtModified>
              <GmtCreated>2015-10-28T09:32:51Z</GmtCreated>
              <Description>audit failed</Description>
              <ResourceGroupId>rg-xxxxx</ResourceGroupId>
              <Sources>
                    <Source>
                          <Type>ipaddr</Type>
                          <Content>39.100.101.220</Content>
                          <Priority>20</Priority>
                          <Port>80</Port>
                          <Weight>10</Weight>
                    </Source>
              </Sources>
        </PageData>
        <PageData>
              <CdnType>web</CdnType>
              <DomainStatus>configure_failed</DomainStatus>
              <DomainName>example.org</DomainName>
              <GmtModified>2015-10-28T11:05:50Z</GmtModified>
              <GmtCreated>2015-10-28T09:31:59Z</GmtCreated>
              <ResourceGroupId>rg-xxxxx</ResourceGroupId>
        </PageData>
        <PageData>
              <Cname>example.com.w.alikunlun.com</Cname>
              <CdnType>video</CdnType>
              <DomainStatus>online</DomainStatus>
              <DomainName>example.edu</DomainName>
              <GmtModified>2015-10-23T09:02:11Z</GmtModified>
              <GmtCreated>2015-10-23T09:01:57Z</GmtCreated>
              <ResourceGroupId>rg-xxxxx</ResourceGroupId>
        </PageData>
  </Domains>
</DescribeCdnUserDomainsByFuncResponse>
```


`JSON` format

```
{
   "PageNumber": 1,
   "TotalCount": 16,
   "PageSize": 5,
   "RequestId": "AA75AADB-5E25-4970-B480-EAA1F5658483",
   "Domains": {
     "PageData": [
       {
         "CdnType": "download",
         "DomainStatus": "configure_failed",
         "DomainName": "example.com",
         "GmtModified": "2015-10-28T11:05:52Z",
         "GmtCreated": "2015-10-28T09:32:51Z",
         "Description": "audit failed",
         "ResourceGroupId":"rg-xxxxx",
        "Sources": {
                    "Source": [
                        {
                            "Type": "ipaddr",
                            "Content": "1.1.1.1",
                            "Priority": 20,
                            "Port": 80,
                            "Weight": 10
                        }
                    ]
               }
       },
       {
         "CdnType": "web",
         "DomainStatus": "configure_failed",
         "DomainName": "aliyundoc.com",
         "GmtModified": "2015-10-28T11:05:50Z",
         "GmtCreated": "2015-10-28T09:31:59Z",
         "ResourceGroupId":"rg-xxxxx"
       },
       {
         "Cname": "example.com.w.alikunlun.com",
         "CdnType": "video",
         "DomainStatus": "online",
         "DomainName": "example.edu",
         "GmtModified": "2015-10-23T09:02:11Z",
         "GmtCreated": "2015-10-23T09:01:57Z",
         "ResourceGroupId":"rg-xxxxx"
       }
     ]
   }
 }
```


Error codes

For a list of error codes, visit the API Error Center.

10.4.11. ModifyCdnDomainSchdmByProperty

Modifies the accelerated region for an accelerated domain name.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ModifyCdnDomainSchdmByProperty	The operation that you want to perform. Set the value to **ModifyCdnDomainSchdmByProperty**.
DomainName	String	Yes	example.com	The accelerated domain name for which you want to change the accelerated region. You can specify only one domain name.
Property	String	Yes	null	The accelerated region. Valid values of the coverage parameter in {"coverage":"overseas"}: • **domestic**: mainland China only. • **overseas**: global (excluding mainland China). • **global**: global

Response parameters

Parameter	Type	Example	Description
RequestId	String	15C66C7B-671A-4297-9187-2C4477247A74	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=ModifyCdnDomainSchdmByProperty
&DomainName=example.com
&Property={"coverage":"overseas"}
&<Common request parameters>
```

Sample success responses

`XML` format

```
<ModifyCdnDomainSchdmByPropertyResponse>
      <RequestId>15C66C7B-671A-4297-9187-2C4477247A74</RequestId>
</ModifyCdnDomainSchdmByPropertyResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

10.5. Domain name simulation environment configuration

10.5.1. DescribeCdnDomainStagingConfig

Queries the configurations of multiple features in the staging environment.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnDomainStagingConfig	The operation that you want to perform. Set the value to **DescribeCdnDomainStagingConfig**.

Parameter	Type	Required	Example	Description
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name in each call.
FunctionNames	String	Yes	aliauth	The list of feature names, which can be queried by calling BatchSetCdnDomainConfig. Separate feature names with commas (,).

Response parameters

Parameter	Type	Example	Description
DomainConfigs	Array of DomainConfig		The configurations of the accelerated domain name.
ConfigId	String	6xx5	The ID of the configuration.
FunctionArgs	Array of FunctionArg		The description of each feature.
ArgName	String	auth_type	The name of the configuration.
ArgValue	String	req_auth	The value of the configuration.
FunctionName	String	aliauth	The name of the feature.
Status	String	success	The status of the configuration. Valid values: • **testing**: being verified • **configuring**: being configured • **success**: configured • **failed**: failed
RequestId	String	C80705BF-0F76-41FA-BAD1-5B59296A4E59	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeCdnDomainStagingConfig
&DomainName=example.com
&FunctionNames=aliauth
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnDomainStagingConfigResponse>
      <RequestId>C80705BF-0F76-41FA-BAD1-5B59296A4E59</RequestId>
      <DomainConfigs>
            <Status>success</Status>
            <FunctionArgs>
                  <ArgName>auth_type</ArgName>
                  <ArgName>ali_auth_dual</ArgName>
                  <ArgValue>req_auth</ArgValue>
                  <ArgValue>on</ArgValue>
            </FunctionArgs>
            <ConfigId>6xx5</ConfigId>
            <FunctionName>aliauth</FunctionName>
      </DomainConfigs>
</DescribeCdnDomainStagingConfigResponse>
```

`JSON` format

```
{
    "RequestId": "C80705BF-0F76-41FA-BAD1-5B59296A4E59",
    "DomainConfigs": {
        "Status": "success",
        "FunctionArgs": {
            "ArgName": [
                "auth_type",
                "ali_auth_dual"
                 ],
                "ArgValue": [
                    "req_auth",
                    "on"
                ]
            },
         "ConfigId": "6xx5",
         "FunctionName": "aliauth"
        }
}
```

Error codes

HttpCode	Error code	Error message	Description

HttpCode	Error code	Error message	Description
400	Invalid%s.ValueNotSupported	FunctionName [%s] is not supported.	The error message returned because the FunctionName parameter is set to an invalid value.

For a list of error codes, visit the API Error Center.

10.5.2. SetCdnDomainStagingConfig

Configures a domain name to be accelerated in the staging environment.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	SetCdnDomainStagingConfig	The operation that you want to perform. Set the value to **SetCdnDomainStagingConfig**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
Functions	String	Yes	[{"functionArgs": [{"argName":"enable","argValue":"on"}, {"argName":"pri","argValue":"1"}, {"argName":"rule","argValue":"xxx"}],"functionName":"edge_function"}]	The features that you want to configure, which can be queried by calling BatchSetCdnDomainConfig. Format: `[{"functionArgs": [{"argName":"Parameter key","argValue":"Parameter value"}, {"argName":"xx","argValue":"xx"}],"functionName": Feature name"}]` Separate parameters with commas (,).

Descriptions of functions

Some features, such as EdgeScript functions (edge_function), support more than one configuration record. To update one of the configuration records, set the ConfigId parameter to specify the record.

```
[{"functionArgs":[{"argName":"enable","argValue":"on"},{"argName":"pri","argValue":"1"},{"argName":"rule","argValue":"yyy"}],"ConfigId":123456,"functionName":"edge_function"}]
```

Note: Specify parameter values in a string.

Feature	Parameter
referer_white_list_set: configures a referer whitelist.	refer_domain_allow_list: specifies the referers to be added to the whitelist. Separate referers with commas (,). allow_empty: specifies whether requests with an empty referer header are allowed to access CDN resources. Valid values: on and off.
referer_black_list_set: configures a referer blacklist.	refer_domain_deny_list: specifies the referers to be added to the blacklist. Separate referers with commas (,). allow_empty: specifies whether requests with an empty referer header are allowed to access CDN resources. Valid values: on and off.
filetype_based_ttl_set: sets a time-to-live (TTL) value for specified file types.	ttl: specifies the time period after which the cached resources expire. Unit: seconds. file_type: specifies the file types. Separate file types with commas (,), for example, TXT,JPG. weight: specifies the weight. Maximum value: 99. Minimum value: 1. A greater value indicates a higher priority.
path_based_ttl_set: sets an expiration rule for specified directories.	ttl: specifies the period of time after which the cached resources expire. Unit: seconds. path: specifies a directory. It must start with a forward slash (/). weight: the weight of the directory expiration. Maximum value: 99. Minimum value: 1. A greater value indicates a higher priority.
oss_auth: configures authentication for requests destined for an Object Storage Service (OSS) bucket.	oss_bucket_id: specifies the endpoint of the OSS bucket.

Feature	Parameter
ip_black_list_set: configures an IP blacklist.	ip_list: specifies the IP addresses to be added to the blacklist. Separate IP addresses with commas (,).
ip_allow_list_set: configures an IP whitelist.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).
ip_white_list_set: configures an IP whitelist for rate limiting.	ip_list: specifies the IP addresses to be added to the whitelist. Separate IP addresses with commas (,).
error_page: redirects requests to a specified error page.	error_code: specifies the HTTP status code. rewrite_page: specifies the error page to which requests are redirected when the specified HTTP status code occurs.
set_req_host_header: configures custom headers for requests that are redirected to the origin server.	domain_name: specifies a domain name that is used as the origin host.
set_hashkey_args: retains specified URL parameters.	hashkey_args: specifies the URL parameters to be retained. Separate multiple parameters with commas (,). You can specify up to 10 parameters to be retained. disable: A value of on indicates that all URL parameters are deleted. A value of off indicates that all URL parameters are retained. The hashkey_args setting has a higher priority. Even if you have set this parameter to on, the parameters specified in hashkey_args are retained. keep_oss_args: specifies whether to retain all URL parameters in requests before they are redirected to origin servers. A value of on indicates that all URL parameters are retained in requests before they are redirected to origin servers. A value of off indicates that only the parameters specified in hashkey_args are retained.

Feature	Parameter
aliauth: configures Alibaba Cloud authentication.	auth_type: specifies the authentication type. no_auth: disables authentication. type_a: enables type A signing. type_b: enables type B signing. type_c: enables type C signing. auth_key1: specifies the primary cryptographic key. auth_key2: specifies the secondary cryptographic key. ali_auth_delta: customizes the buffer time for authentication.
set_resp_header: configures an HTTP response header. To verify the setting, you can check responses in a browser.	key: specifies the response header. This parameter is required. value: specifies the value of the response header. This parameter is required. Enter null if you want to delete the header. header_operation_type: specifies the action to be performed on a request header. Valid values: add, delete, modify, and rewrite. add: adds a request header. delete: deletes a request header. modify: modifies a request header. rewrite: replaces a request header. duplicate: specifies whether duplicate response headers are allowed. Valid values: on and off. header_source: searches for the source of the request header. header_destination: replaces the request header. match_all: specifies whether to match all requests. Valid values: on and off.
https_force: redirects requests from HTTP to HTTPS.	enable: specifies whether to enable this feature. Valid values: on and off.
https_force: redirects requests from HTTPS to HTTP.	enable: specifies whether to enable this feature. Valid values: on and off.

Feature	Parameter
https_option: sets basic HTTPS parameters.	http2: specifies whether to enable HTTP/2. Valid values: on and off. ocsp_stapling: specifies whether to enable Online Certificate Status Protocol (OCSP) stapling. Valid values: on and off.
forward_scheme: configures the static origin protocol policy.	enable: specifies whether to enable this feature. Valid values: on and off. scheme_origin: specifies the origin protocol policy. Valid values: http, https, and follow.
set_req_header: configures an HTTP header for requests that are redirected to the origin server.	set_req_header is supported by version 1. We recommend that you use origin_request_header, which is supported by version 2 and provides more features. key: specifies the name of the request header. value: specifies the value of the request header.
l2_oss_key: retrieves content from private OSS buckets.	private_oss_auth: specifies whether to enable this feature. Valid values: on and off.
range: configures object chunking to retrieve content from the origin server based on HTTP range requests.	enable: specifies whether to enable this feature. Valid values: on, off, and force.
video_seek: configures video seeking.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. flv_seek_by_time: specifies whether to enable Flash Video (FLV) seeking by time. Valid values: on and off. mp4_seek_start: customizes MP4 video start parameters. mp4_seek_end: customizes MP4 video end parameters. flv_seek_start: customizes FLV video start parameters. flv_seek_end: customizes FLV video end parameters.

Feature	Parameter
ali_remove_args: deletes URL parameters.	ali_remove_args: specifies the parameters to be deleted. The remaining parameters are used as the URL parameters in hashkey_args. Separate multiple parameters with spaces. The ali_remove_args parameter is required. keep_oss_args: specifies whether to retain URL parameters in requests before they are redirected to origin servers. A value of on indicates that all URL parameters are retained in requests before they are redirected to origin servers. A value of off indicates that only the parameters in the hashkey_args are retained.
https_tls_version: configures the TLS protocol.	tls10: configures TLS 1.0. Valid values: on and off. Default value: on. tls11: configures TLS 1.1. Valid values: on and off. Default value: on. tls12: configures TLS 1.2. Valid values: on and off. Default value: on. tls13: configures TLS 1.3. Valid values: on and off. Default value: off.
HSTS: configures HSTS.	enabled: specifies whether to enable this feature. This parameter is required. Valid values: on and off. Default value: off. https_hsts_max_age: specifies the validity period of the HSTS policy. This parameter is required. Unit: seconds. We recommend that you set the value to 5184000. This value equals 60 days. https_hsts_include_subdomains: specifies whether the HSTS header contains the includeSubDomains parameter. Valid values: on and off. Proceed with caution when you enable this feature. Make sure that HTTPS is enabled for all the subdomains of the accelerated domain name. Otherwise, the HTTPS URLs to which requests are redirected from the subdomains become inaccessible.

Feature	Parameter
filetype_force_ttl_code: specifies a time-to-live (TTL) value for HTTP status codes based on file types.	file_type: specifies the file types. You can specify one or more file types. Separate file types with commas (,), for example, TXT,JPG. This parameter is required. code_string: specifies the HTTP status codes. Separate status codes with commas (,). This parameter is required. Example: 302=0,301=0,4xx=2.
path_force_ttl_code: specifies a TTL value for HTTP status codes based on directories.	path: specifies a directory. It must start with a forward slash (/), for example, /image. This parameter is required. code_string: specifies the HTTP status codes. Separate status codes with commas (,). This parameter is required. Example: 302=0,301=0,4xx=2.
gzip: configures Gzip compression.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off.
tesla: configures HTML optimization.	enable: specifies whether to enable the feature. This parameter is required. Valid values: on and off. trim_js: specifies whether to optimize the JavaScript code of HTML pages. Valid values: on and off. trim_css: specifies whether to optimize the CSS code of HTML pages. Valid values: on and off.
https_origin_sni: configures origin Server Name Indication (SNI) settings.	enabled: specifies whether to enable this feature. This parameter is required. Valid values: on and off. https_origin_sni: specifies the origin SNI settings. This parameter is required.

Feature	Parameter
limit_rate: configures traffic throttling for individual requests.	ali_limit_rate: specifies the maximum amount of data that can be transmitted per second after traffic throttling is triggered, such as 200 KB or 1 MB. Unit: byte/s. This parameter is required. ali_limit_rate_after: specifies the maximum amount of data that can be transmitted before traffic throttling is triggered. Unit: byte/s. traffic_limit_arg: specifies the name of the URL parameter based on which traffic throttling is triggered. Example: rate. traffic_limit_unit: specifies the unit for traffic throttling. Valid values: k, m, and g. For example, when the ali_limit_rate_after parameter is set to 1, the maximum data transfer rate can be 1 MB/s, 1 KB/s, or 1 GB/s. ali_limit_start_hour: specifies the start time of traffic throttling. Valid values: 0 to 24. Default: 0. The start time must be earlier than the end time. ali_limit_end_hour: specifies the end time of traffic throttling. Valid values: 0 to 24. Default: 24. The end time must be later than the start time.
brotli: configures Brotli compression.	enable: specifies whether to enable the feature. This parameter is required. Valid values: on and off. brotli_level: specifies the compression level. Valid values: 1 to 11.
ali_ua: configures a user agent whitelist or blacklist.	ua: specifies the user agents that you want to add to the list. type: specifies the type of the user agent list. Valid values: black and white.
set_l2_req_header: configures HTTP headers for requests that are sent to L2 CDN nodes.	set_l2_req_header is supported by version 1. We recommend that you use origin_request_header, which is supported by version 2 and provides more features. key: specifies the name of the header. value: specifies the value of the header. Enter null if you want to delete the header.

Feature	Parameter
host_redirect: configures URL rewrite.	regex: specifies the URL to be rewritten, for example, ^/$. replacement: specifies the new URL, for example, /go/act/sale/tbzlsy.php. flag: Valid values are redirect and break.
forward_timeout: configures the timeout period for requests that are redirected to the origin server.	forward_timeout: specifies a time period, in seconds. We recommend that you set a value that is not greater than 100.
ali_video_split: configures audio extraction.	enabled: specifies whether to enable this feature. Valid values: on and off.
ipv6: configures IPv6.	switch: specifies whether to enable IPv6. A value of on enables IPv6. A value of off disables IPv6. This parameter is required. region: specifies the region where you want to enable IPv6. You can enter an asterisk (*) to specify all regions.
ali_video_preview: configures video preview.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. The video preview feature supports the TS and MP3 formats. For FLV and MP4 video files, visitors can advance and rewind videos. ali_video_preview_argument: specifies the length of the videos that can be previewed by visitors. The parameter value must be measured in seconds. This parameter is required.
default_ttl_code: sets a TTL value for specified HTTP status codes.	default_ttl_code: specifies a TTL value for HTTP status codes. Unit: seconds. Example: 4xx=3, 200=3600, and 5xx=1. Separate HTTP status codes with commas (,). This parameter is required.

Feature	Parameter
back_to_origin_argument_rewrite: configures parameter rewrite.	Action priorities: Add > Delete > Reserve > Modify. Separate parameters with spaces. delete_argument: specifies the parameters to be deleted. save_argument: specifies the parameters to be retained. Only the specified parameters are retained. The Add and Delete rules take effect at the same time. ignore_all_argument: specifies whether to delete all parameters in requests that are redirected to the origin server. Valid values: on and off. However, parameters added by the Add action are reserved. add_argument: specifies parameters to be added. The Add action has the highest priority. modify_argument: specifies parameters to be modified. The Modify action has the lowest priority. Parameters specified by the Delete action are not reserved.
back_to_origin_url_rewrite: configures URL rewrite.	source_url: specifies the URL to be rewritten. This parameter is required. target_url: specifies the final URL. This parameter is required. flag: specifies an action. Valid values: null, break, and enhance_break. null: continues to apply subsequent rewrite rules after applying the current rule. break: stops applying subsequent rewrite rules after applying the current rule. enhance_break: applies the current rewrite rule to both the URL and its parameters, and then stops applying subsequent rules. This action is also effective on FLV streaming.

Feature	Parameter
edge_function: configures EdgeScript.	Required parameters: rule: the domain-specific language (DSL) script. pri: the priority of the script. enable: specifies whether to enable the script. Valid values: on and off. Optional parameters: name: the name of the rule. The name supports only letters and underscores (_). pos: specifies the position where the script is executed. brk: specifies that after the current script is matched, the subsequent scripts at the specified position are skipped. option: specifies extensions that are used to perform response header debugging. grammar: an extension used to specify the scripting language. Valid values: es2 and js. You can also leave this parameter empty. jsmode: an extension used to manage the domain name whitelist in JavaScript. Valid value: redirect and bypass.
follow_302: configures 302 redirects.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. max_tries: The maximum number of back-to-origin times. Default value: 2. Valid values: 1 to 6. Number of back-to-origin times - 1 = Number of 302 redirects. retain_args: Valid values are on and off. If you set the value to on, request parameters are retained in 302 redirects. Default value: off. retain_header: Valid values are on and off. If you set the value to on, request headers are retained in 302 redirects. Default value: off.

Feature	Parameter
aws_s3_bucket: specifies the Amazon Web Services (AWS) Simple Storage Service (S3) buckets that require authentication.	enable: specifies whether to enable the feature. Valid values: on and off. bucketname: specifies the names of the AWS S3 buckets. accesskey: required. It specifies the access key issued by AWS. secretkey: specifies the AWS access key secret. This parameter is required. region: specifies the Region where the AWS S3 bucket is deployed. This parameter is required.
origin_request_header: configures HTTP request headers.	header_operation_type: specifies the action to be performed on the request header. Valid values: add, delete, modify, and rewrite. add: adds a header. delete: deletes a header. modify: modifies a header. rewrite: rewrites a header. This parameter is required. header_name: required. It specifies the key of the request header. header_value: specifies the value of the request header. duplicate: specifies whether duplicate request headers are allowed. Valid values: on and off. header_source: searches for the source of the response header. header_destination: replaces the response header. match_all: specifies whether to match all requests. Valid values: on and off.

Feature	Parameter
origin_response_header: configures HTTP response headers.	header_operation_type: specifies the action to be performed on the response header. This parameter is required. Valid values: add, delete, modify, and rewrite. add: adds a response header. delete: deletes a response header. modify: modifies a response header. rewrite: rewrites a response header. header_name: required. It specifies the key of the response header. header_value: specifies the value of the response header. duplicate: specifies whether duplicate response headers are allowed. Valid values: on and off. header_source: searches for the source of the response header. header_destination: replaces the response header. match_all: specifies whether to match all responses. Valid values: on and off.
origin_dns_host: specifies the origin server.	ali_origin_dns_host: specifies the domain name used in back-to-origin DNS queries. This parameter is required.
self_defined_cachekey: specifies the custom cachekey.	uri: the URI. args: parameter operations. headers: the HTTP header. variable: custom variables.

Feature	Parameter
image_transform: CDN image conversion.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. filetype: the image formats that support conversion. Separate formats with vertical bars (|). This parameter is required. webp: specifies whether to automatically convert images to the WebP format if the client supports the WebP format. WebP images have smaller sizes. Valid values: on and off. orient: specifies whether to enable automatic rotation for images. Valid values: on and off. This parameter takes effect for only images that support automatic rotation. slim: specifies whether to enable image compression without changing the resolution, size, or format.
origin_host: specifies the origin host.	origin: the origin server. This parameter is required. host: the host. This parameter is required.
ali_origin_port_scheme: specifies the port and protocol of the origin server.	port: This parameter is required. If you set scheme to follow, set the value in the `http:80|https:443` format. scheme: This parameter is required. Valid values: follow, http, and https.
	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. remote_auth_addr: the address of the authentication server. This parameter is required. Format: <props>https://cdn.aliyun.com/auth or <props>http://123.123.123.123/auth. remote_auth_method: the request method. This parameter is required. Valid values: get, post, and head. remote_auth_type: the type of the authentication file. This parameter is required. A value of all specifies all types. Separate different file types with vertical bars (|). The value is case-sensitive. For example, jpg is different from JPG.

Feature	Parameter
cdn_remote_auth: the remote authentication feature.	remote_auth_reserve_args: specifies whether to retain parameters. A value of all specifies to retain all parameters. Separate multiple parameters with vertical bars (|). A value of ali_delete_all_args specifies to delete all URL parameters. The value is case-sensitive. For example, key is different from KEY. This parameter is required. remote_auth_custom_args: adds custom parameters. Separate parameters with vertical bars (|). The value is case-sensitive. For example, key is different from KEY. This parameter is optional. remote_auth_reserve_header: specifies whether to retain request headers. A value of all specifies to retain all request headers. Separate request headers with vertical bars (|). A value of ali_delete_all_headers specifies to delete all request headers. The value is case-insensitive. For example, http_remote_addr is the same as HTTP_Remote_Addr. This parameter is required. remote_auth_custom_header: adds custom request headers. Separate request headers with vertical bars (|). The value is case-insensitive. For example, http_remote_addr is the same as HTTP_Remote_Addr. This parameter is optional. remote_auth_success_code: specifies the response code to return to CDN when the authentication is successful. This parameter is required. For example, if you set the value to 200, the authentication server will return the response code 200 to CDN when the authentication is successful. remote_auth_fail_code: specifies the response code to return to CDN when the authentication fails. This parameter is required. For example, if you set the value to 403, the authentication server will return the response code 403 to CDN when the authentication fails. remote_auth_fail_resp_code: specifies the response code to return to the user when the authentication fails. This parameter is required. For example, if you set the value to 403, CDN will return the response code 403 to the user when the authentication fails. remote_auth_timeout: specifies the timeout period for authentication. This parameter is required. Unit: milliseconds. Example: 500. Maximum value: 3000. remote_auth_timeout_action: specifies the action after the authentication times out. This parameter is required. Valid values: pass and reject. If you set the value to pass, CDN allows user requests after the authentication fails. If you set the value to reject, CDN returns the specified response code to the user and rejects user requests.

Feature	Parameter
hls_token_rewrite: the M3U8 encryption and rewrite feature.	enable: specifies whether to enable this feature. This parameter is required. Valid values: on and off. hls_token_arg_name: The name of the appended parameter. If you do not set the parameter, MtsHlsUriToken is used as the name of the appended parameter.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=SetCdnDomainStagingConfig
&DomainName=example.com
&Functions=[{"functionArgs":[{"argName":"enable","argValue":"on"},{"argName":"pri","argValue":"1"},{"argName":"rule","argValue":"xxx"}],"functionName":"edge_function"}]
&<Common request parameters>
```

Sample success responses

`XML` format

```
<SetCdnDomainStagingConfigResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</SetCdnDomainStagingConfigResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Required

HttpCode	Error code	Error message	Required
400	ConfigurationConflicts	The staging environment has a configuration in effect and cannot modify the production environment configuration.	The error message returned because the configurations of the staging environment are different from those of the production environment. You cannot directly modify the configurations of the production environment. Go to the staging environment to complete the configurations and publish the specified configurations to the production environment.

For a list of error codes, visit the API Error Center.

10.5.3. RollbackStagingConfig

Rolls back configurations in the staging environment. After you call this operation, all configurations in the staging environment are cleared.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	RollbackStagingConfig	The operation that you want to perform. Set the value to **RollbackStagingConfig**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
FunctionName	String	Yes	aliauth	The name of the feature. You can call the BatchSetCdnDomainConfig operation to query feature names.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=RollbackStagingConfig
&DomainName=example.com
&FunctionName=aliauth
&<Common request parameters>
```

Sample success responses

`XML` format

```
<RollbackStagingConfigResponse>
      <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</RollbackStagingConfigResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
404	StagingConfig.NotFound	The Staging configuration does not exist.	The error message returned because no configurations are found in the staging environment.

For a list of error codes, visit the API Error Center.

10.5.4. PublishStagingConfigToProduction

Publishes the configurations of the staging environment to the production environment.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	PublishStagingConfigToProduction	The operation that you want to perform. Set the value to **PublishStagingConfigToProduction**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
FunctionName	String	Yes	aliauth	The name of the feature, which can be queried by calling BatchSetCdnDomainConfig.

The following table describes the fields of the FunctionName parameter.

Field	Description
referer_white_list_set	Configures a referer whitelist that provides hotlinking protection.
referer_black_list_set	Configures a referer blacklist that provides hotlinking protection.
filetype_based_ttl_set	Sets a file expiration rule.
path_based_ttl_set	Sets a directory expiration rule.
oss_auth	Specifies the Object Storage Bucket (OSS) bucket that requires access authentication.
ip_black_list_set	Configures an IP blacklist.
ip_white_list_set	Configures an IP whitelist.

Field	Description
error_page	Redirects requests from an error page to a specified page.
tesla	Configures the HTML optimization feature.
set_req_host_header	Modifies custom headers in requests before they are redirected to the origin server.
et_hashkey_args	Retains URL parameters.
aliauth	Configures Alibaba authentication.
set_resp_header	Sets a response header. To verify this setting, you can check the response messages in a browser.
https_force	Redirects requests from HTTP URLs to HTTPS URLs.
http_force	Redirects requests from HTTPS URLs to HTTP URLs.
https_option	Sets the basic parameters of HTTPS.
forward_scheme	Configures the static origin protocol policy.
dynamic	Configures Dynamic Route for CDN (DCDN) settings.
set_req_header	Specifies custom headers in requests before they are redirected to the origin server.
l2_oss_key	Retrieves content from private OSS buckets.
range	Supports back-to-origin based on HTTP range requests.
video_seek	Supports video seeking.

Field	Description
set_hashkey_args	Excludes specified URL parameters.
https_tls_version	Specifies the TLS protocol version.
HSTS	Supports HTTP Strict Transport Security (HSTS).
filetype_force_ttl_code	Specifies an expiration rule for file status codes.
path_force_ttl_code	Specifies an expiration rule for directory status codes.
gzip	Configures the Gzip compression feature.
tesla	Configures the HTML optimization feature.
https_origin_sni	Configures an origin Server Name Indication (SNI).
limit_rate	Configures traffic throttling for individual requests.
brotli	Configures Brotli compression.
ali_ua	Configures access control based on the user-agent header.
set_l2_req_header	Customizes the headers of requests sent to L2 nodes.
host_redirect	Configures the rewrite feature.
quic	Sets basic parameters of Quick UDP Internet Connection (QUIC).
forward_timeout	Specifies the timeout period of requests that are redirected to the origin server.
ali_video_split	Configures the audio extraction feature.

Field	Description
ipv6	Configures IPv6.
back_to_origin_argument_rewrite	Rewrites parameters in requests before they are redirected to the origin server.
back_to_origin_url_rewrite	Rewrites parameters in back-to-origin URLs.
edge_function	Configures EdgeScript functions.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=PublishStagingConfigToProduction
&DomainName=example.com
&FunctionName=aliauth
&<Common request parameters>
```

Sample success responses

`XML` format

```
<PublishStagingConfigToProductionResponse>
      <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</PublishStagingConfigToProductionResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

10.5.5. DeleteSpecificStagingConfig

Deletes a specified configuration of the staging environment.

> **Note**
> - The maximum number of times that each user can call this operation per second is 20.
> - You can specify multiple domain names (no more than 50) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DeleteSpecificStagingConfig	The operation that you want to perform. Set the value to **DeleteSpecificStagingConfig**.
ConfigId	String	Yes	2317	The configuration IDs. Separate configuration IDs with commas (,). You can call the DescribeCdnDomainStagingConfig operation to query the most recent configuration list.
DomainName	String	Yes	example.com	The accelerated domain names. Separate domain names with commas (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DeleteSpecificStagingConfig
&ConfigId=2317
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DeleteSpecificStagingConfigResponse>
      <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</DeleteSpecificStagingConfigResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	Invalid%s.ValueNotSupported	FunctionName [%s] is not supported.	The error message returned because the FunctionName parameter is set to an invalid value.

For a list of error codes, visit the API Error Center.

10.6. Security

10.6.1. SetWaitingRoomConfig

Configures the virtual waiting room feature for an accelerated domain name. This operation is available only for accelerated domain names of the DCDN workload type.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	SetWaitingRoomConfig	The operation that you want to perform. Set the value to **SetWaitingRoomConfig**.
AllowPct	Integer	Yes	30	The percentage of requests that are allowed to be redirected to the origin server. Valid values: **0** to **100**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
GapTime	Integer	Yes	20	The length of waiting time to skip after users exit the queue. Unit: seconds.
MaxTimeWait	Integer	Yes	30	The maximum length of time that users need to wait in the queue. Unit: seconds.
WaitUri	String	Yes	xxx	The regular expression that is used to match URI strings for which the virtual waiting room feature is enabled.
WaitUrl	String	Yes	WaitUrl	The URL of the waiting page.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=SetWaitingRoomConfig
&DomainName=xxx
&WaitUri=xxx
&AllowPct=30
MaxTimeWait=20
&GapTime=30
&WaitUrl=xxx
&<Common request parameters>
```

Sample success responses

`XML` format

```
<SetWaitingRoomConfigResponse>
      <RequestId>AED00EC1-32A8-4D48-BEB9-BD782AF3C6BD</RequestId>
</SetWaitingRoomConfigResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

10.6.2. DescribeCdnUserConfigs

Queries configurations of security features.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnUserConfigs	The operation that you want to perform. Set the value to **DescribeCdnUserConfigs**.

Parameter	Type	Required	Example	Description
FunctionName	String	Yes	domain_business_control	The configuration item that you want to query. Valid values: • **domain_business_control**: Alibaba Cloud CDN configurations • **waf**: Web Application Firewall (WAF) configurations

Response parameters

Parameter	Type	Example	Description
Configs	Array of Config		The configurations of Alibaba Cloud CDN.
ArgName	String	allow_function	The name of the parameter. The configurations set by enterprise or government users.
ArgValue	String	{\"scdn_allow\": [\"cc_rule\",\"ddos_dispatch\"]}	The value of the configuration. Valid values: • **cc_rule**: HTTP flood protection rules • **ddos_dispatch**: integration with Anti-DDoS • **edge_safe**: application security settings on edge nodes • **blocked_regions**: blocked regions • **http_acl_policy**: access control list (ACL) rules • **bot_manager**: bot traffic management • **ip_reputation**: IP reputation library
FunctionName	String	domain_business_control	The name of the feature.
RequestId	String	06D29681-B7CD-4034-A8CC-28AFFA213539	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com?Action=DescribeCdnUserConfigs
&FunctionName=domain_business_control
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnUserConfigsResponse>
  <RequestId>06D29681-B7CD-4034-A8CC-28AFFA213539</RequestId>
  <Configs>
        <FunctionName>domain_business_control</FunctionName>
        <ArgValue>{"scdn_allow":["cc_rule","ddos_dispatch"]}</ArgValue>
        <ArgName>allow_function</ArgName>
  </Configs>
</DescribeCdnUserConfigsResponse>
```

`JSON` format

```
{
    "RequestId": "06D29681-B7CD-4034-A8CC-28AFFA213539",
    "Configs": [
        {
            "FunctionName": "domain_business_control",
            "ArgValue": "{\"scdn_allow\":[\"cc_rule\",\"ddos_dispatch\"]}",
            "ArgName": "allow_function"
        }
    ]
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidArgValue.Malformed	The specified ArgValue is invalid.	The error message returned because the parameter is set in an invalid format. Set the parameter in a valid format and try again.

For a list of error codes, visit the API Error Center.

10.6.3. DescribeDcdnBlockedRegions

Queries countries and regions that can be added to the blacklist.

> **Note** You can call this operation up to 50 times per second.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Name	Type	Required	Example	Description
Action	String	Yes	DescribeBlockedRegions	The operation that you want to perform. Set the value to **DescribeBlockedRegions**.
Language	String	Yes	zh	The language. Valid values: • **zh**: simplified Chinese • **en**: English • **jp**: Japanese

Response parameters

Name	Type	Example	Description
InfoList	Array of InfoItem		A list of countries and regions.
InfoItem			
Continent	String	Asia	The district to which the country or region belongs.
CountriesAndRegions	String	AF	The abbreviation of the name of the country or region.
CountriesAndRegionsName	String	Afghanistan	The name of the country or region.
RequestId	String	BFFCDFAD-DACC-484E-9BE6-0AF3B3A0DD23	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com?Action=DescribeBlockedRegions&Language=zh
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeBlockedRegionsResponse>
  <RequestId>BFFCDFAD-DACC-484E-9BE6-0AF3B3A0DD23</RequestId>
  <InfoList>
        <InfoItem>
              <LineName>Asia</LineName>
              <CountriesAndRegions>AF</CountriesAndRegions>
              <CountriesAndRegionsName>Afghanistan</CountriesAndRegionsName>
        </InfoItem>
  </InfoList>
</DescribeBlockedRegionsResponse>
```

`JSON` format

```
{
    "RequestId": "BFFCDFAD-DACC-484E-9BE6-0AF3B3A0DD23",
    "InfoList": {
        "InfoItem": [
            {
                "Continent":"Asia",
                "CountriesAndRegions": "AF",
                "CountriesAndRegionsName": "Afghanistan"
            }
        ]
    }
}
```

Error codes

For a list of error codes, visit the API Error Center.

11.Log management

11.1. Real-time log delivery

11.1.1. CreateRealTimeLogDelivery

Configures real-time log delivery for specified accelerated domain names.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateRealTimeLogDelivery	The operation that you want to perform. Set the value to **CreateRealtimeLogDelivery**.
Domain	String	Yes	example.com	The accelerated domain name for which you want to configure real-time log delivery. You can specify multiple domain names and separate them with commas (,).
Logstore	String	Yes	LogstoreName	The name of the Logstore that collects log data from Alibaba Cloud Content Delivery Network (CDN) in real time.
Project	String	Yes	ProjectName	The name of the Log Service project that is used for real-time log delivery.
Region	String	Yes	cn-shanghai	The ID of the region where the Log Service project is deployed. For more information, see Regions that support real-time log delivery.

Response parameters

Parameter	Type	Example	Description
RequestId	String	F32C57AA-7BF8-49AE-A2CC-9F42390F5A19	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com?Action=CreateRealTimeLogDelivery
? Domain=example.com
&Project=ProjectName
&Logstore=LogstoreName
&Region=cn-shanghai
&<Common request parameters>
```

Sample success responses

`XML` format

```
<CreateRealTimeLogDeliveryResponse>
      <RequestId>F32C57AA-7BF8-49AE-A2CC-9F42390F5A19</RequestId>
</CreateRealTimeLogDeliveryResponse>
```

`JSON` format

```
{
    "RequestId": "F32C57AA-7BF8-49AE-A2CC-9F42390F5A19"
}
```

Error codes

For a list of error codes, visit the API Error Center.

11.1.2. DescribeDomainRealtimeLogDelivery

Queries the information about real-time log delivery for an accelerated domain name.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainRealtimeLogDelivery	The operation that you want to perform. Set the value to **DescribeDomainRealtimeLogDelivery**.
Domain	String	Yes	example.com	The accelerated domain name for which real-time log delivery is enabled. Only one domain name is supported.

Response parameters

Parameter	Type	Example	Description
Logstore	String	LogstoreName	The name of the Logstore that collects log data from Alibaba Cloud Content Delivery Network (CDN) in real time.
Project	String	ProjectName	The name of the Log Service project that is used for real-time log delivery.
Region	String	cn-shanghai	The ID of the region where the Log Service project is deployed.
RequestId	String	2F8F3852-912F-42AC-80EB-F1CF4284DE93	The ID of the request.
Status	String	online	The status of the real-time log delivery feature.

Examples

Sample requests

```
https://cdn.aliyuncs.com/?Action=DescribeDomainRealtimeLogDelivery
&Domain=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainRealtimeLogDeliveryResponse>
      <Project>ProjectName</Project>
      <Logstore>LogstoreName</Logstore>
      <Region>cn-shanghai</Region>
      <Status>online</Status>
      <RequestId>2F8F3852-912F-42AC-80EB-F1CF4284DE93</RequestId>
</DescribeDomainRealtimeLogDeliveryResponse>
```

`JSON` format

```
{
    "Project":"ProjectName",
    "Logstore":"LogstoreName",
    "Region":"cn-shanghai",
    "Status":"online",
    "RequestId":"2F8F3852-912F-42AC-80EB-F1CF4284DE93"
}
```

Error codes

For a list of error codes, visit the API Error Center.

11.1.3. DescribeRealtimeDeliveryAcc

Queries the number of real-time log deliveries.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeRealtimeDeliveryAcc	The operation that you want to perform. Set the value to **DescribeRealtimeDeliveryAcc**.
StartTime	String	No	2016-10-20T04:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.

Parameter	Type	Required	Example	Description
EndTime	String	No	2016-10-20T05:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end of the time range to query. The end time must be later than the start time.
Interval	String	No	300	The time interval between the data entries. Unit: seconds. The value varies based on the values of the **StartTime** and **EndTime** parameters. Valid values: • If the time span between StartTime and EndTime is less than 3 days, valid values are **300**, **3600**, and **86400**. Default value: **300**. • If the time span between StartTime and EndTime is from 3 to 31 days (31 days excluded), valid values are **3600** and **86400**. Default value: **3600**. • If the time span between StartTime and EndTime is 31 days or longer, the valid value is **86400**. Default value: **86400**.
Project	String	No	Project	The name of the Log Service project that is used for real-time log delivery. By default, all projects are queried.
LogStore	String	No	LogStore	The name of the Logstore that collects log data from Alibaba Cloud Content Delivery Network (CDN) in real time. By default, all Logstores are queried.

Response parameters

Parameter	Type	Example	Description
ReatTimeDeliveryAccData	Array of AccData		The information about real-time log delivery.
AccData			

Parameter	Type	Example	Description
FailedNum	Integer	2	The number of failed attempts to deliver log data to Log Service.
SuccessNum	Integer	2	The number of successful deliveries of log data to Log Service.
TimeStamp	String	2018-09-03T06:00:00Z	The timestamp of the data.
RequestId	String	684306D2-2511-4977-991D-CE97E91FD7C0	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeRealtimeDeliveryAcc
&StartTime=2016-10-20T04:00:00Z
&EndTime=2016-10-20T05:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeRealtimeDeliveryAccResponse>
      <RequestId>684306D2-2511-4977-991D-CE97E91FD7C0</RequestId>
      <ReatTimeDeliveryAccData>
            <AccData>
                  <TimeStamp>2018-09-03T06:00:00Z</TimeStamp>
                  <FailedNum>0</FailedNum>
                  <SuccessNum>321321</SuccessNum>
            </AccData>
            <AccData>
                  <TimeStamp>2018-09-03T07:00:00Z</TimeStamp>
                  <FailedNum>0</FailedNum>
                  <SuccessNum>32943</SuccessNum>
            </AccData>
      </ReatTimeDeliveryAccData>
</DescribeRealtimeDeliveryAccResponse>
```

`JSON` format

```
{
    "RequestId": "684306D2-2511-4977-991D-CE97E91FD7C0",
    "ReatTimeDeliveryAccData": {
        "AccData": [
            {
                "TimeStamp": "2018-09-03T06:00:00Z",
                "FailedNum": 0,
                "SuccessNum": 321321
            },
            {
                "TimeStamp": "2018-09-03T07:00:00Z",
                "FailedNum": 0,
                "SuccessNum": 32943
            }
        ]
    }
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid.

For a list of error codes, visit the API Error Center.

11.1.4. DisableRealtimeLogDelivery

Disables real-time log delivery for specified accelerated domain names.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DisableRealtimeLogDelivery	The operation that you want to perform. Set the value to **DisableRealtimeLogDelivery**.
Domain	String	Yes	example.com	The accelerated domain name for which you want to disable real-time log delivery. You can specify multiple domain names and separate them with commas (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	9732E117-8A37-49FD-A36F-ABBB87556CA7	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com?Action=DisableRealtimeLogDelivery
&Domain=example.com
```

Sample success responses

`XML` format

```
<DisableRealtimeLogDeliveryResponse>
      <RequestId>9732E117-8A37-49FD-A36F-ABBB87556CA7</RequestId>
</DisableRealtimeLogDeliveryResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

11.1.5. EnableRealtimeLogDelivery

Enables real-time log delivery for specific accelerated domain names.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	EnableRealtimeLogDelivery	The operation that you want to perform. Set the value to **EnableRealtimeLogDelivery**.
Domain	String	Yes	example.com	The accelerated domain name for which you want to enable real-time log delivery. You can specify multiple domain names and separate them with commas (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	9732E117-8A37-49FD-A36F-ABBB87556CA7	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com?Action=EnableRealtimeLogDelivery
&Domain=example.com
```

Sample success responses

`XML` format

```
<EnableRealtimeLogDeliveryResponse>
      <RequestId>9732E117-8A37-49FD-A36F-ABBB87556CA7</RequestId>
</EnableRealtimeLogDeliveryResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

11.1.6. ListRealtimeLogDeliveryDomains

Queries all domain names that are associated with a specific real-time log delivery configuration.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ListRealtimeLogDeliveryDomains	The operation that you want to perform. Set the value to **ListRealtimeLogDeliveryDomains**.
Logstore	String	Yes	LogstoreName	The name of the Logstore that collects log data from Alibaba Cloud Content Delivery Network (CDN) in real time. You can specify multiple Logstore names and separate them with commas (,).
Project	String	Yes	ProjectName	The name of the Log Service project that is used for real-time log delivery. You can specify multiple project names and separate them with commas (,).

Parameter	Type	Required	Example	Description
Region	String	Yes	ch-shanghai	The ID of the region where the Log Service project is deployed. You can specify multiple region IDs and separate them with commas (,). For more information about regions, see Regions that support real-time log delivery.

Response parameters

Parameter	Type	Example	Description
Content	Array of Domains		The information about the accelerated domain names.
Domains			
DomainName	String	example.com	The accelerated domain name.
Status	String	online	The status of the real-time log delivery feature. Valid values: • **online**: The feature is enabled. • **offline**: The feature is disabled.
RequestId	String	95D5B69F-8AEC-419B-8F3A-612B35032B0D	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com/?Action=ListRealtimeLogDeliveryDomains
&Project=ProjectName
&Logstore=LogstoreName
&Region=ch-shanghai
```

Sample success responses

`XML` format

```
<ListRealtimeLogDeliveryDomainsResponse>
      <Content>
            <Domains>
                  <DomainName>example.com</DomainName>
                  <Status>online</Status>
            </Domains>
            <Domains>
                  <DomainName>aliyundoc.com</DomainName>
                  <Status>offline</Status>
            </Domains>
      </Content>
      <RequestId>95D5B69F-8AEC-419B-8F3A-612B35032B0D</RequestId>
</ListRealtimeLogDeliveryDomainsResponse>
```

`JSON` format

```
{
    "Content":{
        "Domains":[
            {
                "DomainName":"example.com",
                "Status":"online"
            },
            {
                "DomainName":"aliyundoc.com",
                "Status":"offline"
            }
        ]
    },
    "RequestId":"95D5B69F-8AEC-419B-8F3A-612B35032B0D"
}
```

Error codes

For a list of error codes, visit the API Error Center.

11.1.7. ModifyRealtimeLogDelivery

Modifies the configurations of real-time log delivery for a specific domain name. Each domain name supports only one Logstore.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ModifyRealtimeLogDelivery	The operation that you want to perform. Set the value to **ModifyRealtimeLogDelivery**.
Domain	String	Yes	example.com	The accelerated domain name for which you want to modify the configurations of real-time log delivery. Only one domain name is supported.
Project	String	Yes	testProject	The name of the Log Service project that is used for real-time log delivery.
Logstore	String	Yes	TestLog	The name of the Logstore.
Region	String	Yes	ch-shanghai	The ID of the region where the Log Service project is deployed. For more information, see Regions that support real-time log delivery.

Response parameters

Parameter	Type	Example	Description
RequestId	String	9732E117-8A37-49FD-A36F-ABBB87556CA7	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com?Action=ModifyRealtimeLogDelivery
&Domain=example.com
&Project=testProject
&Logstore=TestLog
&Region=cn-hangzhou.log.aliyuncs.com
```

Sample success responses

`XML` format

```
<ModifyRealtimeLogDeliveryResponse>
      <RequestId>9732E117-8A37-49FD-A36F-ABBB87556CA7</RequestId>
</ModifyRealtimeLogDeliveryResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

11.1.8. ListRealtimeLogDeliveryInfos

Queries the information about real-time log delivery in a specified region.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ListRealtimeLogDeliveryInfos	The operation that you want to perform. Set the value to **ListRealtimeLogDeliveryInfos**.

Response parameters

Parameter	Type	Example	Description
Content	Array of RealtimeLogDeliveryInfos		The content of the log entry.
RealtimeLogDeliveryInfos			
Logstore	String	LogstoreName	The name of the Logstore that collects log data from Alibaba Cloud Content Delivery Network (CDN) in real time.
Project	String	ProjectName	The name of the Log Service project that is used for real-time log delivery.

Parameter	Type	Example	Description
Region	String	ch-shanghai	The ID of the region where the Log Service project is deployed. For more information, see Regions that support real-time log delivery.
RequestId	String	95D5B69F-8AEC-419B-8F3A-612B35032B0D	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=ListRealtimeLogDeliveryInfos
&<Common request parameters>
```

Sample success responses

`XML` format

```
<ListRealtimeLogDeliveryInfosResponse>
      <Content>
            <RealtimeLogDeliveryInfos>
                  <Project>test</Project>
                  <Logstore>test</Logstore>
                  <Region>cn-shanghai</Region>
            </RealtimeLogDeliveryInfos>
            <RealtimeLogDeliveryInfos>
                  <Project>test1</Project>
                  <Logstore>test2</Logstore>
                  <Region>cn-shanghai</Region>
            </RealtimeLogDeliveryInfos>
      </Content>
      <RequestId>95D5B69F-8AEC-419B-8F3A-612B35032B0D</RequestId>
</ListRealtimeLogDeliveryInfosResponse>
```

`JSON` format

```
{
    "Content":{
        "RealtimeLogDeliveryInfos":[
            {
                "Project":"test",
                "Logstore":"test",
                "Region":"cn-shanghai"
            },
            {
                "Project":"test1",
                "Logstore":"test2",
                "Region":"cn-shanghai"
            }
        ]
    },
    "RequestId":"95D5B69F-8AEC-419B-8F3A-612B35032B0D"
}
```

Error codes

For a list of error codes, visit the API Error Center.

11.1.9. DeleteRealtimeLogDelivery

Deletes the configurations of real-time log delivery for specified accelerated domain names.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DeleteRealtimeLogDelivery	The operation that you want to perform. Set the value to **DeleteRealtimeLogDelivery**.
Domain	String	Yes	example.com	The acceleration domain name for which you want to disable real-time log delivery. You can specify multiple domain names and separate them with commas (,).

Parameter	Type	Required	Example	Description
Logstore	String	Yes	LogstoreName	The name of the Logstore that collects log data from Alibaba Cloud Content Delivery Network (CDN) in real time.
Project	String	Yes	ProjectName	The name of the Log Service project that is used for real-time log delivery.
Region	String	Yes	cn-shanghai	The ID of the region where the Log Service project is deployed. For more information, see Regions that support real-time log delivery.

Response parameters

Parameter	Type	Example	Description
RequestId	String	9732E117-8A37-49FD-A36F-ABBB87556CA7	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DeleteRealtimeLogDelivery
&Domain=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DeleteRealtimeLogDeliveryResponse>
      <RequestId>9732E117-8A37-49FD-A36F-ABBB87556CA7</RequestId>
</DeleteRealtimeLogDeliveryResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

11.1.10. Regions that support real-time log delivery

This topic describes the regions that support the real-time log delivery feature provided by Alibaba Cloud CDN.

Real-time log delivery is available in the regions listed in but not limited to the following table. For more information, see Endpoints.

Region	Root service endpoint
China (Hangzhou)	cn-hangzhou.log.aliyuncs.com
China (Shanghai)	cn-shanghai.log.aliyuncs.com
China (Qingdao)	cn-qingdao.log.aliyuncs.com
China (Beijing)	cn-beijing.log.aliyuncs.com
China (Zhangjiakou-Beijing Winter Olympics)	cn-zhangjiakou.log.aliyuncs.com
China (Hohhot)	cn-huhehaote.log.aliyuncs.com
China (Shenzhen)	cn-shenzhen.log.aliyuncs.com
China (Chengdu)	cn-chengdu.log.aliyuncs.com
China (Hong Kong)	cn-hongkong.log.aliyuncs.com
Japan (Tokyo)	ap-northeast-1.log.aliyuncs.com
Singapore	ap-southeast-1.log.aliyuncs.com
Australia (Sydney)	ap-southeast-2.log.aliyuncs.com
Malaysia (Kuala Lumpur)	ap-southeast-3.log.aliyuncs.com
Indonesia (Jakarta)	ap-southeast-5.log.aliyuncs.com
UAE (Dubai)	me-east-1.log.aliyuncs.com
US (Silicon Valley)	us-west-1.log.aliyuncs.com
Germany (Frankfurt)	eu-central-1.log.aliyuncs.com
US (Virginia)	us-east-1.log.aliyuncs.com
India (Mumbai)	ap-south-1.log.aliyuncs.com
UK (London)	eu-west-1.log.aliyuncs.com

11.2. Offline logs

11.2.1. DescribeDomainCustomLogConfig

Queries the custom log configuration of an accelerated domain name.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	DescribeDomainCustomLogConfig	The operation that you want to perform. Set the value to **DescribeDomainCustomLogConfig**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.

Response parameters

Parameter	Type	Example	Description
ConfigId	String	123	The ID of the log configuration.
Remark	String	$time_iso8601_$request_method_$	The format of the log configuration.
RequestId	String	94E3559F-7B6A-4A5E-AFFD-44E2A208A249	The ID of the request.
Sample	String	[9/Jun/2015:01:58:09+0800]188.165.15.75-1542\"-\"\"GET http://www.aliyun.com/index.html\	The sample log configuration.
Tag	String	book	The tag information about the log configuration.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeDomainCustomLogConfig
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainCustomLogConfigResponse>
   <ConfigId>25473b84-d598-498e-b148-f23d0a27df52</ConfigId>
   <Tag>book</Tag>
   <Remark>$time_iso8601_$request_method_$server_protocol.....</Remark>
   <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/)</Sam
ple>
   <RequestId>1805F349-0A2B-41D9-B4AD-33632AFC27F1</RequestId>
</DescribeDomainCustomLogConfigResponse>
```

`JSON` format

```
{
    "ConfigId": "25473b84-d598-498e-b148-f23d0a27df52",
    "Tag": "book",
    "Remark": "$time_iso8601_$request_method_$server_protocol.....",
    "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/rob
ot/)",
    "RequestId": "1805F349-0A2B-41D9-B4AD-33632AFC27F1"
}
```

Error codes

For a list of error codes, visit the API Error Center.

11.2.2. ListDomainsByLogConfigId

Queries domain names by log configuration ID.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	ListDomainsByLogConfigId	The operation that you want to perform. Set the value to **ListDomainsByLogConfigId**.
ConfigId	String	Yes	123	The ID of the custom configuration.

Response parameters

Parameter	Type	Example	Description
Domains	List	["example.com", "image.developer.aliyundoc.com"]	The list of domain names.
RequestId	String	9732E117-8A37-49FD-A36F-ABBB87556CA7	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=ListDomainsByLogConfigId
&ConfigId=123
&<Common request parameters>
```

Sample success responses

`XML` format

```
<ListDomainsByLogConfigIdResponse>
      <RequestId>9732E117-8A37-49FD-A36F-ABBB87556CA7</RequestId>
      <Domains>
            <Domain>example.com</Domain>
            <Domain>image.developer.aliyundoc.com</Domain>
      </Domains>
</ListDomainsByLogConfigIdResponse>
```

`JSON` format

```
{
    "ListDomainsByLogConfigIdResponse": {
        "RequestId": "9732E117-8A37-49FD-A36F-ABBB87556CA7",
        "Domains": {
            "Domain": [
                "example.com",
                "image.developer.aliyundoc.com"
            ]
        }
    }
}
```

Error codes

For a list of error codes, visit the API Error Center.

11.2.3. ListUserCustomLogConfig

Queries all custom log configurations under your Alibaba Cloud account.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ListUserCustomLogConfig	The operation that you want to perform. Set the value to **ListUserCustomLogConfig**.

Response parameters

Parameter	Type	Example	Description
ConfigIds	List	c3bb2c78-2915-4d5a-b6a1-557789255555	The ID of the log configuration.
RequestId	String	95D5B69F-8AEC-419B-8F3A-612B35032B0D	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com/?Action=ListUserCustomLogConfig
&<Common request parameters>
```

Sample success responses

`XML` format

```
<ListUserCustomLogConfigResponse>
      <RequestId>95D5B69F-8AEC-419B-8F3A-612B35032B0D</RequestId>
      <ConfigIds>
            <ConfigId>c3bb2c78-2915-4d5a-b6a1-557789255555</ConfigId>
            <ConfigId>25473b84-d598-498e-b148-f23d0a255555</ConfigId>
            <ConfigId>1f1e6c6e-6701-4193-ae4d-54bf3e555555</ConfigId>
      </ConfigIds>
</ListUserCustomLogConfigResponse>
```

`JSON` format

```
{
    "RequestId": "95D5B69F-8AEC-419B-8F3A-612B35032B0D",
    "ConfigIds": {
        "ConfigId": [
            "c3bb2c78-2915-4d5a-b6a1-557789255555",
            "25473b84-d598-498e-b148-f23d0a255555",
            "1f1e6c6e-6701-4193-ae4d-54bf3e555555"
        ]
    }
}
```

Error codes

For a list of error codes, visit the API Error Center.

11.2.4. DescribeCustomLogConfig

Queries the detailed information about a custom log configuration.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCustomLogConfig	The operation that you want to perform. Set the value to **DescribeCustomLogConfig**.
ConfigId	String	Yes	123	The ID of the custom configuration.

Response parameters

Parameter	Type	Example	Description
Remark	String	$time_iso8601_$request_method_$	The format of the log configuration.
RequestId	String	94E3559F-7B6A-4A5E-AFFD-44E2A208A249	The ID of the request.
Sample	String	" [9/Jun/2015:01:58:09 +0800] 188.165.15.75 - 1542 \"-\" \"GEThttp: //www.aliyun.com/index.html\" 200	A sample log configuration.
Tag	String	img1	The tag information about the log configuration.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DescribeCustomLogConfig
&ConfigId=123
&<Common request parameters>
```

Sample success responses

`XML` format

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

`JSON` format

```
{ "Tag": "xxxxx", "RequestId": "F32C57AA-7BF8-49AE-A2CC-3F42390F5A16", "Sample": "[9/Jun/20
15:01:58:09 +0800] 188.165.15.75 - 1542 \"-\" \"GEThttp: //www.aliyun.com/index.html\" 200"
, "Remark": "$time_iso8601_$request_method_$server_protocol....." }
```

Error codes

For a list of error codes, visit the API Error Center.

11.2.5. DescribeCdnDomainLogs

Queries the address where you can download the log data of a specific domain name.

> **Note**
> - If you do not set **StartTime** or **EndTime**, data collected within the last 24 hours is queried. If you set both **StartTime** and **EndTime**, data collected within the specified time range is queried.
> - The log data was collected at an interval of 1 hour.
> - The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnDomainLogs	The operation that you want to perform. Set the value to **DescribeCdnDomainLogs**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
PageSize	Long	No	300	The number of entries to return on each page. Default value: **300**. Maximum value: **1000**. Valid values: **1** to **1000**.
PageNumber	Long	No	2	The number of the page to return. Pages start from page **1**.

Parameter	Type	Required	Example	Description
StartTime	String	No	2017-12-21T08:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2017-12-22T08:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end time must be later than the start time.

Response parameters

Parameter	Type	Example	Description
DomainLogDetails	Array of DomainLogDetail		The detailed log information, which is indicated by the DomainLogDetail parameter.
DomainLogDetail			
DomainName	String	example.com	The accelerated domain name.
LogCount	Long	10	The total number of entries returned on the current page.
LogInfos	Array of LogInfoDetail		The detailed log information, which is indicated by the LogInfoDetail parameter.
LogInfoDetail			
EndTime	String	2015-05-23T14:00:00Z	The end of the time range where the QPS data was queried.
LogName	String	demo.aliyundoc.com_2015_05_23_2100_2200.gz	The name of the log file.

Parameter	Type	Example	Description
LogPath	String	guide.aliyundoc.com-hangzhou.xxx	The path of the log file.
LogSize	Long	258	The size of the log file.
StartTime	String	2015-05-23T13:00:00Z	The start of the time range that was queried.
PageInfos	Struct		The detailed log information, which is indicated by the PageInfoDetail parameter.
PageIndex	Long	1	The page number of the returned page.
PageSize	Long	20	The number of entries returned per page.
Total	Long	20	The total number of entries returned.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnDomainLogs
&DomainName=example.com
&StartTime=2017-12-21T08:00:00Z
&EndTime=2017-12-22T08:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnDomainLogsResponse>
<RequestId>077D0284-F041-4A41-A932-B48377FDAA25</RequestId>
<DomainLogDetails>
    <DomainLogDetail>
        <LogInfos>
            <LogInfoDetail>
                <LogName>demo.aliyundoc.com_2018_03_25_180000_190000.gz</LogName>
                <LogPath>guide.aliyundoc.com/image.example.com/2018_03_25/demo.aliyundoc.co
m_2018_03_25_180000_190000.gz?xxx</LogPath>
                <EndTime>2018-05-31T04:00:00Z</EndTime>
                <StartTime>2018-05-31T03:00:00Z</StartTime>
                <LogSize>2645401</LogSize>
            </LogInfoDetail>
            <LogInfoDetail>
                <LogName>demo.aliyundoc.com_2018_03_25_190000_200000.gz</LogName>
                <LogPath>guide.aliyundoc.com/demo.example.com/2018_03_25/demo.aliyundoc.com
_2018_03_25_190000_200000.gz?xxx</LogPath>
                <EndTime>2018-05-31T06:00:00Z</EndTime>
                <StartTime>2018-05-31T05:00:00Z</StartTime>
                <LogSize>2653965</LogSize>
            </LogInfoDetail>
        </LogInfos>
        <LogCount>20</LogCount>
        <PageInfos>
            <PageIndex>1</PageIndex>
            <PageSize>20</PageSize>
            <Total>20</Total>
        </PageInfos>
        <DomainName>example.com</DomainName>
    </DomainLogDetail>
</DomainLogDetails>
</DescribeCdnDomainLogsResponse>
```

`JSON` format

```
{
    "RequestId": "077D0284-F041-4A41-A932-B48377FDAA25",
    "DomainLogDetails": {
        "DomainLogDetail": [
            {
                "LogInfos": {
                    "LogInfoDetail": [
                        {
                            "LogName": "demo.aliyundoc.com_2018_03_25_180000_190000.gz",
                            "LogPath": "guide.aliyundoc.com/image.example.com/2018_03_25/de
mo.aliyundoc.com_2018_03_25_180000_190000.gz?xxx",
                            "EndTime": "2018-05-31T04:00:00Z",
                            "StartTime": "2018-05-31T03:00:00Z",
                            "LogSize": 2645401
                        },
                        {
                            "LogName": "demo.aliyundoc.com_2018_03_25_190000_200000.gz",
                            "LogPath": "guide.aliyundoc.com/demo.example.com/2018_03_25/dem
o.aliyundoc.com_2018_03_25_190000_200000.gz?xxx",
                            "EndTime": "2018-05-31T06:00:00Z",
                            "StartTime": "2018-05-31T05:00:00Z",
                            "LogSize": 2653965
                        }
                    ]
                },
                "LogCount": 20,
                "PageInfos": {
                    "PageIndex": 1,
                    "PageSize": 20,
                    "Total": 20
                },
                "DomainName": "example.com"
            }
        ]
    }
}
```


Error codes

HttpCode	Error code	Error message	Required
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.

HttpCode	Error code	Error message	Required
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

11.2.6. EnableCdnDomainOfflineLogDelivery

Enables log storage for one or more domain names.

> **Note**
> - The maximum number of times that each user can call this operation per second is 100.
> - This operation supports only the POST method.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	EnableCdnDomainOfflineLogDelivery	The operation that you want to perform. Set the value to **EnableCdnDomainOfflineLogDelivery**.
DomainName	String	Yes	example.com	The domain name for which you want to enable log storage. You can specify one or more domain names. Separate domain names with commas (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	C370DAF1-C838-4288-A1A0-9A87633D248E	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=EnableCdnDomainOfflineLogDelivery
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<EnableCdnDomainOfflineLogDeliveryResponse>
  <RequestId>C370DAF1-C838-4288-A1A0-9A87633D248E</RequestId>
</EnableCdnDomainOfflineLogDeliveryResponse>
```

`JSON` format

```
{
  "RequestId": "C370DAF1-C838-4288-A1A0-9A87633D248E"
}
```

Error codes

For a list of error codes, visit the API Error Center.

12.Refresh and preload operations

12.1. PushObjectCache

Prefetches content from origin servers to L2 CDN edge nodes. This reduces loads on origin servers because users can directly hit cache upon their first visits.

> **Note**
>
> - Alibaba Cloud CDN supports POST requests in which parameters are sent as a form.
> - You can call the RefreshObjectCaches operation to refresh content and call the PushObjectCache operation to prefetch content.
> - You can specify at most 100 URLs in each prefetch request. Each Alibaba Cloud account can submit at most 500 URLs per day. If your daily peak bandwidth exceeds 500 Mbit/s, you can submit a ticket to request a quota increase. Alibaba Cloud determines whether to approve your application based on your business requirements.
> - For each Alibaba Cloud account, the prefetch queue can contain up to 100 prefetch requests. Content is prefetched based on the time when the prefetch requests are submitted. The request that is submitted the earliest has the highest priority to prefetch content. If the number of prefetch requests in the queue reaches 100, you cannot submit more prefetch requests until the number drops below 100.
> - L2 CDN edge nodes are deployed between L1 CDN edge nodes and origin servers to reduce loads on the origin servers.
> - The maximum number of times that each user can call this operation per second is 50.
> - For more information about how to automate refresh or prefetch tasks, see Prefetch and refresh task scripts.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	PushObjectCache	The operation that you want to perform. Set the value to **PushObjectCache**.

Parameter	Type	Required	Example	Description
ObjectPath	String	Yes	example.com/image/1.png\example.org/image/2.png	The URLs that you want to prefetch. Specify URLs in the format of **accelerated domain name/file URL**. **Note** Separate URLs with line feeds (\n or \r\n). Each object path can be up to 1,024 characters in length.
Area	String	No	domestic	The accelerated region where content is to be prefetched. Valid values: • **domestic**: **mainland China only** • **overseas**: **outside mainland China** If you do not set this parameter, content in the accelerated region of the domain name is prefetched. The rules are: • If the accelerated region is set to **Mainland China Only**, content in regions in mainland China is prefetched. • If the accelerated region is set to **Global**, content in all regions are prefetched. • If the accelerated region is set to **Global (Excluding Mainland China)**, content in regions outside mainland China is prefetched.

Response parameters

Parameter	Type	Example	Description
PushTaskId	String	9524xxxx	The ID of the prefetch task. If multiple tasks are returned, the IDs are separated by commas (,).
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=PushObjectCache
&ObjectPath=example.com/image/1.png\example.org/image/2.png
&<Common request parameters>
```

Sample success responses

`XML` format

```
<PushObjectCacheResponse>
    <PushTaskId>9524xxxx</PushTaskId>
    <RequestId>16A96B9A-F203-4EC5-8E43-CB92E68F4CD8</RequestId>
</PushObjectCacheResponse>
```

`JSON` format

```
{
  "PushTaskId": "9524xxxx",
  "RequestId": "16A96B9A-F203-4EC5-8E43-CB92E68F4CD8"
}
```

Error codes

For a list of error codes, visit the API Error Center.

12.2. DescribeRefreshQuota

Queries the maximum and remaining numbers of URLs and directories that can be refreshed, the maximum and remaining numbers of times that you can prefetch content, and the maximum and remaining numbers of URLs and directories that can be blocked on the current day.

> **Note**
> - You can call the RefreshObjectCaches operation to refresh content and call the PushObjectCache operation to prefetch content.
> - The maximum number of times that each user can call this operation per second is 20.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer automatically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeRefreshQuota	The operation that you want to perform. Set this parameter to **DescribeRefreshQuota**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	42E0554B-80F4-4921-AED6-ACFB22CAAAD0	The ID of the request
UrlQuota	String	2000	The maximum number of URLs that can be refreshed on the current day.
DirQuota	String	100	The maximum number of directories that can be refreshed on the current day.
UrlRemain	String	1996	The remaining number of URLs that can be refreshed on the current day.
DirRemain	String	99	The remaining number of directories that can be refreshed on the current day.
PreloadQuota	String	500	The maximum number of times that you can prefetch content to L2 nodes on the current day.
PreloadRemain	String	400	The remaining number of times that you can prefetch content to L2 nodes on the current day.
BlockQuota	String	300	The maximum number of URLs and directories that can be blocked on the current day.
BlockRemain	String	100	The remaining number of URLs and directories that can be blocked on the current day.

Parameter	Type	Example	Description
PreloadEdgeQuota	String	20	The maximum number of times that you can prefetch content to L1 nodes on the current day.
PreloadEdgeRemain	String	20	The remaining number of times that you can prefetch content to L1 nodes on the current day.
RegexQuota	String	20	The maximum number of times that you can use regular expressions to refresh directories or URLs on the current day.
RegexRemain	String	10	The remaining number of times that you can use regular expressions to refresh directories or URLs on the current day.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DescribeRefreshQuota
&<Common request parameters>
```

Sample responses

`XML` format

```
<DescribeRefreshQuotaResponse>
      <RequestId>42E0554B-80F4-4921-AED6-ACFB22CAAAD0</RequestId>
   <UrlQuota>2000</UrlQuota>
      <DirQuota>100</DirQuota>
      <UrlRemain>1996</UrlRemain>
   <DirRemain>99</DirRemain>
   <PreloadQuota>500</PreloadQuota>
   <PreloadRemain>400</PreloadRemain>
      <BlockQuota>300</BlockQuota>
      <RegexQuota>20</RegexQuota>
      <RegexRemain>10</RegexRemain>
      <blockRemain>200</blockRemain>
</DescribeRefreshQuotaResponse>
```

`JSON` format

```
{
    "RequestId": "42E0554B-80F4-4921-AED6-ACFB22CAAAD0",
    "UrlQuota": 2000,
    "DirQuota": 100,
    "UrlRemain": 1996,
    "DirRemain": 99,
    "PreloadQuota": 500,
    "PreloadRemain": 400,
    "BlockQuota": 300,
    "RegexQuota": 20,
    "RegexRemain": 10,
    "blockRemain": 200
}
```

Error codes

For a list of error codes, visit the API Error Center.

12.3. DescribeRefreshTasks

Queries the status of refresh or prefetch tasks that belong to a specified accelerated domain name.

Note

- You can query the status of tasks by task ID or URL.
- You can set both the **TaskId** and **ObjectPath** parameters. If you do not set the **TaskId** or **ObjectPath** parameter, data entries on the first page (20 entries) collected within the last three days are returned.
- You can query data collected within the last three days.
- If auto CDN cache update is enabled in the Object Storage Service (OSS) console, you cannot call the DescribeRefreshTasks operation to query automatic refresh tasks in OSS.
- The maximum number of times that each user can call this operation per second is 10. If you want to query tasks at a higher frequency, call the DescribeRefreshTaskById operation. This operation allows you to query tasks by task ID.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeRefreshTasks	The operation that you want to perform. Set the value to **DescribeRefreshTasks**.

Parameter	Type	Required	Example	Description
TaskId	String	No	1234321	The ID of the task that you want to query.
ObjectPath	String	No	http://example.com/1.txt	The path of the object. The path is used as a condition for exact matching.
PageNumber	Integer	No	1	The number of the page to return. Valid values: **1** to **100000**.
ObjectType	String	No	file	The type of the task. Valid values: • **file**: refreshes an individual file. • **directory**: refreshes files under the specified directories. • **preload**: prefetches an individual file. **Note** If you set the **DomainName** or **TaskStatus** parameter, you must also set the **ObjectType** parameter.
DomainName	String	No	example.com	The accelerated domain name to which the tasks belong. You can specify only one accelerated domain name in each call. By default, this operation queries the status of tasks for all accelerated domain names.
Status	String	No	Complete	The status of the task to be queried. Valid values: • **Complete**: The task is completed. • **Refreshing**: The task is in progress. • **Failed**: The task failed.
PageSize	Integer	No	20	The number of entries to be returned on each page. Default value: **20**. Maximum value: **100**. Valid values: **1** to **100**.

Parameter	Type	Required	Example	Description
StartTime	String	No	2017-12-21T08:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2017-12-22T08:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. **Note** The end of the time range to query. The end time must be later than the start time.
ResourceGroupId	String	No	rg-acfmyuji4b6r4**	The ID of the resource group.

Response parameters

Parameter	Type	Example	Description
Tasks	Array of CDNTask		A list of tasks.
CDNTask			
TaskId	String	704225667	The ID of the task.
ObjectPath	String	http://example.com/1.txt	The path of the object.
Status	String	Complete	The status of the task. Valid values: • **Complete**: The task is completed. • **Refreshing**: The task is in progress. • **Failed**: The task has failed. • **Pending**: The task is in the pending state.
Process	String	100%	The progress of the task, in percentage.

Parameter	Type	Example	Description
ObjectType	String	file	The type of the task. • **file**: refreshes an individual file. • **directory**: refreshes files under the specified directories. • **preload**: prefetches an individual file.
CreationTime	String	2014-11-27T08:23:22Z	The time when the task was created. The time is displayed in UTC.
Description	String	Internal Error	The type of the error returned when the refresh or prefetch task failed. Valid values: • **InternalError**: An internal error occurred. • **OriginTimeout**: The response from the origin server timed out. • **OriginReturn StatusCode 5XX**: The origin server returned a 5XX error.
PageSize	Long	1	The number of entries returned on each page.
PageNumber	Long	10	The number of the page.
TotalCount	Long	2	The total number of entries returned.
RequestId	String	174F6032-AA26-470D-B90E-36F0EB205BEE	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeRefreshTasks
&ObjectPath=http://example.com/1.txt
&PageNumber=1
&PageSize=10
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeRefreshTasksResponse>
      <Tasks>
            <CDNTask>
                  <CreationTime>2014-11-27T08:23:22Z</CreationTime>
                  <ObjectPath>http://example.com/1.txt</ObjectPath>
                  <Status>Complete</Status>
                  <TaskId>704225667</TaskId>
                  <ObjectType>file</ObjectType>
                  <Process>100%</Process>
            </CDNTask>
            <CDNTask>
                  <CreationTime>2014-11-27T08:18:38Z</CreationTime>
                  <ObjectPath>http://aliyundoc.com/1.txt</ObjectPath>
                  <Status>Complete</Status>
                  <TaskId>704222904</TaskId>
                  <ObjectType>file</ObjectType>
                  <Process>100%</Process>
            </CDNTask>
      </Tasks>
      <PageNumber>1</PageNumber>
      <PageSize>10</PageSize>
      <TotalCount>2</TotalCount>
      <RequestId>174F6032-AA26-470D-B90E-36F0EB205BEE</RequestId>
</DescribeRefreshTasksResponse>
```

`JSON` format

```
{
    "Tasks": {
        "CDNTask": [
            {
            "CreationTime": "2014-11-27T08:23:22Z",
            "ObjectPath": "http://example.com/1.txt",
            "Status": "Complete",
            "TaskId": "704225667",
            "ObjectType": "file",
            "Process": "100%"
        }, {
            "CreationTime": "2014-11-27T08:18:38Z",
            "ObjectPath": "http://aliyundoc.com/1.txt",
            "Status": "Complete",
            "TaskId": "704222904",
            "ObjectType": "file",
            "Process": "100%"
        }
      ]
    },
    "PageNumber": 1,
    "PageSize": 10,
    "TotalCount": 2,
    "RequestId": "174F6032-AA26-470D-B90E-36F0EB205BEE"
}
```

Error codes

For a list of error codes, visit the API Error Center.

12.4. RefreshObjectCaches

Refreshes files on Alibaba Cloud CDN edge nodes. After files are refreshed, the original file content immediately becomes invalid. If clients request the original file content, Alibaba Cloud CDN redirects the requests to the origin server of the content. Then, Alibaba Cloud CDN caches the latest content to CDN edge nodes and returns it to the clients. Alibaba Cloud CDN allows you to refresh content from multiple URLs at a time.

> **Note**
>
> - Alibaba Cloud CDN supports POST requests in which parameters are sent as a form.
> - You can call the **RefreshObjectCaches** operation to refresh content and call the **PushObjectCache** operation to prefecth content.
> - You can refresh content from a maximum of 2,000 URLs and 100 directories per day by using each Alibaba Cloud account. Subdirectories are included. If the daily peak bandwidth value exceeds 200 Mbit/s, you can submit a ticket to request a quota increase. Alibaba Cloud CDN evaluates your application based on your workloads.
> - You can specify at most 1,000 URLs or directories that you want to refresh in each call.
> - You can refresh a maximum of 1,000 URLs per minute for each domain name.
> - The maximum number of times that each user can call this operation per second is 50.
> - For more information about how to automate refresh or prefetch tasks, see Prefetch and refresh task scripts.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	RefreshObjectCaches	The operation that you want to perform. Set the value to **RefreshObjectCaches**.
ObjectPath	String	Yes	http://example.com/image/1.png \nhttp://aliyundoc.com/image/2.png	The URLs from which content is refreshed. Format: **accelerated domain name/paths or directories of files to be refreshed**. Separate multiple URLs with line feed characters (\n) or a pair of carriage return and line feed characters (\r\n).

Parameter	Type	Required	Example	Description
ObjectType	String	No	File	The type of content to be refreshed. Valid values: • **File**: files. • **Directory**: files under specified directories. Default value: **File**.

Response parameters

Parameter	Type	Example	Description
RefreshTaskId	String	704222904	The ID of the refresh task. If multiple tasks are returned, the IDs are separated by commas (,).
RequestId	String	D61E4801-EAFF-4A63-AAE1-FBF6CE1CFD1C	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=RefreshObjectCaches
&ObjectPath=http://example.com/image/1.png\nhttp://aliyundoc.com/image/2.png
&ObjectType=File
&<Common request parameters>
```

Sample success responses

`XML` format

```
<RefreshObjectCachesResponse>
  <RefreshTaskId>704222904</RefreshTaskId>
  <RequestId>D61E4801-EAFF-4A63-AAE1-FBF6CE1CFD1C</RequestId>
</RefreshObjectCachesResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

12.5. DescribeRefreshTaskById

Queries the status of refresh or prefetch tasks by ID for an accelerated domain name.

> **Note**
> - You can query data within the last three days.
> - The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeRefreshTaskById	The operation that you want to perform. Set the value to **DescribeRefreshTaskById**.
TaskId	String	Yes	12345678	The ID of the task that you want to query. You can call the RefreshObjectCaches operation to query task IDs. Then, you can use the task IDs to query task status. You can specify at most 10 task IDs. Separate task IDs with commas (,).

Response parameters

Parameter	Type	Example	Description
RequestId	String	E0C2EF95-B1EC-4C93-855E-2059A7DA2B7B	The ID of the request.
Tasks	Array of CDNTask		A list of tasks.
CreationTime	String	2020-08-03T08:54:23Z	The time when the task was created. The time is displayed in UTC.

Parameter	Type	Example	Description
Description	String	Internal Error	The error returned when the refresh or prefetch task failed. Valid values: • **Internal Error**: An internal error occurred. • **Origin Timeout**: The response from the origin server timed out. • **Origin Return StatusCode 5XX**: The origin server returned a 5XX error.
ObjectPath	String	http://example.com/abc.jpg	The path of the object refreshed by the refresh task.
ObjectType	String	file	The type of the task. Valid values: • **file**: refreshes an individual file. • **directory**: refreshes files under the specified directories. • **preload**: prefetches an individual file.
Process	String	100%	The progress of the task, in percentage.
Status	String	Complete	The status of the task. Valid values: • **Complete**: The task has completed. • **Pending**: The task is in the pending state. • **Refreshing**: The task is in progress. • **Failed**: The task has failed.
TaskId	String	12345678	The ID of the task.
TotalCount	Long	2	The total number of tasks.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeRefreshTaskById
&TaskId=12345678
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeRefreshTaskByIdResponse>
  <RequestId>E0C2EF95-B1EC-4C93-855E-2059A7DA2B7B</RequestId>
  <Tasks>
        <CreationTime>2020-08-03T08:54:23Z</CreationTime>
        <Description></Description>
        <ObjectPath>http://example.com/abc.jpg</ObjectPath>
        <ObjectType>file</ObjectType>
        <Process>100%</Process>
        <Status>Complete</Status>
        <TaskId>12345678</TaskId>
  </Tasks>
  <Tasks>
        <CreationTime>2020-08-03T09:12:44Z</CreationTime>
        <Description></Description>
        <ObjectPath>http://example.com/bcd.jpg</ObjectPath>
        <ObjectType>file</ObjectType>
        <Process>99.37%</Process>
        <Status>Refreshing</Status>
        <TaskId>23456789</TaskId>
  </Tasks>
  <TotalCount>2</TotalCount>
</DescribeRefreshTaskByIdResponse>
```

`JSON` format

```
{
    "RequestId": "E0C2EF95-B1EC-4C93-855E-2059A7DA2B7B",
    "Tasks": [
        {
            "CreationTime": "2020-08-03T08:54:23Z",
            "Description": "",
            "ObjectPath": "http://example.com/abc.jpg",
            "ObjectType": "file",
            "Process": "100%",
            "Status": "Complete",
            "TaskId": "12345678"
        },
        {
            "CreationTime": "2020-08-03T09:12:44Z",
            "Description": "",
            "ObjectPath": "http://example.com/bcd.jpg",
            "ObjectType": "file",
            "Process": "99.37%",
            "Status": "Refreshing",
            "TaskId": "23456789"
        }
    ],
    "TotalCount": 2
}
```

Error codes

For a list of error codes, visit the API Error Center.

12.6. Run a script to prefetch content

Alibaba Cloud CDN provides scripts that can be used to automatically refresh and prefetch content such as files and directories from origin servers. This topic describes the features and usage notes of scripts. The following example demonstrates how to use a script to automatically refresh and prefetch content. A Windows operating system is used in the example.

Overview

Scripts can be used to automatically refresh or prefetch content from origin servers in batches. Compared with manual operations, scripts greatly simplify the process.

After you specify a file that contains URLs to be refreshed or prefetched, the script splits the file based on the number of concurrent refresh or prefetch tasks. The URLs are then refreshed or prefetched in batches. A script automatically detects whether a refresh or prefetch task is completed. The next refresh or prefetch task does not start until the current one ends.

We recommend that you use scripts in the following scenarios:

- Refresh and prefetch operations are performed manually because no developer is available. The cost of operations and maintenance (O&M) is high.
- The number of URLs to be refreshed or prefetched is large. Batch tasks will reduce efficiency.
- Whether the refresh and prefetch tasks run as expected must be manually checked, which consumes a large amount of human resources and time.

Usage notes

Before you run a script to automatically refresh or prefetch content, make sure that the following environment is deployed on the on-premises machine:

- The Alibaba Cloud CDN SDK for Python module library: The current version is 20180510. We recommend that you run the **pip install aliyun-python-sdk-cdn** command to install the library.
- The Alibaba Cloud SDK for Python core library: The current version is 2.6.0. We recommend that you run the **pip install aliyun-python-sdk-core** commend to install the library.
- Windows and Linux operating systems must use Python 3 and have the logging module installed.
- Save the following code as a Refresh.py script:

```
#!/usr/bin/env python3
# coding=utf-8
# __author__ = 'hanli.zyb'
# __date__ = '2021-04-23'
'''Check Package'''
try:
    import os, re, sys, getopt, time, json, logging
    from aliyunsdkcore.client import AcsClient
    from aliyunsdkcore.acs_exception.exceptions import ClientException
    from aliyunsdkcore.acs_exception.exceptions import ServerException
    from aliyunsdkcdn.request.v20180510.RefreshObjectCachesRequest import RefreshObjectCa
chesRequest
    from aliyunsdkcdn.request.v20180510.PushObjectCacheRequest import PushObjectCacheRequ
est
    from aliyunsdkcdn.request.v20180510.DescribeRefreshTasksRequest import DescribeRefres
hTasksRequest
```

```
hTasksRequest
    from aliyunsdkcdn.request.v20180510.DescribeRefreshQuotaRequest import DescribeRefres
hQuotaRequest
except:
    sys.exit("[error] Please pip install aliyun-python-sdk-cdn and aliyun-python-sdk-core
and logging, please install now......")
logging.basicConfig(level=logging.DEBUG, filename='./RefreshAndPredload.log')
class Envariable(object):
    LISTS = []
    REGION = 'cn-zhangzhou'
    AK = None
    SK = None
    FD = None
    CLI = None
    TASK_TYPE = None
    TASK_AREA = None
    TASK_OTYPE = None
    def set_ak(ak):
        Envariable.AK = ak
    def get_ak():
        return Envariable.AK
    def set_sk(sk):
        Envariable.SK = sk
    def get_sk():
        return Envariable.SK
    def set_fd(fd):
        Envariable.FD = fd
    def get_fd():
        return Envariable.FD
    def set_task_type(task_type):
        Envariable.TASK_TYPE = task_type
    def get_task_type():
        return Envariable.TASK_TYPE
    def set_task_area(task_area):
        Envariable.TASK_AREA = task_area
    def get_task_area():
        return Envariable.TASK_AREA
    def set_task_otype(task_otype):
        Envariable.TASK_OTYPE = task_otype
    def get_task_otype():
        return Envariable.TASK_OTYPE
    def set_acs_client():
        Envariable.CLI = AcsClient(Envariable.get_ak(), Envariable.get_sk(), Envariable.R
EGION)
    def get_acs_client():
        return Envariable.CLI
class InitHandler(object):
    def __init__(self,ak,sk,region):
        try:
            self.client = AcsClient(self,Envariable.get_ak(),Envariable.get_sk(),Envariab
le.REGION)
        except Exception:
            logging.info("[error]: initial AcsClient failed") and exit(1)
class BaseCheck(object):
    def __init__(self):
```

```
    def __init__(self):
        self.invalidurl = ''
        self.lines = 0
        self.urllist = Envariable.get_fd()
    def printQuota(self):
        try:
            if Envariable.get_acs_client():
                client = Envariable.get_acs_client()
            else:
                Envariable.set_acs_client()
                client = Envariable.get_acs_client()
            quotas = DescribeRefreshQuotaRequest()
            quotaResp = json.loads(Envariable.get_acs_client().do_action_with_exception(q
uotas))
        except Exception as e:
            logging.info("\n[error]: initial AcsClient failed\n") and sys.exit(1)
        if Envariable.TASK_TYPE:
            if Envariable.TASK_TYPE == 'push':
                if self.lines > int(quotaResp['PreloadRemain']):
                    sys.exit("\n[error]:PreloadRemain is not enough {0}".format(quotaResp
['PreloadRemain']))
                return True
            if Envariable.TASK_TYPE == 'clear':
                if Envariable.get_task_otype() == 'File' and self.lines > int(quotaResp['
UrlRemain']):
                    sys.exit("\n[error]:UrlRemain is not enough {0}".format(quotaResp['Ur
lRemain']))
                elif Envariable.get_task_otype() == 'Directory' and self.lines > int(quot
aResp['DirRemain']):
                    sys.exit("\n[error]:DirRemain is not enough {0}".format(quotaResp['Di
rRemain']))
                else:
                    return True
    def urlFormat(self):
        with open(self.urllist, "r") as f:
            for line in f.readlines():
                self.lines += 1
                if not re.match(r'^((https)|(http))',line):
                    self.invalidurl = line + '\n' + self.invalidurl
            if self.invalidurl != '':
                sys.exit("\n[error]: URL format is illegal \n{0}".format(self.invalidurl)
)
            return True
class doTask(object):
    def urlencode_pl(inputs_str):
        len_str = len(inputs_str)
        if str == "" or len_str <= 0:
            return ""
        index_j = 0
        index_i = 0
        result_end = ""
        for index_i in range(0, len_str):
            index_sb = index_i + 1
            chs = inputs_str[index_i:index_sb]
            if (chs >= 'A' and chs <= 'Z') or (chs >= 'a' and chs <= 'z') or (chs >= '0'
```

```
and chs <= '9') or (
                    chs == ":") or (chs == "/"):
                if result_end == "":
                    result_end = chs
                else:
                    result_end += chs
            elif chs == ' ':
                result_end += '+'
            elif chs == '.' or chs == '-' or chs == '_' or chs == '*':
                result_end += chs
            else:
                result_end = '%s%%%02X' % (result_end, ord(chs))
        return result_end
    def doProd(self):
        gop = 100
        mins = 1
        maxs = gop
        with open(Envariable.get_fd(), "r") as f:
            for line in f.readlines():
                if mins != maxs:
                    line = line.strip("\n") + "\n"
                else:
                    line = line.strip("\n")
                line = line.strip()
                line = doTask.urlencode_pl(line) + "\n"
                Envariable.LISTS.append(line)
                if mins >= maxs:
                    yield Envariable.LISTS
                    mins = maxs
                    maxs = gop + maxs - 1
                else:
                    mins += 1
            if len(Envariable.LISTS) > 0: yield Envariable.LISTS
    def doRefresh(lists):
        try:
            if Envariable.get_acs_client():
                client = Envariable.get_acs_client()
            else:
                Envariable.set_acs_client()
                client = Envariable.get_acs_client()
            if Envariable.get_task_type() == 'clear':
                taskID = 'RefreshTaskId'
                request = RefreshObjectCachesRequest()
                if Envariable.get_task_otype():
                    request.set_ObjectType(Envariable.get_task_otype())
            elif Envariable.get_task_type() == 'push':
                taskID = 'PushTaskId'
                request = PushObjectCacheRequest()
                if Envariable.get_task_area():
                    request.set_Area(Envariable.get_task_area())
            taskreq = DescribeRefreshTasksRequest()
            request.set_accept_format('json')
            request.set_ObjectPath(lists)
            response = json.loads(client.do_action_with_exception(request))
```

```
            print(response)
            timeout = 0
            while True:
                count = 0
                taskreq.set_accept_format('json')
                taskreq.set_TaskId(int(response[taskID]))
                taskresp = json.loads(client.do_action_with_exception(taskreq))
                print("[" + response[taskID] + "]" + "is doing... ...")
                for t in taskresp['Tasks']['CDNTask']:
                    if t['Status'] != 'Complete':
                        count += 1
                if count == 0:
                    logging.info("[" + response[taskID] + "]" + "is finish")
                    break
                elif timeout > 5:
                    logging.info("[" + response[taskID] + "]" + "timeout")
                    break
                else:
                    timeout += 1
                    time.sleep(5)
                    continue
        except Exception as e:
            logging.info("\n[error]:%s",e) and sys.exit(1)
class Refresh(object):
    def main(self,argv):
        if len(argv) < 1:
            sys.exit("\n[usage]: " + sys.argv[0] + " -h ")
        try:
            opts, args = getopt.getopt(argv, "hi:k:n:r:t:a:o:")
        except Exception as e:
                sys.exit("\n[usage]: " + sys.argv[0] + " -h ")
        for opt, arg in opts:
            if opt == '-h':
                self.helps()
                sys.exit()
            elif opt == '-i':
                Envariable.set_ak(arg)
            elif opt == '-k':
                Envariable.set_sk(arg)
            elif opt == '-r':
                Envariable.set_fd(arg)
            elif opt == '-t':
                Envariable.set_task_type(arg)
            elif opt == '-a':
                Envariable.set_task_area(arg)
            elif opt == '-o':
                Envariable.set_task_otype(arg)
            elif opt == '-q':
                Envariable.set_task_id(arg)
            else:
                sys.exit("\n[usage]: " + sys.argv[0] + " -h \n")
        try:
            if not (Envariable.get_ak() and Envariable.get_sk() and Envariable.get_fd() a
nd Envariable.get_task_type()):
```

```
                sys.exit("\n[error]: Must be by parameter '-i', '-k', '-r', '-t'\n")
            if not (Envariable.get_task_type() in ("push", "clear")):
                sys.exit("\n[error]: taskType Error, '-t' option in 'push' or 'clear'\n")
            if Envariable.get_task_area() and Envariable.get_task_otype():
                sys.exit("\n[error]: -a and -o cannot exist at same time\n")
            if Envariable.get_task_area():
                if not Envariable.get_task_area() in ("domestic","overseas"):
                    sys.exit("\n[error]: Area value Error, '-a' option in 'domestic' or '
overseas'\n")
            if Envariable.get_task_otype():
                if not Envariable.get_task_otype() in ("File", "Directory"):
                    sys.exit("\n[error]: ObjectType value Error, '-a' options in 'File' o
r 'Directory'\n")
                if Envariable.get_task_type() == 'push':
                    sys.exit("\n[error]: -t must be clear and 'push' -a use together\n")
        except Exception as e:
            logging.info("\n[error]: Parameter {0} error\n".format(str(e))) and sys.exit(
1)
        handler = BaseCheck()
        if  handler.urlFormat() and handler.printQuota():
            for g in doTask.doProd(Envariable.get_fd()):
                Envariable.LISTS = []
                doTask.doRefresh(''.join(g))
                time.sleep(1)
    def helps(self):
        print("\nscript options explain: \
                    \n\t -i <AccessKey>                  The AccessKey ID that is used to
log on to Alibaba Cloud. You can view your AccessKey pair in the Alibaba Cloud Management
Console. \
                    \n\t -k <AccessKeySecret>            The AccessKey secret that is use
d to log on to Alibaba Cloud. You can view your AccessKey secret in the Alibaba Cloud Man
agement Console. \
                    \n\t -r <filename>                   The file path and file name. Aft
er the script is executed, the script reads the URLs in the file. Each line contains only
one URL. Encode URLs that contain special characters. The encoded URLs must start with ht
tp or https. \
                    \n\t -t <taskType>                   The type of the task. Set the va
lue to clear to create a refresh task. Set the value to push to create a prefetch task. \
                    \n\t -a [String,<domestic|overseas>  Optional. The regions in which t
he content will be prefetched. The default value is overseas. \
                    \n\t    domestic                    Mainland China only. \
                    \n\t    overseas                    Global (excluding mainland China
). \
                    \n\t -o [String,<File|Directory>]    Optional. The type of resource t
o be refreshed. \
                    \n\t    File                        File (default value). \
                    \n\t    Directory                   Directory.")
#TODO
if __name__ == '__main__':
    fun = Refresh()
    fun.main(sys.argv[1:])
```

After Python is installed, you can run the **python $script -h** command in Windows Command Prompt.

```
script options explain:
              -i <AccessKey>               //The AccessKey ID that is used to log on to Ali
baba Cloud. You can view your AccessKey pair in the Alibaba Cloud Management Console.
              -i <AccessKey>               //The AccessKey secret that is used to log on to
Alibaba Cloud. You can view your AccessKey pair in the Alibaba Cloud Management Console.
              -r <filename>                    //The file path and file name. After the scr
ipt is executed, the script reads the URLs in the file. Each line contains only one URL. En
code URLs that contain special characters. The encoded URLs must start with http or https.
              -t <taskType>                 //The type of the task. Set the value to clear
to create a refresh task. Set the value to push to create a prefetch task.
              -a [String,<domestic|overseas>   //Optional. regions in which the content wil
l be prefetched. The default value is overseas.
                   domestic                   //Mainland China only.
                   overseas                    //Global (excluding Mainland China).

              -o [String,<File|Directory>]    Optional. The type of resource to be refreshe
d.
                   File                            //File (default value).
                   Directory                  //Directory.
```

Sample scripts

In Windows Command Prompt, run the **python Refresh.py -i your AccessKey ID -k your AccessKey secret -r the file names -t clear** command. Example:

```
python Refresh.py -i yourAccessKey -k yourAccessKeySecret -r /root/test/test.lst -t clear
{u'RefreshTaskId': u'8211135448', u'RequestId': u'093602B9-6192-4137-8CCA-0D8C85729DF6'}
[8211135448]is doing... ...
[8211135448]is doing... ...
[8211135448]is doing... ...
[8211135448]is doing... ...
[8211135448]is doing... ...
...
{u'RefreshTaskId': u'8211136701', u'RequestId': u'C1896DDD-003B-41F9-B481-93BC509ED5A3'}
[8211136701]is doing... ...
[8211136701]is doing... ...
...
```

13.Service-related

13.1. OpenCdnService

Activates Alibaba Cloud Content Delivery Network (CDN). You must activate Alibaba Cloud CDN before you can manage domain names in Alibaba Cloud CDN.

> **Note**
> - Alibaba Cloud CDN can be activated only once per Alibaba Cloud account. The Alibaba Cloud account must pass real-name verification.
> - The maximum number of times that each user can call this operation per second is 5.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	OpenCdnService	The operation that you want to perform. Set the value to **OpenCdnService**.
InternetChargeType	String	Yes	PayByTraffic	The metering method of Alibaba Cloud CDN. A value of **PayByTraffic** indicates that the metering method is pay-by-data-transfer.

Response parameters

Parameter	Type	Example	Description
RequestId	String	97C68796-EB7F-4D41-9D5B-12B909D76508	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=OpenCdnService
&InternetChargeType=PayByTraffic
&<Common request parameters>
```

Sample responses

`XML` format

```
<OpenCdnServiceResponse>
      <RequestId>97C68796-EB7F-4D41-9D5B-12B909D76508</RequestId>
</OpenCdnServiceResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
403	Forbidden.Intl	User not authorized to open Intl service.	The error message returned because Alibaba Cloud CDN is available to only selected users.
400	InvalidInternetChargeType.ValueNotSupported	The specified value of parameter "InternetChargeType" is not valid.	The error message returned because the InternetChargeType parameter is set to an invalid value.
400	CdnService.HasOpened	Your cdn service has opened.	The error message returned because you have activated Alibaba Cloud CDN. You do not need to activate the service again.
400	InsufficientBalance	Your account does not have enough balance.	The error message returned because your Alibaba Cloud account has an insufficient balance. Top up your account and try again.
400	NoRealNameAuthentication	Real name authentication is needed.	The error message returned because your Alibaba Cloud account has not passed real-name verification.
403	Forbidden.BidUser	Bid user is limited to open service.	The error message returned because you are not authorized to use this service.
400	FUWU_BIZ_COMMODITY_VERIFY_FAIL_INVALID_PAY_METHOD	INVALID_PAY_METHOD	The error message returned because the specified payment method is invalid.

HttpCode	Error code	Error message	Description
400	FUWU_BIZ_COMMODITY_VERIFY_FAIL_USERPROFILECOMPLETE	MISSING_USERPROFILE	The error message returned because a required user profile is missing.
400	LX_CREATE_ORDER_FAILED	Create order failed	The error message returned because the order failed to be created.

For a list of error codes, visit the API Error Center.

13.2. DescribeCdnService

Queries the status of Alibaba Cloud Content Delivery Network (CDN) under your account. The status information includes the service activation time, current service status, current billing method, and the next billing method to take effect.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnService	The operation that you want to perform. Set the value to **DescribeCdnService**.

Response parameters

Parameter	Type	Example	Description
InternetChargeType	String	PayByTraffic	The current billing method of Alibaba Cloud CDN. • **PayByTraffic**: pay-by-data-transfer. • **PayByBandwidth**: pay-by-bandwidth.
OpeningTime	String	2019-02-28T13:11:49Z	The time when Alibaba Cloud CDN was activated. The time follows the ISO 8601 standard in the yyyy-MM-ddThh:mmZ format.

Parameter	Type	Example	Description
ChangingChargeType	String	PayByTraffic	The next billing method that Alibaba Cloud CDN will use. Valid values: • **PayByTraffic**: pay-by-data-transfer. • **PayByBandwidth**: pay-by-bandwidth.
ChangingAffectTime	String	2019-11-27T16:00:00Z	The time when the next billing method takes effect. The time is displayed in GMT.
OperationLocks	Array of LockReason		The lock status of Alibaba Cloud CDN.
LockReason			
LockReason	String	financial	The reason why Alibaba Cloud CDN is locked. A value of financial indicates that the service is locked due to overdue payments.
InstanceId	String	aliuidxx	The ID of the instance.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.

Examples

Sample requests

```
https://cdn.aliyuncs.com?&Action=DescribeCdnService
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnServiceResponse>
  <ChangingAffectTime>2014-11-27T16:00:00Z</ChangingAffectTime>
  <ChangingChargeType>PayByBandwidth</ChangingChargeType>
  <InternetChargeType>PayByTraffic</InternetChargeType>
  <OpeningTime>2014-02-28T13:11:49Z</OpeningTime>
  <OperationLocks>
</OperationLocks>
  <InstanceId>aliuidxx</InstanceId>
  <RequestId>BFFCDFAD-DACC-484E-9BE6-0AF3B3A0DD23</RequestId>
</DescribeCdnServiceResponse>
```

`JSON` format

```
{
    "ChangingAffectTime": "2014-11-27T16:00:00Z",
    "ChangingChargeType": "PayByBandwidth",
    "InternetChargeType": "PayByTraffic",
    "OpeningTime": "2014-02-28T13:11:49Z",
    "OperationLocks": {
        "LockReason": []
    },
    "InstanceId":"aliuidxx",
    "RequestId": "BFFCDFAD-DACC-484E-9BE6-0AF3B3A0DD23"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	UnsupportedParameter	There is unsupported parameters	The error message returned because the specified parameter value is not supported.

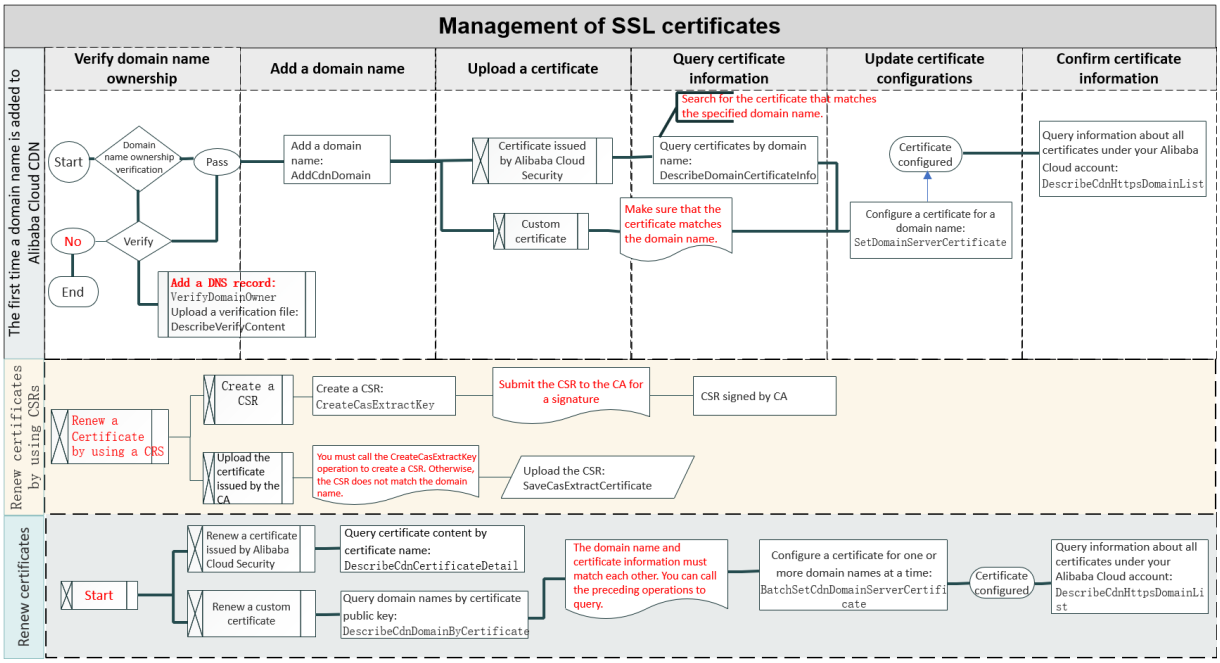
For a list of error codes, visit the API Error Center.

14.Certificate operations

14.1. Manage SSL certificates

Alibaba Cloud CDN provides a wide array of API operations that can be used to manage Secure Sockets Layer (SSL) certificates. The procedures for calling the API operations can be complex. This topic describes the features of the API operations to help you understand and use the API operations.

Procedure for calling the latest CDN API



> **Note** You can renew SSL certificates that are uploaded by using certificate signing requests (CSRs) in the same way as those uploaded by using Alibaba Cloud Security.

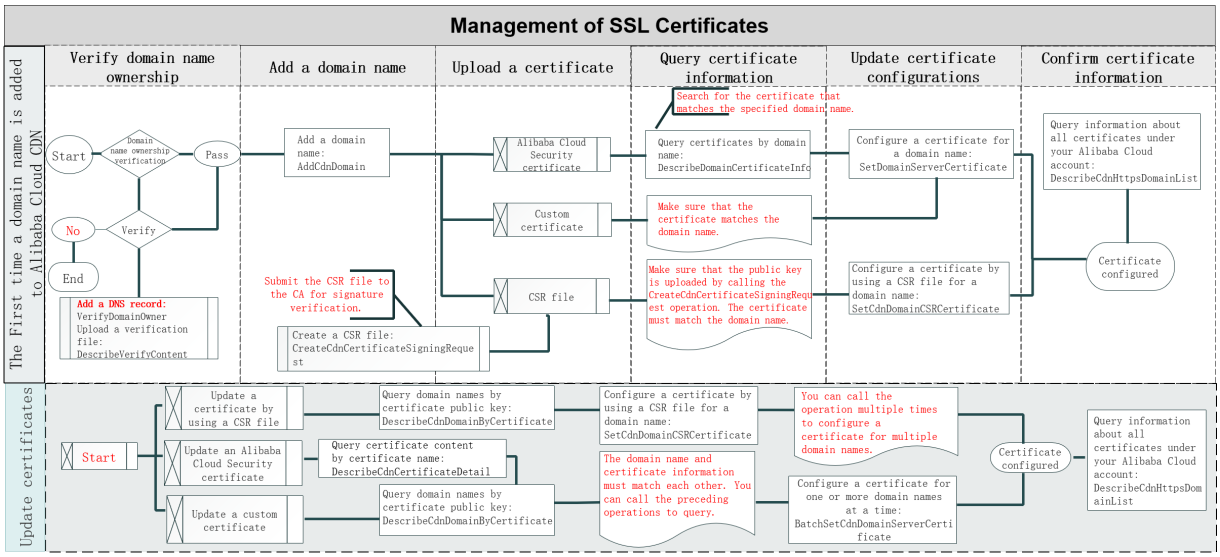
The following table describes the API operations and references.

API operation	Description
AddCdnDomain	Adds a domain name to Alibaba Cloud CDN.
VerifyDomainOwner	Verifies the ownership of a specified domain name.
DescribeVerifyContent	Queries the ownership verification content of an accelerated domain name.
DescribeDomainCertificateInfo	Queries the certificate information about a specified accelerated domain name.
SetDomainServerCertificate	Configures an SSL certificate for an accelerated domain name.
DescribeCdnHttpsDomainList	Queries the information about SSL certificates that belong to your Alibaba Cloud account.

API operation	Description
DescribeCdnCertificateDetail	Queries the detailed information about an SSL certificate.
DescribeCdnDomainByCertificate	Queries accelerated domain names by SSL certificate.
BatchSetCdnDomainServerCertificate	Enables, disables, or modifies the SSL certificates of one or more accelerated domain names.

Procedure for calling the previous CDN API

When you call API operations, we recommend that you follow the procedure for calling the latest CDN API.



For more information, see Certificate management.

14.2. CreateCdnCertificateSigningRequest

You can call this operation to create a certificate signing request (CSR).

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Required	CreateCdnCertificateSigningRequest	The operation that you want to perform. Set the value to **CreateCdnCertificateSigningRequest**.
CommonName	String	Required	CommonName	The Common Name of the SSL certificate.
SANs	String	No	example.com	The Subject Alternative Name (SAN) extension of the SSL certificate. This extension is used to add domain names to the certificate. Separate multiple domain names with commas (,).
Organization	String	No	Alibaba Inc	The name of the organization. Default value: Alibaba Inc.
OrganizationUnit	String	No	Aliyun CDN	The name of the organization unit. Default value: Aliyun CDN.
Country	String	No	CN	The country to which the organization belongs. Default value: CN.
State	String	No	Zhejiang	The provincial district to which the organization belongs. Default value: Zhejiang.
City	String	No	Hangzhou	The city to which the organization belongs. Default value: Hangzhou.
Email	String	No	username@example.com	The email address that can be used to contact the organization.

Response parameters

Parameter	Type	Example	Description
CommonName	String	example.com	The Common Name of the certificate.
Csr	String	CSR content	The content of the CSR.

Parameter	Type	Example	Description
PubMd5	String	629bf4fd8104eda171135bcb0f77****	The MD5 value of the certificate public key.
RequestId	String	0AEDAF20-4DDF-4165-8750-47FF9C1929C9	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=CreateCdnCertificateSigningRequest
&CommonName=CommonName
&SANs=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<CreateCdnCertificateSigningRequestResesponse>
  <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C9</RequestId>
  <CommonName>CommonName</CommonName>
  <Csr>-----BEGIN CERTIFICATE REQUEST-----
MIIC/zqTxxxxx
-----END CERTIFICATE REQUEST-----
</Csr>
  <PubMd5>629bf4fd8104eda171135bcb0f77****</PubMd5>
</CreateCdnCertificateSigningRequestResesponse>
```

`JSON` format

```
{
    "RequestId": "0AEDAF20-4DDF-4165-8750-47FF9C1929C9",
    "CommonName":"CommonName",
    "Csr": "-----BEGIN CERTIFICATE REQUEST-----\nMIIC/zqTxxxxx\n-----END CERTIFICATE REQUES
T-----\n",
    "PubMd5":"629bf4fd8104eda171135bcb0f77****"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.3. DescribeDomainCertificateInfo

Queries the certificate information about an accelerated domain name.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainCertificateInfo	The operation that you want to perform. Set the value to **DescribeDomainCertificateInfo**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name in each query.

Response parameters

Parameter	Type	Example	Description
CertInfos	Array of CertInfo		The information about the SSL certificate.
CertInfo			
CertDomainName	String	example.com	The domain name that matches the SSL certificate.
CertExpireTime	String	2018-06-03T22:03:39Z	The time when the SSL certificate expires.
CertLife	String	months	The unit of the validity period of the SSL certificate. • **months**: The validity period is measured in months. • **years**: The validity period is measured in years.
CertName	String	example.com	The name of the SSL certificate.
CertOrg	String	Let's Encrypt	The name of the certificate authority (CA) that issued the SSL certificate.
CertStartTime	String	2018-06-03T22:03:39Z	The time when the SSL certificate became effective.

Parameter	Type	Example	Description
CertType	String	free	The type of the SSL certificate. Valid values: • **free**: a free SSL certificate. • **cas**: an SSL certificate purchased from Alibaba Cloud SSL Certificates Service. • **upload**: a user-uploaded SSL certificate.
CertUpdateTime	String	2018-06-03T22:03:39Z	The time when the certificate was renewed.
DomainCnameStatus	String	ok	The status of the CNAME of the domain name. • **ok**: The domain name points to the CNAME assigned from Alibaba Cloud Content Delivery Network (CDN). • **cname_error**: An error occurred and the domain name cannot point to the CNAME. • **top_domain_cname_error**: An error occurred to the CNAME of the top-level domain name. The domain name cannot point to the CNAME. • **unsupport_wildcard**: Wildcard domain names are not supported.
DomainName	String	example.com	The accelerated domain name.
ServerCertificate	String	asdadaxxxx	The public key of the SSL certificate.
ServerCertificateStatus	String	on	The status of HTTPS. • **on**: enabled. • **off**: disabled.

Parameter	Type	Example	Description
Status	String	success	The status of the SSL certificate. • **success**: The SSL certificate is effective. • **checking**: The system is checking whether the domain name is accelerated by Alibaba Cloud CDN. • **cname_error**: The domain name is not accelerated by Alibaba Cloud CDN. • **top_domain_cname_error**: The top-level domain name is not an accelerated domain name. • **domain_invalid**: The domain name contains invalid characters. • **unsupport_wildcard**: Wildcard domain names are not supported. • **applying**: The application for a certificate is in progress. • **fget_token_timeout**: The application for a certificate timed out. • **check_token_timeout**: The verification timed out. • **get_cert_timeout**: The request to obtain the certificate timed out. • **failed**: The application for a certificate failed.
RequestId	String	5C1E43DC-9E51-4771-82C0-7D5ECEB547A1	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeDomainCertificateInfo
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainCertificateInfo>
      <CertInfos>
            <CertInfo>
                  <Status>success</Status>
                  <CertLife>3 months</CertLife>
                  <ServerCertificateStatus>on</ServerCertificateStatus>
                  <CertType>cas</CertType>
                  <CertName>example.com</CertName>
                  <CertDomainName>example.com</CertDomainName>
                  <DomainName>example.com</DomainName>
                  <CertOrg>Let's Encrypt</CertOrg>
                  <CertExpireTime>2018-06-03T22:03:39Z</CertExpireTime>
            </CertInfo>
      </CertInfos>
      <RequestId>5C1E43DC-9E51-4771-82C0-7D5ECEB547A1</RequestId>
</DescribeDomainCertificateInfo>
```

`JSON` format

```
{
  "CertInfos": {
    "CertInfo": [
      {
        "Status": "success",
        "CertLife": "3 months",
        "ServerCertificateStatus": "on",
        "CertType": "cas",
        "CertName": "example.com",
        "CertDomainName": "example.com",
        "DomainName": "example.com",
        "CertOrg": "Let's Encrypt",
        "CertExpireTime": "2018-06-03T22:03:39Z"
      }
    ]
  },
  "RequestId": "5C1E43DC-9E51-4771-82C0-7D5ECEB547A1"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.4. SetDomainServerCertificate

Configures a Secure Sockets Layer (SSL) certificate for an accelerated domain name.

> **Note**
> - The maximum number of times that each user can call this operation per second is 10.
> - Method: POST.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	SetDomainServerCertificate	The operation that you want to perform. Set the value to **SetDomainServerCertificate**.
DomainName	String	Yes	example.com	The accelerated domain name for which you want to configure the SSL certificate. The type of request supported by the domain name must be HTTPS. You can specify one domain name in each call.
ServerCertificateStatus	String	Yes	on	Specifies whether to enable the SSL certificate. Valid values: • **on**: enables the SSL certificate. • **off**: disables the SSL certificate. This is the default value.
CertName	String	No	myCert1	The name of the SSL certificate. You can specify only one name.
CertType	String	No	cas	The type of the SSL certificate. Valid values: • **upload**: a user-uploaded SSL certificate. • **cas**: an SSL certificate that is issued by Alibaba Cloud SSL Certificates Service. • **free**: a free SSL certificate. **Note** If this parameter is set to **cas**, the **PrivateKey** parameter is optional.

Parameter	Type	Required	Example	Description
ServerCertificate	String	No	----BEGIN CERTIFICATE----- MIIFz****-----END CERTIFICATE-----	The content of the SSL certificate. Specify the content of the SSL certificate only if you want to enable the SSL certificate.
PrivateKey	String	No	----BEGIN RSA PRIVATE KEY----- QswCQ****---- END RSA PRIVATE KEY-----	The private key. Specify the private key only if you want to enable the SSL certificate.
ForceSet	String	No	1	Specifies whether to check the certificate name for duplicates. If you set the value to 1, the system does not perform the check and overwrites the information of the existing certificate that uses the same name.

Response parameters

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

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=SetDomainServerCertificate
&DomainName=example.com
&CertType=cas
&CertName=myCert1
&ServerCertificateStatus=on
&ServerCertificate=----BEGIN CERTIFICATE----- MIIFz****-----END CERTIFICATE-----
&<Common request parameters>
```

Sample success responses

`XML` format

```
<SetDomainServerCertificateResponse>
   <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C9</RequestId>
</SetDomainServerCertificateResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	Certificate.FormatError	The format of the certificate is invalid.	The error message returned because the format of the specified SSL certificate is invalid.
400	Certificate.NotFind	Not find the certificate info.	The error message returned because the specified SSL certificate does not exist.
400	Certificate.MissMatch	The certificate is not match the private key.	The error message returned because the specified SSL certificate and private key do not match.

For a list of error codes, visit the API Error Center.

14.5. SetCdnDomainCSRCertificate

Configures an SSL certificate for a specified domain name.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different software development kits (SDKs).

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	SetCdnDomainCSRCertificate	The operation that you want to perform. Set the value to **SetCdnDomainCSRCertificate**.

Parameter	Type	Required	Example	Description
DomainName	String	Yes	example.com	The accelerated domain name for which you want to configure an SSL certificate. The domain name must have HTTPS secure acceleration enabled.
ServerCertificate	String	Yes	----BEGIN CERTIFICATE----- MIIFz****-----END CERTIFICATE-----	The content of the certificate. The certificate must match the certificate signing request (CSR) created by calling the CreateCdnCertificateSigningRequest operation. Make sure that the certificate is in the PEM format, and the content of the certificate is encoded in Base64 and then encoded by encodeURIComponent.

Response parameters

Parameter	Type	Example	Description
RequestId	String	0AEDAF20-4DDF-4165-8750-47FF9C1929C9	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=SetCdnDomainCSRCertificate
&DomainName=example.com
&ServerCertificate=----BEGIN CERTIFICATE----- MIIFz****-----END CERTIFICATE-----
&<Common request parameters>
```

Sample success responses

`XML` format

```
<SetCdnDomainCSRCertificateResponse>
  <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C9</RequestId>
</SetCdnDomainCSRCertificateResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	Certificate.MissingParameter	You must specify the Certificate parameter.	The error message returned because the Certificate parameter is not set.
400	Certificate.EncodeError	An error occurred while encoding the certificate.	The error message returned because a certificate encoding error occurred.
400	Certificate.DecodeError	An error occurred while decoding the certificate.	The error message returned because a certificate decoding error occurred.
400	Certificate.FormatError	The format of the certificate is invalid.	The error message returned because the format of the specified SSL certificate is invalid.
400	Certificate.MissMatch	The certificate does not match the domain.	The error message returned because the certificate does not match the specified accelerated domain name.
400	Certificate.NoPrivateKey	The private key of the certificate does not exist.	The error message returned because the specified private key of the certificate does not exist.
500	Internal.ForbidError	You cannot modify the configurations when some features of the domain are in a canary deployment.	The error message returned because a feature of the specified accelerated domain name is in canary release and you cannot modify the configurations.
500	Internal.ConfigError	An error occurred while configuring the certificate.	The error message returned because an error occurred while calling the specified operation.

For a list of error codes, visit the API Error Center.

14.6. DescribeCdnDomainByCertificate

Queries accelerated domain names by SSL certificate.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnDomainByCertificate	The operation that you want to perform. Set the value to **DescribeCdnDomainByCertificate**.
SSLPub	String	Yes	****	The public key of the SSL certificate. You must encode the public key in Base64 and then call the encodeURIComponent function to encode the public key again. The public key must be in the PEM format.

Response parameters

Parameter	Type	Example	Description
CertInfos	Array of CertInfo		The information about the SSL certificate.
CertInfo			
CertCalsLegacy	String	yes	Indicates whether the SSL certificate is obsolete. Valid values: • **yes**: The SSL certificate is obsolete. • **no**: The SSL certificate is working as expected.
CertExpireTime	String	Nov 29 00:00:00 2016 GMT	The time when the SSL certificate expires.
CertExpired	String	yes	Indicates whether the SSL certificate is expired. Valid values: • **yes**: The SSL certificate is expired. • **no**: The SSL certificate is not expired.
CertStartTime	String	Nov 29 23:59:59 2017 GMT	The time when the SSL certificate became effective.

Parameter	Type	Example	Description
CertSubjectCommonName	String	example.com	The name of the SSL certificate owner.
CertType	String	RSA	The type of the certificate. Valid responses: **RSA**, **DSA**, and **ECDSA**.
DomainList	String	example.com,aliyundoc.com	If a value is returned, the value matches the SSL certificate. Multiple domain names are separated with commas (,).
DomainNames	String	*.example.com,aliyundoc.com	The domain names (DNS fields) that match the SSL certificate. Multiple domain names are separated with commas (,).
Issuer	String	C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Validated SSL, CN=Symantec Basic DV SSL CA - G1	The certificate authority that issued the SSL certificate.
RequestId	String	ASAF2FDS-12SADSA-DDSAE3D-DSADCD4C-CDADS2D	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeCdnDomainByCertificate
&SSLPub=****
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnDomainByCertificateResponse>
      <RequestId>ASAF2FDS-12SADSA-DDSAE3D-DSADCD4C-CDADS2D</RequestId>
      <content>
            <Issuer>C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain Vali
dated SSL, CN=Symantec Basic DV SSL CA - G1</Issuer>
            <CertType>RSA</CertType>
            <CertSubjectCommonName>example.com</CertSubjectCommonName>
            <CertStartTime>Nov 29 23:59:59 2017 GMT</CertStartTime>
            <CertExpireTime>Nov 29 00:00:00 2016 GMT</CertExpireTime>
            <DomainNames>*.example.com,aliyundoc.com</DomainNames>
            <DomainList>example.com,aliyundoc.com</DomainList>
            <CertExpired>yes</CertExpired>
            <CertCaIsLegacy>yes</CertCaIsLegacy>
      </content>
</DescribeCdnDomainByCertificateResponse>
```

`JSON` format

```
{
    "RequestId": "ASAF2FDS-12SADSA-DDSAE3D-DSADCD4C-CDADS2D",
    "content": [
        {
            "Issuer": "C=US, O=Symantec Corporation, OU=Symantec Trust Network, OU=Domain V
alidated SSL, CN=Symantec Basic DV SSL CA - G1",
            "CertType": "RSA",
            "CertSubjectCommonName": "example.com",
            "CertStartTime": "Nov 29 23:59:59 2017 GMT",
            "CertExpireTime": "Nov 29 00:00:00 2016 GMT",
            "DomainNames": "*.example.com,aliyundoc.com",
            "DomainList": "example.com,aliyundoc.com",
            "CertExpired": "yes",
            "CertCaIsLegacy": "yes"
        }
     ]
}
```

Error codes

HttpCode	Error code	Error message	Description
400	Certificate.FormatError	The format of the certificate is invalid.	The error message returned because the format of the specified certificate is invalid.
400	Certificate.DecodeError	An error occurred while decoding the certificate.	The error message returned because an error occurred while decoding the certificate.
500	InternalError	The request processing has failed due to backend service exception.	The error message returned because an internal error occurred. Try again later. If the error persists, submit a ticket.

For a list of error codes, visit the API Error Center.

14.7. DescribeCdnCertificateDetail

Queries the detailed information about an SSL certificate.

> **Note** The maximum number of times that each user can call this operation per second is 20.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnCertificateDetail	The operation that you want to perform. Set the value to **DescribeCdnCertificateDetail**.
CertName	String	Yes	cert-15480655xxxx	The ID of the SSL certificate. You can query only one certificate at a time.

Response parameters

Parameter	Type	Example	Description
Cert	String	-----BEGIN CERTIFICATE-----\nMIIFzDCCBLSgAwIBxxxx	The content of the SSL certificate.
CertId	Long	881049	The ID of the SSL certificate.
CertName	String	cert-15480655xxxx	The name of the SSL certificate.
Key	String	xxxx	The key of the SSL certificate.
RequestId	String	0AEDAF20-4DDF-4165-8750-47FF9C1929C9	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeCdnCertificateDetail
&CertName=cert-15480655xxxx
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnCertificateDetailResponse>
  <CertId>881049</CertId>
  <RequestId>34D625D3-E316-460C-B87D-85BB5AD8AEAD</RequestId>
  <CertName>cert-15480655xxxx</CertName>
  <Cert>-----BEGIN CERTIFICATE-----
MIIFzDCCBLSgAwIBxxxx</Cert>
  <Key>xxxx</Key>
</DescribeCdnCertificateDetailResponse>
```

`JSON` format

```
{
    "CertId": 881049,
    "RequestId": "34D625D3-E316-460C-B87D-85BB5AD8AEAD",
    "CertName": "cert-15480655xxxx",
    "Cert": "-----BEGIN CERTIFICATE-----\nMIIFzDCCBLSgAwIBxxxx",
    "Key":"xxxx"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.8. DescribeCdnCertificateList

Queries the list of SSL certificates configured for accelerated domain names.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnCertificateList	The operation that you want to perform. Set the value to **DescribeCdnCertificateList**.

Parameter	Type	Required	Example	Description
DomainName	String	No	example.com	The accelerated domain names. Separate multiple accelerated domain names with commas (,). If you do not specify an ID, SSL certificates of all your accelerated domain names are queried.

Response parameters

Parameter	Type	Example	Description
CertificateListModel	Struct		The data type of the SSL certificate information.
CertList	Array of Cert		The details about each SSL certificate.
Cert			
CertId	Long	1	The ID of the SSL certificate.
CertName	String	Certificate 1	The name of the SSL certificate.
Common	String	example.com	The Common Name (CN) attribute of the SSL certificate. In most cases, the value is a domain name.
Fingerprint	String	2ED68FD33786C5B42950D40A6C50353575BB****	The fingerprint of the SSL certificate.
Issuer	String	CO****	The certificate authority (CA) that issued the SSL certificate.
LastTime	Long	1512388610	The timestamp when the SSL certificate was issued.

Parameter	Type	Example	Description
Count	Integer	2	The number of SSL certificates returned.
RequestId	String	FC0E34AC-0239-44A7-AB0E-800DE522C8DA	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeCdnCertificateList
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnCertificateListResponse>
<Count>2</Count>
<CertList>
    <Cert>
        <CertName>Certificate1</CertName>
        <Issuer>CO****</Issuer>
        <LastTime>1512388610</LastTime>
        <CertId>1</CertId>
        <Common>test</Common>
        <Fingerprint>2ED68FD33786C5B42950D40A6C50353575BB****</Fingerprint>
    </Cert>
    <Cert>
        <CertName>Certificate2</CertName>
        <Issuer>CO****</Issuer>
        <LastTime>1512388659</LastTime>
        <CertId>2</CertId>
        <Common>test</Common>
        <Fingerprint>2ED68FD33786C5B42950D40A6C50353575BB****</Fingerprint>
    </Cert>
</CertList>
<RequestId>FC0E34AC-0239-44A7-AB0E-800DE522C8DA</RequestId>
<DescribeCdnCertificateListResponse>
```

`JSON` format

```
{
        "Count": 2,
        "CertList": {
            "Cert": [
                {
                    "CertName": "Certificate 1",
                    "Issuer": "CO****",
                    "LastTime": 1512388610,
                    "CertId": 1,
                    "Common": "test",
                    "Fingerprint": "2ED68FD33786C5B42950D40A6C50353575BB****"
                },
                {
                    "CertName": "Certificate 2",
                    "Issuer": "CO****",
                    "LastTime": 1512388659,
                    "CertId": 2,
                    "Common": "test",
                    "Fingerprint": "2ED68FD33786C5B42950D40A6C50353575BB****"
                }
            ]
    },
    "RequestId": "FC0E34AC-0239-44A7-AB0E-800DE522C8DA"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.9. DescribeCertificateInfoByID

Queries the information about a specific SSL certificate.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCertificateInfoByID	The operation that you want to perform. Set the value to **DescribeCertificateInfoByID**.

Parameter	Type	Required	Example	Description
CertId	String	Yes	1644xx	The ID of the SSL certificate. You can query only one SSL certificate at a time.

Response parameters

Parameter	Type	Example	Description
CertInfos	Array of CertInfo		The information about the SSL certificate.
CertInfo			
CertExpireTime	String	2098-02-08 08:02:07 +0000 UTC	The time when the SSL certificate expires.
CertId	String	1644xx	The ID of the SSL certificate.
CertName	String	example_cert	The name of the SSL certificate.
CertType	String	cas	The type of the SSL certificate. Valid values: • free: a free SSL certificate. • cas: an SSL certificate purchased from Alibaba Cloud SSL Certificates Service. • upload: a user-uploaded SSL certificate.
CreateTime	String	2015-12-21 08:02:07 +0000 UTC	The time when the SSL certificate became effective.
DomainList	String	["example.com"]	The list of domain names that use the SSL certificate.
HttpsCrt	String	-----BEGIN CERTIFICATE----- \nxxx-----END CERTIFICATE-----\n	The content of the SSL certificate.
RequestId	String	5C1E43DC-9E51-4771-82C0-7D5ECEB547A1	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeCertificateInfoByID
&CertId=1644xx
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCertificateInfoByIDResponse>
  <CertInfos>
        <CertInfo>
              <CertId>1644xx</CertId>
              <CertName>example_cert</CertName>
              <CreateTime>2015-12-21 08:02:07 +0000 UTC</CreateTime>
              <HttpsCrt>-----BEGIN CERTIFICATE-----
xxx-----END CERTIFICATE-----
</HttpsCrt>
              <CertType>cas</CertType>
              <CertExpireTime>2098-02-08 08:02:07 +0000 UTC</CertExpireTime>
              <DomainList>example.com</DomainList>
        </CertInfo>
  </CertInfos>
  <RequestId>5C1E43DC-9E51-4771-82C0-7D5ECEB547A1</RequestId>
</DescribeCertificateInfoByIDResponse>
```

`JSON` format

```
{
  "CertInfos": {
    "CertInfo": [{
        "CertId": "1644xx",
        "CertName": "example_cert",
        "CreateTime": "2015-12-21 08:02:07 +0000 UTC",
        "HttpsCrt": "-----BEGIN CERTIFICATE-----\nxxx-----END CERTIFICATE-----\n",
        "CertType": "cas",
        "CertExpireTime": "2098-02-08 08:02:07 +0000 UTC",
        "DomainList": ["example.com"]
      }]
  },
  "RequestId": "5C1E43DC-9E51-4771-82C0-7D5ECEB547A1"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.10. BatchSetCdnDomainServerCertificate

Enables, disables, or modifies the SSL certificates of one or more accelerated domain names at a time.

> **Note**
> - The maximum number of times that each user can call this operation per second is 10.
> - You can specify multiple domain names (no more than 50) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	BatchSetCdnDomainServerCertificate	The operation that you want to perform. Set the value to **BatchSetCdnDomainServerCertificate**.
DomainName	String	Yes	example.com	The accelerated domain name to which the SSL certificate belongs. The type of request supported by the accelerated domain name must be HTTPS. You can specify multiple accelerated domain names and separate them with commas (,). **Note** You can manage the SSL certificates of up to 50 accelerated domain names in each call.
SSLProtocol	String	Yes	on	Specifies whether to enable the SSL certificate. Valid values: - **on**: enables the SSL certificate. - **off**: disables the SSL certificate. This is the default value.
SSLPub	String	No	yourSSLPub	The content of the SSL certificate. Specify the content of the certificate only if you want to enable the SSL certificate.

Parameter	Type	Required	Example	Description
SSLPri	String	No	yourSSLPri	The private key. Specify the private key only if you enable the SSL certificate.
CertName	String	No	yourCertName	The name of the certificate.
CertType	String	No	cas	The type of the SSL certificate. Valid values: • **upload**: a user-uploaded SSL certificate. • **cas**: a certificate that is issued by SSL Certificates Service.
Region	String	No	your region	The region.
ForceSet	String	No	1	Specifies whether to check the certificate name for duplicates. If you set the value to 1, the system does not perform the check and overwrites the information about the existing certificate that uses the same name.

Response parameters

Parameter	Type	Example	Description
RequestId	String	0AEDAF20-4DDF-4165-8750-47FF9C1929C9	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=BatchSetCdnDomainServerCertificate
&DomainName=example.com
&SSLProtocol=on
&SSLPub=xxx
&SSLPri=yyy
&<Common request parameters>
```

Sample success responses

`XML` format

```
<BatchSetCdnDomainServerCertificateResponse>
      <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C9</RequestId>
</BatchSetCdnDomainServerCertificateResponse>
```

`JSON` format

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

Error codes

HttpCode	Error code	Error message	Description
400	Certificate.FormatError	The format of the certificate is invalid.	The error message returned because the format of the specified SSL certificate is invalid.

For a list of error codes, visit the API Error Center.

14.11. DescribeCdnHttpsDomainList

Queries the information about the SSL certificates under your Alibaba Cloud account.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnHttpsDomainList	The operation that you want to perform. Set the value to **DescribeCdnHttpsDomainList**.
PageNumber	Integer	No	5	The number of the page to return. Valid values: **1** to **100000**.
PageSize	Integer	No	20	The maximum number of entries to return on each page. Default value: **20**.

Parameter	Type	Required	Example	Description
Keyword	String	No	com	The keyword used for search.

Response parameters

Parameter	Type	Example	Description
CertInfos	Array of CertInfo		The information about the SSL certificate.
CertInfo			
CertCommonName	String	*.com	The Common Name on the SSL certificate.
CertExpireTime	String	2018-12-26 14:45:09	The time when the SSL certificate expires.
CertName	String	xxx	The name of the SSL certificate.
CertStartTime	String	2018-11-26 14:45:09	The time when the SSL certificate became effective.
CertStatus	String	mismatch	The status of the SSL certificate. Valid values: • **ok**: The SSL certificate is working as expected. • **mismatch**: The SSL certificate does not match the specified domain name. • **expired**: The SSL certificate has expired. • **expire_soon**: The SSL certificate will expire soon.
CertType	String	free	The type of the SSL certificate. Valid values: • **free**: a free SSL certificate. • **cas**: an SSL certificate purchased from Alibaba Cloud SSL Certificates Service. • **upload**: a user uploaded certificate.
CertUpdateTime	String	2019-01-08 18:33:16	The time when the certificate was renewed.
DomainName	String	example.com	The accelerated domain name.

Parameter	Type	Example	Description
RequestId	String	F5E8DF64-7175-4186-9B06-F002C0BBD0C5	The ID of the request.
TotalCount	Integer	16	The total number of entries returned.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DescribeCdnHttpsDomainList
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnHttpsDomainListResponse>
      <CertInfos>
            <CertInfo>
                  <CertUpdateTime>2019-01-08 18:33:16</CertUpdateTime>
                  <CertType></CertType>
                  <CertName></CertName>
                  <DomainName>example.com</DomainName>
                  <CertStatus>mismatch</CertStatus>
                  <CertExpireTime>2018-12-26 14:45:09</CertExpireTime>
                  <CertStartTime>2018-11-26 14:45:09</CertStartTime>
                  <CertCommonName>*.com</CertCommonName>
            </CertInfo>
      </CertInfos>
      <TotalCount>16</TotalCount>
      <RequestId>F5E8DF64-7175-4186-9B06-F002C0BBD0C5</RequestId>
</DescribeCdnHttpsDomainListResponse>
```

`JSON` format

```
{
    "CertInfos": {
        "CertInfo": [
            {
                "CertUpdateTime": "2019-01-08 18:33:16",
                "CertType": "",
                "CertName": "",
                "DomainName": "example.com",
                "CertStatus": "mismatch",
                "CertExpireTime": "2018-12-26 14:45:09",
                "CertStartTime": "2018-11-26 14:45:09",
                "CertCommonName": "*.com"
            }
        ]
    },
    "TotalCount": 16,
    "RequestId": "F5E8DF64-7175-4186-9B06-F002C0BBD0C5"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.12. DescribeUserCertificateExpireCount

Queries the number of domain names whose SSL certificates are about to expire or have already expired.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeUserCertificateExpireCount	The operation that you want to perform. Set the value to **DescribeUserCertificateExpireCount**.

Response parameters

Parameter	Type	Example	Description
ExpireWithin30DaysCount	Integer	0	The number of domain names whose SSL certificates are about to expires within 30 days.
ExpiredCount	Integer	6	The number of domain names whose SSL certificates have already expired.
RequestId	String	F5E8DF64-7175-4186-9B06-F002C0BBD0C5	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DescribeUserCertificateExpireCount
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeUserCertificateExpireCount>
      <ExpiredCount>6</ExpiredCount>
      <ExpireWithin30DaysCount>0</ExpireWithin30DaysCount>
      <RequestId>F5E8DF64-7175-4186-9B06-F002C0BBD0C5</RequestId>
  </DescribeUserCertificateExpireCount>
```

`JSON` format

```
{
    "ExpiredCount": 6,
    "ExpireWithin30DaysCount": 0,
    "RequestId": "F5E8DF64-7175-4186-9B06-F002C0BBD0C5"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.13. SetCdnDomainSMCertificate

Enables or disables a ShangMi (SM) certificate for a domain name.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Name	Type	Required	Example	Description
Action	String	Yes	SetCdnDomainSMCertificate	The operation that you want to perform. Set the value to **SetCdnDomainSMCertificate**.
CertIdentifier	String	Yes	1234****	The ID of the SM certificate that you want to configure.
DomainName	String	Yes	example.com	The accelerated domain name for which you want to configure the SM certificate. **Note** The domain name uses HTTPS secure acceleration.
SSLProtocol	String	Yes	on	Specifies whether to enable the SSL certificate. Valid values: • **on**: enables the SSL certificate. • **off**: disables the SSL certificate.

Response parameters

Name	Type	Example	Description
RequestId	String	0AEDAF20-4DDF-4165-8750-47FF9C1929C8	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=SetCdnDomainSMCertificate&DomainName=example.com&CertIdentifier=1234****&SSLProtocol=on
&<Common request parameters>
```

Sample success responses

`XML` format

```
<SetCdnDomainSMCertificateResponse>
  <RequestId>0AEDAF20-4DDF-4165-8750-47FF9C1929C8</RequestId>
</SetCdnDomainSMCertificateResponse>
```

`JSON` format

```
{
    "RequestId": "0AEDAF20-4DDF-4165-8750-47FF9C1929C8"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.14. DescribeCdnSMCertificateList

Queries the ShangMi (SM) certificates of an accelerated domain name.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Name	Type	Required	Example	Description
Action	String	Yes	DescribeCdnSMCertificateList	The operation that you want to perform. Set the value to DescribeCdnSMCertificateList.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name in each request.

Response parameters

Name	Type	Example	Description
CertificateListModel	Struct		The type of the certificate information.
CertList	Array of Cert		A list of certificates.

Name	Type	Example	Description
Cert			
CertIdentifier	String	yourCertIdentifier	The ID of the certificate.
CertName	String	yourCertName	The name of the certificate.
Common	String	yourCertCommon	The common name of the certificate.
Issuer	String	yourCertIssuer	The certificate authority (CA) that issued the certificate.
Count	Integer	2	The number of certificates that are returned.
RequestId	String	DC0E34AC-0239-44A7-AB0E-800DE522C8DC	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnSMCertificateList
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnSMCertificateListResponse>
  <CertificateListModel>
        <Count>2</Count>
        <CertList>
              <Cert>
                    <CertName>yourCertName1</CertName>
                    <Issuer>yourCertIssuer1</Issuer>
                    <CertIdentifier>yourCertIdentifier1</CertIdentifier>
                    <Common>yourCertCommon1</Common>
              </Cert>
              <Cert>
                    <CertName>yourCertName2</CertName>
                    <Issuer>yourCertIssuer2</Issuer>
                    <CertIdentifier>yourCertIdentifier2</CertIdentifier>
                    <Common>yourCertCommon2</Common>
              </Cert>
        </CertList>
  </CertificateListModel>
  <RequestId>DC0E34AC-0239-44A7-AB0E-800DE522C8DC</RequestId>
</DescribeCdnSMCertificateListResponse>
```

`JSON` format

```
{
    "CertificateListModel": {
        "Count": 2,
        "CertList": {
            "Cert": [
                {
                    "CertName": "yourCertName1",
                    "Issuer": "yourCertIssuer1",
                    "CertIdentifier": "yourCertIdentifier1",
                    "Common": "yourCertCommon1"
                },
                {
                    "CertName": "yourCertName2",
                    "Issuer": "yourCertIssuer2",
                    "CertIdentifier": "yourCertIdentifier2",
                    "Common": "yourCertCommon2"
                }
            ]
        }
    },
    "RequestId": "DC0E34AC-0239-44A7-AB0E-800DE522C8DC"
}
```

Error codes

For a list of error codes, visit the API Error Center.

14.15. DescribeCdnSMCertificateDetail

Queries the details about a ShangMi (SM) certificate.

> **Note** You can call this operation up to 20 times per second.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Name	Type	Required	Example	Description
Action	String	Yes	DescribeCdnSMCertificateDetail	The operation that you want to perform. Set the value to DescribeCdnSMCertificateDetail.
CertIdentifier	String	Yes	648****-cn-hangzhou	The ID of the certificate.

Response parameters

Name	Type	Example	Description
CertExpireTime	String	2022-08-31T09:42:28Z	The time when the certificate expires. The time is displayed in UTC.
CertIdentifier	String	648****-cn-hangzhou	The ID of the certificate.
CertName	String	yourCertName	The name of the certificate.
CertOrg	String	DigiCert Inc	The certificate authority (CA) that issued the certificate.
CommonName	String	example.com	The top-level domain name.
EncryptCertificate	String	-BEGIN CERTIFICATE-----***-----END CERTIFICATE--	The content of the encryption certificate.
RequestId	String	A7C69682-7F88-40DD-A198-10D0309E439D	The ID of the request.
Sans	String	***.example.com	The subdomain name.

Name	Type	Example	Description
SignCertificate	String	--BEGIN CERTIFICATE-----***-----END CERTIFICATE--	The content of the signature certificate.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnSMCertificateDetail
&CertIdentifier=648****-cn-hangzhou
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnSMCertificateDetailResponse>
  <SignCertificate>--BEGIN CERTIFICATE-----***-----END CERTIFICATE--</SignCertificate>
  <EncryptCertificate>--BEGIN CERTIFICATE-----***-----END CERTIFICATE--</EncryptCertificate
>
  <CertName>yourCerName</CertName>
  <CertIdentifier>648****-cn-hangzhou</CertIdentifier>
  <CommonName>example.com</CommonName>
  <Sans>***.example.com</Sans>
  <CertOrg>DigiCert Inc</CertOrg>
  <CertExpireTime>2022-08-31T09:42:28Z</CertExpireTime>
  <RequestId>A7C69682-7F88-40DD-A198-10D0309E439D</RequestId>
</DescribeCdnSMCertificateDetailResponse>
```

`JSON` format

```
{
    "SignCertificate": "--BEGIN CERTIFICATE-----***-----END CERTIFICATE--",
    "EncryptCertificate": "--BEGIN CERTIFICATE-----***-----END CERTIFICATE--",
    "CertName": "yourCerName",
    "CertIdentifier": "648****-cn-hangzhou",
    "CommonName": "example.com",
    "Sans": "***.example.com",
    "CertOrg": "DigiCert Inc",
    "CertExpireTime": "2022-08-31T09:42:28Z",
    "RequestId": "A7C69682-7F88-40DD-A198-10D0309E439D"
}
```

Error codes

For a list of error codes, visit the API Error Center.

15.Tag management operations

15.1. TagResources

Adds tags to a resource.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer automatically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	TagResources	The operation that you want to perform. Set the value to **TagResources**.
ResourceId.N	RepeatList	Yes	1	The ID of the resource. Valid values of N: **1** to **50**.
ResourceType	String	Yes	DOMAIN	The type of resource. The resource type. Set the value to **DOMAIN**.
Tag.N.Key	String	Yes	env	The key of the tag. Valid values of N: **1** to **20**.
Tag.N.Value	String	No	value	The value of the tag. Valid values of N: **1** to **20**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	97C68796-EB7F-4D41-9D5B-12B909D76508	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=TagResources
&ResourceId.1=1
&ResourceType=DOMAIN
&Tag.1.Key=env
&Tag.1.Value=''
&<Common request parameters>
```

Sample success responses

`XML` format

```
<TagResourcesResponse>
      <RequestId>97C68796-EB7F-4D41-9D5B-12B909D76508</RequestId>
</TagResourcesResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

15.2. DescribeTagResources

Queries the tags that are attached to specified resources.

> **Note** The maximum number of times that each user can call this operation per second is 10.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeTagResources	The operation that you want to perform. Set the value to **DescribeTagResources**.

Parameter	Type	Required	Example	Description
ResourceId.N	RepeatList	Yes	1	The ID of the resource for which tags are queried. Specify an accelerated domain name as the resource ID. Valid values of N: **1** to **50**.
ResourceType	String	Yes	DOMAIN	The resource type. Set the value to **DOMAIN**.
Tag.N.Key	String	No	key	The key of the tag. Valid values of N: **1** to **20**.
Tag.N.Value	String	No	value	The value of the tag. Valid values of N: **1** to **20**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	34AB41F1-04A5-496F-8C8D-634BDBE6A9FB	The ID of the request.
TagResources	Array of TagResource		The tags that are attached to the specified resource.
ResourceId	String	1	The ID of the resource.
Tag	Array of Tag		The key-value pair of the tag.
Key	String	env	The key of the tag.
Value	String	product	The value of the tag.

Examples

Sample requests

```
https://cdn.aliyuncs.com/?Action=DescribeTagResources
&ResourceId.1=1
&ResourceType=DOMAIN
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeTagResourcesResponse>
      <TagResources>
            <ResourceId>1</ResourceId>
            <Tag>
                  <Value>product</Value>
                  <Key>env</Key>
            </Tag>
      </TagResources>
      <RequestId>34AB41F1-04A5-496F-8C8D-634BDBE6A9FB</RequestId>
</DescribeTagResourcesResponse>
```

`JSON` format

```
{
  "TagResources": [
    {
      "ResourceId": "1",
      "Tag": [
        {
          "Value": "product",
          "Key": "env"
        }
      ]
    }
  ],
  "RequestId": "34AB41F1-04A5-496F-8C8D-634BDBE6A9FB"
}
```

Error codes

For a list of error codes, visit the API Error Center.

15.3. DescribeUserTags

Queries user tags.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeUserTags	The operation that you want to perform. Set the value to **DescribeUserTags**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	34AB41F1-04A5-496F-8C8D-634BDBE6A9FB	The ID of the request.
Tags	Array of Tag		The list of tags returned.
Key	String	env	The key of the tag.
Value	List	product	The value of the tag.

Examples

Sample requests

```
https://cdn.aliyuncs.com/?Action=DescribeUserTags
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeUserTagsResponse>
      <Tags>
            <Key>env</Key>
            <Value>product</Value>
            <Value>pre</Value>
            <Value>daily</Value>
      </Tags>
      <Tags>
            <Key>region</Key>
            <Value>hangzhou</Value>
      </Tags>
      <RequestId>34AB41F1-04A5-496F-8C8D-634BDBE6A9FB</RequestId>
</DescribeUserTagsResponse>
```

`JSON` format

```
{
  "Tags": [
    {
      "Key": "env",
      "Value": [
        "product",
        "pre",
        "daily"
      ]
    },
    {
      "Key": "region",
      "Value": [
        "hangzhou"
      ]
    }
  ],
  "RequestId": "34AB41F1-04A5-496F-8C8D-634BDBE6A9FB"
}
```

Error codes

For a list of error codes, visit the API Error Center.

15.4. UntagResources

Removes tags from a resource.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer automatically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	UntagResources	The operation that you want to perform. Set the value to **UntagResources**.
ResourceId.N	RepeatList	Yes	example.com	The ID of the resource. Valid values of N: **1** to **50**.

Parameter	Type	Required	Example	Description
ResourceType	String	Yes	DOMAIN	The type of resource. The resource type. Set the value to **DOMAIN**.
TagKey.N	RepeatList	No	env	The key of the tag. Valid values of N: **1** to **20**.
All	Boolean	No	false	Specifies whether to delete all tags. Valid values: • **true**: yes. • **false**: no. Default value: **false**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	97C68796-EB7F-4D41-9D5B-12B909D76508	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=UntagResources
&ResourceId.1=example.com
&ResourceType=DOMAIN
&TagKey.1=env
&<Common request parameters>
```

Sample success responses

`XML` format

```
<UntagResourcesResponse>
      <RequestId>97C68796-EB7F-4D41-9D5B-12B909D76508</RequestId>
</UntagResourcesResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

16.Operations report management

16.1. CreateCdnSubTask

Customizes an operations report.

> **Note**
> - You can customize an operations report for a specific domain name. Then, you can view statistics about the domain name in the report.
> - The maximum number of times that each user can call this operation per second is 3.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateCdnSubTask	The operation that you want to perform. Set the value to **CreateCdnSubTask**.

Parameter	Type	Required	Example	Description
ReportIds	String	Yes	1,3,5	You can specify metrics that you want to include in the report. Separate metrics with commas (,). Valid values: • **1**: frequently requested URLs (ranked by the number of requests) • **3**: frequently requested URLs (ranked by the amount of network traffic) • **5**: frequently used referer headers (ranked by the number of requests) • **7**: frequently used referer headers (ranked by the amount of network traffic) • **9**: frequently requested back-to-origin URLs (ranked by the number of requests) • **11**: frequently requested back-to-origin URLs (ranked by the amount of network traffic) • **13**: top client IP addresses (ranked by the number of requests) • **15**: top client IP addresses (ranked by the amount of network traffic) • **17**: domain names ranked by the amount of network traffic • **19**: page views and unique visitors • **21**: regions from which requests are initiated • **23**: distribution of Internet service providers (ISPs)
Status	String	No	enable	The status of the operations report. Valid values: • **enable**: enabled • **disable**: disabled **Note** The Status parameter is reserved. You do not need to set it.

Parameter	Type	Required	Example	Description
DomainName	String	No	example.com,aliyundoc.com	The domain names that you want to include in the operations report. Separate domain names with commas (,). If you do not specify a domain name, all domain names that belong to your Alibaba Cloud account are included.
StartTime	String	No	2021-06-02T00:00:00Z	The time when the operations report takes effect. Specify the time in the ISO 8601 standard in the YYYY-MM-DDTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2021-07-02T00:00:00Z	The time when the operations report ends. Specify the time in the ISO 8601 standard in the YYYY-MM-DDTHH:mm:ssZ format. The time must be in UTC.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=CreateCdnSubTask
&ReportIds=1,3,5
&<Common request parameters>
```

Sample success responses

`XML` format

```
<CreateCdnSubTaskResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</CreateCdnSubTaskResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

16.2. CreateCdnDeliverTask

Creates a tracking task that generates operations reports. The tracking task sends operations reports to a specified email address based on a specified schedule.

> **Note** The maximum number of times that each user can call this operation per second is 3.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateCdnDeliverTask	The operation that you want to perform. Set the value to **CreateCdnDeliverTask**.
Deliver	Json	Yes	{"email": {"subject":"the email subject","to": ["username@example.com","username@example.org"]}}	The method by which operations reports are sent. Operations reports are sent to you only through emails. The report content must be escaped in JSON.
Name	String	Yes	Domain name report	The name of the operations report.
Reports	String	Yes	[{\"reportId\":1,\"conditions\": [{\"field\":\"prov\",\"op\":\"in\",\"value\": [\"Heilongjiang\",\"Beijing\"]}]}]	The information about the operations report. The information must be escaped in JSON.

Parameter	Type	Required	Example	Description
Schedule	Json	Yes	{"schedName":"the name of the tracking task","the description":"description","crontab":"000**?","frequency":"d","status":"enable","effectiveFrom":"2020-09-17T00:00:00Z","effectiveEnd":"2020-11-17T00:00:00Z"}	The parameters that specify the time interval at which the tracking task sends operations reports. The settings must be escaped in JSON.
Status	String	No	enable	The status of the tracking task. Valid values: • **enable**: enabled • **disable**: disabled **Note** The Status parameter is reserved. You do not need to set it.
DomainName	String	No	example.com,aliyundoc.com	The domain names that you want to include in the operations report. Separate domain names with commas (,). If you do not specify a domain name, all domain names that belong to your Alibaba Cloud account are included.

Fields of the Reports parameter

Filed	Type	Required	Description
reportId	String	Yes	The ID of the report.
conditions	ConDatas[]	No	The filter conditions for the report.

Fields of the conditions parameter

Field	Type	Required	Description
field	String	No	The filter fields.
op	String	No	The filter action. Only **in** is supported.
value	String[]	No	An array of fields values.

Fields of the Deliver parameter

Field	Type	Required	Description
subject	String	Yes	The email subject.
to	String[]	Yes	The email addresses to which operations reports are sent.

Fields of the Schedule parameter

Field	Type	Required	Description
schedName	String	Yes	The name of the tracking task.
description	String	Yes	The description of the tracking task.
crontab	String	Yes	The time interval at which the tracking task runs.

Field	Type	Required	Description
frequency	String	Yes	The time interval at which the tracking task sends reports. Valid values: h: every hour d: every day w: every week
status	String	Yes	The status of the tracking task. Valid values: enable: enabled disable: disabled
effectiveFrom	String	Yes	The time when the tracking task starts.
effectiveEnd	String	Yes	The time when the tracking task ends.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=CreateCdnDeliverTask
&Deliver={"email":{"subject":"the email subject","to":["username@example.com","username@example.org"]}}
&Name=Domain name report
&Reports=[{\"reportId\":1,\"conditions\":[{\"field\":\"prov\",\"op\":\"in\",\"value\":[\"Heilongjiang\",\"Beijing\"]}]}]
&Schedule={"schedName":"the name of the tracking task","the description":"description","crontab":"000**?","frequency":"d","status":"enable","effectiveFrom":"2020-09-17T00:00:00Z","effectiveEnd":"2020-11-17T00:00:00Z"}
&<Common request parameters>
```

Sample success responses

`XML` format

```
<CreateCdnDeliverTaskResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</CreateCdnDeliverTaskResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

16.3. DescribeCdnSubList

Queries a tracking task.

> **Note**
> - The maximum number of times that each user can call this operation per second is 3.
> - By default, this operation queries all tracking tasks. However, only one tracking task can be displayed. Therefore, only one tracking task is returned.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnSubList	The operation that you want to perform. Set the value to **DescribeCdnSubList**.

Parameter	Type	Required	Example	Description
Status	String	No	enable	The status of the tracking task. Valid values: • **enable**: enabled • **disable**: disabled **Note** The Status parameter is reserved. You do not need to set it.

Response parameters

Parameter	Type	Example	Description
Content	String	"data": [{"subId": 336,"reportId": [5,7],"createTime": "2021-07-05T06:18:46Z","domains": ["example.com"],"effectiveFrom": "2021-07-05T06:18:46Z","effectiveEnd": "2021-10-05T06:18:46Z","status": "enable"}]	The information about the tracking task.
RequestId	String	3250A51D-C11D-46BA-B6B3-95348EEDE652	The ID of the request.

Fields of the Content parameter

Field	Type	Description
subId	Long	The ID of the request.
reportId	Long[]	The ID of the operations report.
createTime	String	The time when the operations report was created.

Field	Type	Description
domains	String[]	The domain names from which the tracking task collects data.
effectiveFrom	String	The start time of the tracking task.
effectiveEnd	String	The end time of the tracking task.
status	String	The status of the tracking task. Valid values: enable: enabled disable: disabled

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnSubList
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnSubListResponse>
  <RequestId>3250A51D-C11D-46BA-B6B3-95348EEDE652</RequestId>
  <Content>
        <data>
              <subId>336</subId>
              <reportId>5</reportId>
              <reportId>7</reportId>
              <createTime>2021-07-05T06:18:46Z</createTime>
              <domains>example.com</domains>
              <effectiveFrom>2021-07-05T06:18:46Z</effectiveFrom>
              <effectiveEnd>2021-10-05T06:18:46Z</effectiveEnd>
              <status>enable</status>
        </data>
  </Content>
</DescribeCdnSubListResponse>
```

`JSON` format

```
{
  "RequestId": "3250A51D-C11D-46BA-B6B3-95348EEDE652",
  "Content": {
    "data": [
      {
        "subId": 336,
        "reportId": [
          5,
          7
        ],
        "createTime": "2021-07-05T06:18:46Z",
        "domains": [
          "example.com"
        ],
        "effectiveFrom": "2021-07-05T06:18:46Z",
        "effectiveEnd": "2021-10-05T06:18:46Z",
        "status": "enable"
      }
    ]
  }
}
```

Error codes

For a list of error codes, visit the API Error Center.

16.4. DescribeCdnReport

Queries the content of a specified operations report.

> **Note**
> - The maximum number of times that each user can call this operation per second is 3.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnReport	The operation that you want to perform. Set the value to **DescribeCdnReport**.

Parameter	Type	Required	Example	Description
EndTime	String	Yes	2021-07-02T01:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the YYYY-MM-DDTHH:mm:ssZ format. The time must be in UTC.
ReportId	Long	Yes	1	The ID of the operations report that you want to query. You can enter only one ID in each call. You can call the DescribeCdnSubList operations to query report IDs.
StartTime	String	Yes	2021-07-02T00:00:00Z	The start of the time range to query. Specify the time in the ISO 8601 standard in the YYYY-MM-DDTHH:mm:ssZ format. The time must be in UTC.
DomainName	String	No	example.com,aliyundoc.com	The domain names that you want to query. Separate domain names with commas (,).
Area	String	No	shanghai	The region. You can call the DescribeCdnRegionAndIsp operation to query the most recent region list. • If you do not specify a region, all regions are queried. • If you specify a region, data in the specified region is returned. You can specify one or more regions. Separate regions with commas (,).
IsOverseas	String	No	0	Specify whether the region is outside mainland China. Valid values: • **1**: outside mainland China • **0**: inside mainland China

Parameter	Type	Required	Example	Description
HttpCode	String	No	2xx	The HTTP status codes. Valid values: • **2xx**: HTTP 2xx status codes • **3xx**: HTTP 3xx status codes • **4xx**: HTTP 4xx status codes • **5xx**: HTTP 5xx status codes If you do not specify an HTTP status code, all HTTP status codes are queried.

Parameters required by each report metric

Report metric	Required parameter	Description
PV and UV	Action, ReportId, DomainName, StartTime, and EndTime	Other parameters are not supported.
Top client IP addresses (ranked by the amount of network traffic)	Action, ReportId, DomainName, Area, StartTime, and EndTime	Other parameters are not supported.
Top client IP addresses (ranked by the number of requests)	Action, ReportId, DomainName, Area, StartTime, and EndTime	Other parameters are not supported.
Distribution of requests by region	Action, ReportId, DomainName, IsOverseas, StartTime, and EndTime	Other parameters are not supported.
Distribution of ISPs	Action, ReportId, DomainName, IsOverseas, StartTime, and EndTime	Other parameters are not supported.
Frequently used referer headers (ranked by the amount of network traffic)	Action, ReportId, DomainName, StartTime, and EndTime	Other parameters are not supported.
Frequently used referer headers (ranked by the number of requests)	Action, ReportId, DomainName, StartTime, and EndTime	Other parameters are not supported.

Report metric	Required parameter	Description
Frequently requested URLs (ranked by the amount of network traffic)	Action, ReportId, DomainName, HttpCode, StartTime, and EndTime	Other parameters are not supported.
Frequently requested URLs (ranked by the number of requests)	Action, ReportId, DomainName, HttpCode, StartTime, and EndTime	Other parameters are not supported.
Frequently requested back-to-origin URLs (ranked by the amount of network traffic)	Action, ReportId, DomainName, HttpCode, StartTime, and EndTime	Other parameters are not supported.
Frequently requested back-to-origin URLs (ranked by the number of requests)	Action, ReportId, DomainName, HttpCode, StartTime, and EndTime	Other parameters are not supported.
Domain names ranked by the amount of network traffic	Action, ReportId, StartTime, and EndTime	Other parameters are not supported.

Response parameters

Parameter	Type	Example	Description
Content	String	"data":[{"deliver":{"report":{"title":"TopUrlByAcc","format":"table","shape":"","header":["url","traf","traf_rate","acc","acc_rate"]}}	The content of the operations report.
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Fields of the Content parameter

Filed	Type	Description
deliver	report	The type of the report.

Filed	Type	Description
data	String[]	The content in the operations report, for example, [{"Header Field 1":"value1","Header Field 2":"value2"}, {"Header Field 1":"value3","Header Field 2":"value4"}].

Fields of the report parameter

Filed	Type	Description
title	String	The title of the report.
format	String	The type of the operations report. Valid values: chart: chart table: table
shape	String	The type of the chart. When format is set to table, ignore this field. Valid values: line: line chart pie: pie chart bar: bar chart
header	String[]	The fields that are used as the table headers.
legend	String	The fields that are used as the legends.
xAxis	String	The x-axis of the chart. If you do not specify a value, the chart does not have an x-axis.
yAxis	String	The y-axis of the chart. If you do not specify a value, the chart does not have a y-axis.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnReport
&DomainName=example.com,aliyundoc.com
&ReportId=1
&StartTime=2021-07-02T00:00:00Z
&EndTime=2021-07-02T01:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnReportResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
  <Content>
        <data>
              <deliver>
                    <report>
                          <title>TopUrlByAcc</title>
                          <format>table</format>
                          <shape></shape>
                          <header>url</header>
                          <header>traf</header>
                          <header>traf_rate</header>
                          <header>acc</header>
                          <header>acc_rate</header>
                    </report>
              </deliver>
              <data>
                    <acc>440</acc>
                    <acc_rate>0.200%</acc_rate>
                    <traf>22</traf>
                    <url>http://example.com</url>
                    <traf_rate>0.100%</traf_rate>
              </data>
              <data>
                    <acc>440</acc>
                    <acc_rate>0.200%</acc_rate>
                    <traf>22</traf>
                    <url>http://aliyundoc.com</url>
                    <traf_rate>0.100%</traf_rate>
              </data>
        </data>
  </Content>
</DescribeCdnReportResponse>
```

`JSON` format

```
{
    "RequestId":"04F0F334-1335-436C-A1D7-6C044FE73368",
    "Content":{
        "data":[
            {
                "deliver":{
                    "report":{
                        "title":"TopUrlByAcc",
                        "format":"table",
                        "shape":"",
                        "header":[
                            "url",
                            "traf",
                            "traf_rate",
                            "acc",
                            "acc_rate"
                        ]
                    }
                },
                "data":[
                        {
                            "acc":440,
                            "acc_rate":"0.200%",
                            "traf":22,
                            "url":"http://example.com",
                            "traf_rate":"0.100%"
                        },
                        {
                            "acc":440,
                            "acc_rate":"0.200%",
                            "traf":22,
                            "url":"http://aliyundoc.com",
                            "traf_rate":"0.100%"
                        }
                ]
            }
        ]
    }
}
```


Error codes

For a list of error codes, visit the API Error Center.

16.5. DescribeCdnReportList

Queries operations reports.

> **Note**
> - This operation queries the metadata of all operations reports. The statistics in the reports are not returned.
> - The maximum number of times that each user can call this operation per second is 3.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnReportList	The operation that you want to perform. Set the value to **DescribeCdnReportList**.
ReportId	Long	No	1	The ID of the operations report that you want to query. If you do not specify an ID, all operations reports are queried.
Status	String	No	enable	The status of the corresponding tracking task of the operations report. Valid values: • **enable**: enabled • **disable**: disabled **Note** The Status parameter is reserved. You do not need to set it.
Permission	String	No	public	The permissions on the operations report. Valid values: • **public**: public report • **private**: private report **Note** The type of report returned is based on the specified permissions. If you do not specify permissions, both public and private reports are queried.

Response parameters

Parameter	Type	Example	Description
Content	String	"data": [{"reportId":1,"deliver":{"report":{"title":"DomainPvUv","format":"chart","shape":"line","xAxis":"ds","yAxis":"cnt","legend":"cnt_type","header":["ds","cnt_type","cnt"]}}}	The information about the report that is queried.
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Fields of the Content parameter

Field	Type	Description
reportId	Long	The ID of the request.
deliver	report	The type of the report.

Fields of the report parameter

Parameter	Type	Field
title	String	The title of the report.
format	String	The type of the report. Valid values: chart: chart table: table
shape	String	The type of the chart. When format is set to table, ignore this parameter. Valid values: line: line chart pie: pie chart bar: bar chart

Parameter	Type	Field
header	String[]	The fields that are used as the table headers.
legend	String	The fields that are used as the legends.
xAxis	String	The x-axis of the chart. If you do not specify a value, the chart does not have an x-axis.
yAxis	String	The y-axis of the chart. If you do not specify a value, the chart does not have a y-axis.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnReportList
&ReportId=1
&Permission=public
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnReportListResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
  <Content>
        <data>
              <reportId>1</reportId>
              <deliver>
                    <report>
                          <title>DomainPvUv</title>
                          <format>chart</format>
                          <shape>line</shape>
                          <xAxis>ds</xAxis>
                          <yAxis>cnt</yAxis>
                          <legend>cnt_type</legend>
                          <header>ds</header>
                          <header>cnt_type</header>
                          <header>cnt</header>
                    </report>
              </deliver>
        </data>
        <data>
              <reportId>3</reportId>
              <deliver>
                    <report>
                          <format>table</format>
                          <shape>line</shape>
                          <header>url</header>
                          <header>traf</header>
                          <header>traf_rate</header>
                          <header>acc</header>
                          <header>acc_rate</header>
                          <title>TopUrlByAcc</title>
                    </report>
              </deliver>
        </data>
  </Content>
</DescribeCdnReportListResponse>
```

`JSON` format

```
{
    "RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368",
    "Content": {
        "data": [
            {
                  "reportId":1,
                  "deliver":{
                      "report":{
                          "title":"DomainPvUv",
                          "format":"chart",
                          "shape":"line",
                          "xAxis":"ds",
                          "yAxis":"cnt",
                          "legend":"cnt_type",
                          "header":[
                              "ds",
                              "cnt_type",
                              "cnt"
                          ]
                      }
                  }
            },
            {
                 "reportId":3,
                 "deliver":{
                     "report":{
                         "format":"table",
                         "shape":"line",
                         "header":[
                             "url",
                             "traf",
                             "traf_rate",
                             "acc",
                             "acc_rate"
                         ],
                         "title":"TopUrlByAcc"
                     }
                 }
            }
        ]
    }
}
```


Error codes

For a list of error codes, visit the API Error Center.

16.6. DescribeCdnDeliverList

Queries one or more tracking tasks of operations reports.

> **Note** The maximum number of times that each user can call this operation per second is 3.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnDeliverList	The operation that you want to perform. Set the value to **DescribeCdnDeliverList**.
DeliverId	Long	No	92	The ID of the task that you want to query. If you do not specify an ID, all tracking tasks are queried.
Status	String	No	enable	The status of the tracing task. Valid values: • **enable**: enabled • **disable**: disabled **Note** The Status parameter is reserved. You do not need to set it.

Response parameters

Parameter	Type	Example	Description

Parameter	Type	Example	Description
Content	String	"data": [{"deliverId": 92,"status": "enable","createTime": "2021-06-14T11:19:26Z","crontab": "0 0 0 * * ?","frequency": "d","name": "Domain name report","dmList": ["www.example.com"],"reports": [{"reportId": 1,"conditions": [{"op": "in","field": "prov","value": ["Heilongjiang","Beijing"]}]},{"reportId": 3}],"deliver": {"email": {"subject": "Subject","to": ["username@example.com","username@example.org"],"copy": ["username@example.com","username@example.org"]}}}]}	The information about the tracking task.
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Fields of the Content parameter

Field	Type	Description
deliverId	Long	The ID of the tracking task.
deliverId	String	The status of the tracking task. Valid values: enable: enabled disable: disabled
createTime	String	The time when the tracking task was created.

Field	Type	Description
crontab	String	The time interval at which the tracking task runs.
frequency	String	The time interval at which the tracking task sends reports. Valid values: h: every hour d: every day M: every month
name	String	The name of the tracking task.
dmList	String[]	The domain names from which the tracking task collects data.
reports	String[]	The information about the reports released by the tracking task. The following parameters are included: reportId: the ID of the report. conditions: the filter conditions, including the filter action, fields, and values. If no filter conditions are specified, this parameter does not carry a value. op: the filter action. Only **in** is supported. field: the filter fields. value: the filter values.
deliver	String	The delivery module, including the subject and recipient of the email. email: indicates that reports are sent to specified email addresses. subject: the subject of the email. to: the recipient of the email. copy: the contacts to whom the email is copied.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnDeliverList
&DeliverId=92
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnDeliverListResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
  <Content>
        <data>
              <deliverId>92</deliverId>
              <status>enable</status>
              <createTime>2021-06-14T11:19:26Z</createTime>
              <crontab>0 0 0 * * ?</crontab>
              <frequency>d</frequency>
              <name>Domain name report</name>
              <dmList>www.example.com</dmList>
              <reports>
                    <reportId>1</reportId>
                    <conditions>
                          <op>in</op>
                          <field>prov</field>
                          <value>Heilongjiang</value>
                          <value>Beijing</value>
                    </conditions>
              </reports>
              <reports>
                    <reportId>3</reportId>
              </reports>
              <deliver>
                    <email>
                          <subject>Subject</subject>
                          <to>username@example.com</to>
                          <to>username@example.org</to>
                          <copy>username@example.com</copy>
                          <copy>username@example.org</copy>
                    </email>
              </deliver>
        </data>
  </Content>
</DescribeCdnDeliverListResponse>
```

`JSON` format

```
{
    "RequestId": "04F0F334-1335-436C-A1D7-6C044FE73368",
    "Content": {
        "data": [
            {
                "deliverId": 92,
                "status": "enable",
                "createTime": "2021-06-14T11:19:26Z",
                "crontab": "0 0 0 * * ?",
                "frequency": "d",
                "name": "Domain name report",
                "dmList": [
                    "www.example.com"
                ],
                "reports": [
                    {
                        "reportId": 1,
                        "conditions": [
                            {
                                "op": "in",
                                "field": "prov",
                                "value": [
                                    "Heilongjiang",
                                    "Beijing"
                                ]
                            }
                        ]
                    },
                    {
                        "reportId": 3
                    }
                ],
                "deliver": {
                    "email": {
                        "subject": "Subject",
                        "to": [
                            "username@example.com",
                            "username@example.org"
                        ],
                        "copy":[
                            "username@example.com",
                            "username@example.org"
                        ]
                    }
                }
            }
        ]
    }
}
```


Error codes

For a list of error codes, visit the API Error Center.

16.7. UpdateCdnSubTask

Updates one or more operations reports.

> **Note**
> - The maximum number of times that each user can call this operation per second is 3.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	UpdateCdnSubTask	The operation that you want to perform. Set the value to **UpdateCdnSubTask**.
Status	String	No	enable	The status of the operations report. Valid values: • **enable**: enabled • **disable**: disabled **Note** The Status parameter is reserved. You do not need to set it.
ReportIds	String	No	1,3,5	The IDs of operations reports that you want to update. Separate IDs with commas (,).
DomainName	String	No	www.example.com	The domain names that you want to include in the operations report. If you do not specify a domain name, all domain names that belong to your Alibaba Cloud account are included.

Parameter	Type	Required	Example	Description
StartTime	String	No	2021-04-17T00:00:00Z	The start time of the operations report. Specify the time in the ISO 8601 standard in the YYYY-MM-DDTHH:mm:ssZ format. The time must be in UTC.
EndTime	String	No	2021-06-17T00:00:00Z	The end time of the operations report. Specify the time in the ISO 8601 standard in the YYYY-MM-DDTHH:mm:ssZ format. The time must be in UTC.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=UpdateCdnSubTask
&ReportIds=1,3,5
&DomainName=www.example.com
&StartTime=2021-04-17T00:00:00Z
&EndTime=2021-06-17T00:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<UpdateCdnSubTaskResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</UpdateCdnSubTaskResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

16.8. UpdateCdnDeliverTask

Updates a tracking task.

> **Note**
> - The maximum number of times that each user can call this operation per second is 3.
> - You can specify multiple domain names (no more than 500) and separate them with commas (,).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	UpdateCdnDeliverTask	The operation that you want to perform. Set the value to **UpdateCdnDeliverTask**.
DeliverId	Long	Yes	92	The ID of the tracking task that you want to update.
Name	String	No	Domain name report	The name of the tracking task.
Status	String	No	enable	The status of the tracking task. Valid values: • **enable**: enabled • **disable**: disabled **Note** The Status parameter is reserved. You do not need to set it.

Parameter	Type	Required	Example	Description
Reports	String	No	[{\"reportId\":1,\"conditions\":[{\"field\":\"prov\",\"op\":\"in\",\"value\":[\"Heilongjiang\",\"Beijing\"]}]}]	The information about the operations report. The information must be escaped in JSON.
DomainName	String	No	www.example.com	The domain names that you want to include in the operations report. Separate domain names with commas (,). If you do not specify a domain name, all domain names that belong to your Alibaba Cloud account are included.
Deliver	Json	No	{"email":{"subject":"the email subject","to":["username@example.com","username@example.org"]}}	The method by which operations reports are sent. Operations reports are sent to you only through emails. The report content must be escaped in JSON.
Schedule	Json	No	{"schedName":"the name of the tracking task","description":"the description","crontab":"000**?","frequency":"d","status":"enable","effectiveFrom":"2020-09-17T00:00:00Z","effectiveEnd":"2020-11-17T00:00:00Z"}	The parameters that specify the time interval at which the tracking task sends operations reports. The settings must be escaped in JSON.

Fields of the Reports parameter

Field	Type	Required	Description
reportId	String	Yes	The ID of the operations report.

Field	Type	Required	Description
conditions	ConDatas[]	No	The filter conditions for the report.

Fields of the conditions parameter

Field	Type	Required	Description
field	String	No	The filter fields.
op	String	No	The filter action. Only **in** is supported.
value	String[]	No	An array of fields values.

Fields of the Deliver parameter

Field	Type	Required	Description
subject	String	Yes	The email subject.
to	String[]	Yes	The email addresses to which operations reports are sent.

Fields of the Schedule parameter

Field	Type	Required	Description
schedName	String	Yes	The name of the tracking task.
description	String	Yes	The description of the tracking task.
crontab	String	Yes	The time interval at which the tracking task runs.

Field	Type	Required	Description
frequency	String	Yes	The time interval at which the tracking task sends reports. Valid values: **h**: every hour **d**: every day **w**: every week
status	String	Yes	The status of the tracking task. Valid values: **enable**: enabled **disable**: disabled
effectiveFrom	String	Yes	The time when the tracking task starts.
effectiveEnd	String	Yes	The time when the tracking task ends.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=UpdateCdnDeliverTask
&DeliverId=92
&Name=Domain name report
&Reports=[{\"reportId\":1,\"conditions\":[{\"field\":\"prov\",\"op\":\"in\",\"value\":[\"He
ilongjiang\",\"Beijing\"]}]}]
&DomainName=www.example.com
&Deliver={"email":{"subject":"the email subject","to":["username@example.com","username@exa
mple.org"]}}
&Schedule={"schedName":"the name of the tracking task","description":"the description","cro
ntab":"000**?","frequency":"d","status":"enable","effectiveFrom":"2020-09-17T00:00:00Z","ef
fectiveEnd":"2020-11-17T00:00:00Z"}
&<Common request parameters>
```

Sample success responses

`XML` format

```
<UpdateCdnDeliverTaskResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</UpdateCdnDeliverTaskResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

16.9. DeleteCdnSubTask

Deletes an operations report.

> **Note** The maximum number of times that each user can call this operation per second is 3.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DeleteCdnSubTask	The operation that you want to perform. Set the value to **DeleteCdnSubTask**.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DeleteCdnSubTask
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DeleteCdnSubTaskResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</DeleteCdnSubTaskResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

16.10. DeleteCdnDeliverTask

Deletes tracking tasks by task ID.

> **Note** The maximum number of times that each user can call this operation per second is 3.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DeleteCdnDeliverTask	The operation that you want to perform. Set the value to **DeleteCdnDeliverTask**.
DeliverId	Long	Yes	92	The IDs of the tracking tasks that you want to delete. You can call the DescribeCdnDeliverList operation to query task IDs.

Response parameters

Parameter	Type	Example	Description
RequestId	String	04F0F334-1335-436C-A1D7-6C044FE73368	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DeleteCdnDeliverTask
&DeliverId=92
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DeleteCdnDeliverTaskResponse>
  <RequestId>04F0F334-1335-436C-A1D7-6C044FE73368</RequestId>
</DeleteCdnDeliverTaskResponse>
```

`JSON` format

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

Error codes

For a list of error codes, visit the API Error Center.

17.Auxiliary tool operations

17.1. DescribeCdnUserQuota

Queries the quotas and usage of Alibaba Cloud CDN resources.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnUserQuota	The operation that you want to perform. Set the value to **DescribeCdnUserQuota**.

Response parameters

Parameter	Type	Example	Description
BlockQuota	Integer	100	The maximum number of URLs and directories that can be blocked.
BlockRemain	Integer	100	The remaining number of URLs and directories that can be blocked.
DomainQuota	Integer	50	The maximum number of accelerated domain names that can be added to Alibaba Cloud CDN.
PreloadQuota	Integer	500	The maximum number of URLs that can be prefetched.
PreloadRemain	Integer	100	The remaining number of URLs that can be prefetched.
RefreshDirQuota	Integer	100	The maximum number of directories that can be refreshed.

Parameter	Type	Example	Description
RefreshDirRemain	Integer	500	The remaining number of directories that can be refreshed.
RefreshUrlQuota	Integer	2000	The maximum number of URLs that can be refreshed.
RefreshUrlRemain	Integer	2000	The remaining number of URLs that can be refreshed.
RequestId	String	EF4F084A-2F49-4E1C-9CA0-DC85BCE7F391	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeCdnUserQuota
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnUserQuotaResponse>
    <PreloadRemain>500</PreloadRemain>
    <RefreshUrlRemain>2000</RefreshUrlRemain>
    <DomainQuota>50</DomainQuota>
    <RefreshDirRemain>100</RefreshDirRemain>
    <RequestId>EF4F084A-2F49-4E1C-9CA0-DC85BCE7F391</RequestId>
    <BlockRemain>100</BlockRemain>
    <RefreshUrlQuota>2000</RefreshUrlQuota>
    <BlockQuota>100</BlockQuota>
    <PreloadQuota>500</PreloadQuota>
    <RefreshDirQuota>100</RefreshDirQuota>
</DescribeCdnUserQuotaResponse>
```

`JSON` format

```
{
    "PreloadRemain": 500,
    "RefreshUrlRemain": 2000,
    "DomainQuota": 50,
    "RefreshDirRemain": 100,
    "RequestId": "EF4F084A-2F49-4E1C-9CA0-DC85BCE7F391",
    "BlockRemain": 100,
    "RefreshUrlQuota": 2000,
    "BlockQuota": 100,
    "PreloadQuota": 500,
    "RefreshDirQuota": 100
}
```

Error codes

For a list of error codes, visit the API Error Center.

17.2. Auxiliary tool

17.2.1. DescribeIpInfo

Checks whether a specified IP address is assigned to an Alibaba Cloud Content Delivery Network (CDN) node.

> **Note** The maximum number of times that each user can call this operation per second is 50.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeIpInfo	The operation that you want to perform. Set the value to **DescribeIpInfo**.
IP	String	Yes	1.2.3.4	The IP address that you want to query. You can specify only one IP address in each request.

Response parameters

Parameter	Type	Example	Description

Parameter	Type	Example	Description
RequestId	String	123847FA-9A00-4426-83B8-B4B45D475930	The ID of the request.
CdnIp	String	True	Indicates whether the specified IP address is assigned to an Alibaba Cloud CDN node. • **True**: Yes • **False**: No
ISP	String	China Telecom	The Chinese name of the Internet service provider (ISP).
Region	String	China-Guizhou-Guiyang	The Chinese name of the region.
IspEname	String	telecom	The English name of the ISP.
RegionEname	String	China-Guizhou-guiyang	The English name of the region.

Examples

Sample requests

```
http://cdn.aliyuncs.com/?Action=DescribeIpInfo
&IP=1.2.3.4
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeIpInfoResponse>
  <RegionEname>China-Guizhou-guiyang</RegionEname>
  <Region>China-Guizhou-Guiyang</Region>
  <IspEname>telecom</IspEname>
  <RequestId>1B1D0EE7-9559-489D-BC4E-279495EB8FB8</RequestId>
  <ISP>China Telecom</ISP>
  <CdnIp>True</CdnIp>
</DescribeIpInfoResponse>
```

`JSON` format

```
{
    "RegionEname": "China-Guizhou-guiyang",
    "Region": "China-Guizhou-Guiyang",
    "IspEname": "telecom",
    "RequestId": "1B1D0EE7-9559-489D-BC4E-279495EB8FB8",
    "ISP": "China Telecom",
    "CdnIp": "True"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidIP.ValueNotSupported	The specified value of parameter IP is not supported.	The error message returned because the specified IP address is invalid. Check the IP address and try again.
400	MissingParameter	The specified value of parameter "IP" is not valid.	The error message returned because the value of the IP parameter is invalid.

For a list of error codes, visit the API Error Center.

17.2.2. DescribeStagingIp

Queries node IP addresses in the staging environment.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeStagingIp	The operation that you want to perform. Set the value to **DescribeStagingIp**.

Response parameters

Parameter	Type	Example	Description
IPV4s	List	"IPV4s":{ "IPV4": ["xx.xx.xx.xx","xx.xx.xx.xx","xx.xx.xx.xx"] }	The IPv4 addresses of the nodes.
RequestId	String	1B9E0E83-24AC-49F4-9EE0-BF5EB03E8381	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeStagingIp
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeStagingIpResponse>
  <IPV4s>
        <IPV4>xx.xx.xx.xx</IPV4>
        <IPV4>xx.xx.xx.xx</IPV4>
        <IPV4>xx.xx.xx.xx</IPV4>
  </IPV4s>
  <RequestId>1B9E0E83-24AC-49F4-9EE0-BF5EB03E8381</RequestId>
</DescribeStagingIpResponse>
```

`JSON` format

```
{
     "IPV4s":{
          "IPV4":["xx.xx.xx.xx","xx.xx.xx.xx","xx.xx.xx.xx"]
              },
      "RequestId":"1B9E0E83-24AC-49F4-9EE0-BF5EB03E8381"
   }
```

Error codes

For a list of error codes, visit the API Error Center.

17.2.3. DescribeL2VipsByDomain

Queries the virtual IP addresses of L2 CDN edge nodes for a specific domain name.

> **Note**
> - This operation is available only to users whose daily peak bandwidth value is higher than 1 Gbit/s. If you meet this requirement, you can submit a ticket to apply for permissions to use this operation.
> - The maximum number of times that each user can call this operation per second is 40.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeL2VipsByDomain	The operation that you want to perform. Set the value to **DescribeL2VipsByDomain**.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.

Response parameters

Parameter	Type	Example	Description
DomainName	String	example.com	The accelerated domain name.
Vips	List	"Vip": ["1.1.1.1/25", "2.2.2.2/25"]	A list of virtual IP addresses.
RequestId	String	16A96B9A-F203-4EC5-8E43-CB92E68F4CD8	The ID of the request.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeL2VipsByDomain
&DomainName=example.com
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeL2VipsByDomainResponse>
      <Vips>
            <Vip>xxx.111.111/25</Vip>
            <Vip>xxx.112.112/25</Vip>
            <Vip>xxx.33.190/25</Vip>
            <Vip>xxx.96.109/25</Vip>
            <Vip>xxx.20.226/25</Vip>
            <Vip>xxx.19.140/25</Vip>
            <Vip>xxx.215.140/25</Vip>
      </Vips>
      <RequestId>820E7900-5CA9-4AEF-B0DD-20ED5F64BE55</RequestId>
      <DomainName>example.com</DomainName>
</DescribeL2VipsByDomainResponse>
```

`JSON` format

```
{
  "Vips": {
    "Vip": [
      "xxx.111.111/25",
      "xxx.112.112/25",
      "xxx.33.190/25",
      "xxx.96.109/25",
      "xxx.20.226/25",
      "xxx.19.140/25",
      "xxx.215.140/25"
    ]
  },
  "RequestId": "820E7900-5CA9-4AEF-B0DD-20ED5F64BE55",
  "DomainName": "example.com"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	The specified value of parameter "DomainName" can not be empty.	The error message returned because the DomainName parameter is not set.
400	IllegalOperation	Illegal domain operate is not permitted.	The error message returned because the specified operation is invalid.

For a list of error codes, visit the API Error Center.

17.2.4. ListFCTrigger

Queries the Function Compute trigger that is set for an Alibaba Cloud CDN event.

> **Note** The maximum number of times that each user can call this operation per second is 100.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	No	ListFCTrigger	The operation that you want to perform. Set the value to **ListFCTrigger**.
EventMetaName	String	Yes	LogFileCreated	The name of the event for which the Function Compute trigger is set. You can specify only one name.
EventMetaVersion	String	Yes	1.0.0	The version number of the event. You can specify only one version number.

Response parameters

Parameter	Type	Example	Description
FCTriggers	Array of FCTrigger		The information about the Function Compute trigger returned.
EventMetaName	String	LogFileCreated	The name of the event for which the Function Compute trigger is set.
EventMetaVersion	String	1.0.0	The version of the event for which the Function Compute trigger is set.
Notes	String	Test	The remarks for the event.
RoleARN	String	acs:ram::1234567890:role/aliyuncdneventnotificationrole	The Resource Access Management (RAM) role.

Parameter	Type	Example	Description
SourceArn	String	acs:cdn:*:1234567890:domain/example.com	The resources and filters for event listening.
TriggerARN	String	acs:fc:cn-beijing:1234567890:services/FCTestService/functions/printEvent/triggers/testtrigger	The trigger corresponding to the Function Compute service.
RequestId	String	EC046C5D-8CB4-4B6B-B7F8-B335E51EF90E	The ID of the request.

The format of the **SourceARN** parameter is:

```
acs:cdn:{RegionID}:{AccountID}:{Filter}
```

where **Filter** indicates the resource and filter in the format of **{FilterName}/{FilterValue}**. If multiple values are returned for **FilterValue**, the values are enclosed with braces (**{}**) and separated by commas (,).

For example, the LogFileCreated event supports a filter of which **FilterName** is set to **domain**. Function Compute can be triggered only by **example.com** if **Filter** is set to **domain/example.com**. Function Compute can be triggered by multiple domain names if **Filter** is set to:

```
domain/{example.com,aliyundoc.com}
```

Filters are separated by forward slashes (/) and the logical operator between the filters is **AND**. In this case, the format of SourceARN is:

```
acs:cdn:{RegionID}:{AccountID}:{Filter1}/{Filter2}...
```

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=ListFCTrigger
&EventMetaName=LogFileCreated
&EventMetaVersion=1.0.0
&<Common request parameters>
```

Sample success responses

`XML` format

```
<ListFCTriggerResponse>
      <FCTriggers>
            <Notes>Test</Notes>
            <SourceArn>acs:cdn:*:1234567890:domain/example.com</SourceArn>
            <EventMetaVersion>1.0.0</EventMetaVersion>
            <EventMetaName>LogFileCreated</EventMetaName>
            <RoleARN>acs:ram:: 1234567890:role/aliyuncdneventnotificationrole</RoleARN>
            <TriggerARN>acs:fc:cn-beijing: 1234567890:services/FCTestService/functions/prin
tEvent/triggers/testtrigger</TriggerARN>
      </FCTriggers>
      <RequestId>EC046C5D-8CB4-4B6B-B7F8-B335E51EF90E</RequestId>
</ListFCTriggerResponse>
```

`JSON` format

```
{
  "FCTriggers": [
    {
      "Notes": "Test",
      "SourceArn": "acs:cdn:*:1234567890:domain/example.com",
      "EventMetaVersion": "1.0.0",
      "EventMetaName": "LogFileCreated",
      "RoleARN": "acs:ram:: 1234567890:role/aliyuncdneventnotificationrole",
      "TriggerARN": "acs:fc:cn-beijing: 1234567890:services/FCTestService/functions/printEv
ent/triggers/testtrigger"
    }
  ],
  "RequestId": "EC046C5D-8CB4-4B6B-B7F8-B335E51EF90E"
}
```

Error codes

For a list of error codes, visit the API Error Center.

17.2.5. DescribeCdnRegionAndIsp

Queries Internet service providers (ISPs) and regions that are supported by Alibaba Cloud CDN.

> **Notice**
> - The lists of ISPs and regions that are supported by Alibaba Cloud CDN are updated and published on the Alibaba Cloud International site.
> - The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeCdnRegionAndIsp	The operation that you want to perform. Set the value to **DescribeCdnRegionAndIsp**.

Response parameters

Parameter	Type	Example	Description
Isps	Array of Isp		A list of ISPs.
Isp			
NameEn	String	unicom	The English name of the region.
NameZh	String	联通	The Chinese name of the ISP.
Regions	Array of Region		A list of regions.
Region			
NameEn	String	liaoning	The English name of the region.
NameZh	String	辽宁省	The Chinese name of the region.
RequestId	String	2387C335-932C-4E1E-862C-1C4363B6DE72	The ID of the request.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeCdnRegionAndIsp
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeCdnRegionAndIspResponse>
  <Isps>
        <Isp>
              <NameZh>电信</NameZh>
              <NameEn>telecom</NameEn>
        </Isp>
```

```
        <Isp>
              <NameZh>移动</NameZh>
              <NameEn>mobile</NameEn>
        </Isp>
        <Isp>
              <NameZh>教育网</NameZh>
              <NameEn>cernet</NameEn>
        </Isp>
        <Isp>
              <NameZh>铁通</NameZh>
              <NameEn>tietong</NameEn>
        </Isp>
        <Isp>
              <NameZh>其他</NameZh>
              <NameEn>other</NameEn>
        </Isp>
        <Isp>
              <NameZh>鹏博士</NameZh>
              <NameEn>drpeng</NameEn>
        </Isp>
        <Isp>
              <NameZh>联通</NameZh>
              <NameEn>unicom</NameEn>
        </Isp>
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              <NameEn>alibaba</NameEn>
        </Isp>
        <Isp>
              <NameZh>中信网络</NameZh>
              <NameEn>citic</NameEn>
        </Isp>
        <Isp>
              <NameZh>方正宽带</NameZh>
              <NameEn>dounder</NameEn>
        </Isp>
        <Isp>
              <NameZh>海外ISP</NameZh>
              <NameEn>overseas</NameEn>
        </Isp>
        <Isp>
              <NameZh>有线通</NameZh>
              <NameEn>ocn</NameEn>
        </Isp>
        <Isp>
              <NameZh>华数</NameZh>
              <NameEn>wasu</NameEn>
        </Isp>
        <Isp>
              <NameZh>湖北广电</NameZh>
              <NameEn>hrtn</NameEn>
        </Isp>
        <Isp>
              <NameZh>重庆有线</NameZh>
```

```
            <NameEn>cqccn</NameEn>
        </Isp>
        <Isp>
            <NameZh>歌华有线</NameZh>
            <NameEn>bjctv</NameEn>
        </Isp>
        <Isp>
            <NameZh>天威视讯</NameZh>
            <NameEn>topway</NameEn>
        </Isp>
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            <NameZh>中国香港宽频</NameZh>
            <NameEn>hkbn</NameEn>
        </Isp>
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            <NameEn>telstra</NameEn>
        </Isp>
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            <NameEn>jxsarft</NameEn>
        </Isp>
        <Isp>
            <NameZh>湖南广电</NameZh>
            <NameEn>gbs</NameEn>
        </Isp>
        <Isp>
            <NameZh>中国澳门电讯</NameZh>
            <NameEn>ctm</NameEn>
        </Isp>
        <Isp>
            <NameZh>黑龙江广电</NameZh>
            <NameEn>ljwl</NameEn>
        </Isp>
        <Isp>
            <NameZh>中华电信</NameZh>
            <NameEn>cht</NameEn>
        </Isp>
        <Isp>
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            <NameEn>sxbctv</NameEn>
        </Isp>
        <Isp>
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            <NameEn>ccn</NameEn>
        </Isp>
        <Isp>
            <NameZh>长城宽带</NameZh>
            <NameEn>gwbn</NameEn>
        </Isp>
        <Isp>
            <NameZh>华数传媒</NameZh>
            <NameEn>wasumedia</NameEn>
        </Isp>
```

```
        <Isp>
            <NameZh>广东广电</NameZh>
            <NameEn>gcable</NameEn>
        </Isp>
        <Isp>
            <NameZh>辽宁广电</NameZh>
            <NameEn>lnsarft</NameEn>
        </Isp>
        <Isp>
            <NameZh>河南广电</NameZh>
            <NameEn>hensarft</NameEn>
        </Isp>
        <Isp>
            <NameZh>山东广电</NameZh>
            <NameEn>sdsarft</NameEn>
        </Isp>
        <Isp>
            <NameZh>江苏广电</NameZh>
            <NameEn>jssarft</NameEn>
        </Isp>
        <Isp>
            <NameZh>四川艾普</NameZh>
            <NameEn>aipu</NameEn>
        </Isp>
        <Isp>
            <NameZh>吉视传媒</NameZh>
            <NameEn>jilincatv</NameEn>
        </Isp>
        <Isp>
            <NameZh>四川广电</NameZh>
            <NameEn>sicsarft</NameEn>
        </Isp>
        <Isp>
            <NameZh>安徽广电</NameZh>
            <NameEn>anhuicatv</NameEn>
        </Isp>
        <Isp>
            <NameZh>福建广电</NameZh>
            <NameEn>fujiancatv</NameEn>
        </Isp>
        <Isp>
            <NameZh>新疆广电</NameZh>
            <NameEn>xjsarft</NameEn>
        </Isp>
        <Isp>
            <NameZh>贵州广电</NameZh>
            <NameEn>guizhoucatv</NameEn>
        </Isp>
        <Isp>
            <NameZh>局域网</NameZh>
            <NameEn>local area network</NameEn>
        </Isp>
        <Isp>
            <NameZh>湖南巨亚</NameZh>
            <NameEn>hunanjy</NameEn>
```

```
        <NameEn>hunanfy</NameEn>
    </Isp>
    <Isp>
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        <NameEn>zhujiangsm</NameEn>
    </Isp>
    <Isp>
        <NameZh>北京宝联之星</NameZh>
        <NameEn>baolian</NameEn>
    </Isp>
    <Isp>
        <NameZh>印尼Telin</NameZh>
        <NameEn>telin</NameEn>
    </Isp>
    <Isp>
        <NameZh>印尼Indosat</NameZh>
        <NameEn>indosat</NameEn>
    </Isp>
    <Isp>
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        <NameEn>shchilian</NameEn>
    </Isp>
    <Isp>
        <NameZh>上海企舜</NameZh>
        <NameEn>shqishun</NameEn>
    </Isp>
    <Isp>
        <NameZh>皓宽网络</NameZh>
        <NameEn>cnix</NameEn>
    </Isp>
    <Isp>
        <NameZh>印度Sify</NameZh>
        <NameEn>sify</NameEn>
    </Isp>
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        <NameEn>zenlayer</NameEn>
    </Isp>
    <Isp>
        <NameZh>印度TATA</NameZh>
        <NameEn>tata</NameEn>
    </Isp>
    <Isp>
        <NameZh>印度Airtel</NameZh>
        <NameEn>airtel</NameEn>
    </Isp>
    <Isp>
        <NameZh>Telstra Global</NameZh>
        <NameEn>telstraglobal</NameEn>
    </Isp>
    <Isp>
        <NameZh>Maxis</NameZh>
        <NameEn>maxis</NameEn>
    </Isp>
    <Isp>
```

```
            <NameZh>内蒙古广电</NameZh>
            <NameEn>nmgcatv</NameEn>
        </Isp>
        <Isp>
            <NameZh>JasTel</NameZh>
            <NameEn>jastel</NameEn>
        </Isp>
        <Isp>
            <NameZh>Taiwan Fixed Network</NameZh>
            <NameEn>taiwanfixednetwork</NameEn>
        </Isp>
        <Isp>
            <NameZh>Digital United</NameZh>
            <NameEn>digitalunited</NameEn>
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            <NameEn>ntt</NameEn>
        </Isp>
        <Isp>
            <NameZh>KDDI</NameZh>
            <NameEn>kddi</NameEn>
        </Isp>
        <Isp>
            <NameZh>Korea Telecom</NameZh>
            <NameEn>koreatelecom</NameEn>
        </Isp>
        <Isp>
            <NameZh>TM Net</NameZh>
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        </Isp>
        <Isp>
            <NameZh>True Internet</NameZh>
            <NameEn>trueinternet</NameEn>
        </Isp>
        <Isp>
            <NameZh>PT Aplikanusa Lintasarta</NameZh>
            <NameEn>ptaplikanusalintasarta</NameEn>
        </Isp>
        <Isp>
            <NameZh>VNPT</NameZh>
            <NameEn>vnpt</NameEn>
        </Isp>
        <Isp>
            <NameZh>EITC-DU</NameZh>
            <NameEn>eitcdu</NameEn>
        </Isp>
        <Isp>
            <NameZh>Rostelecom</NameZh>
            <NameEn>rostelecom</NameEn>
        </Isp>
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            "NameEn": "shanxi"
```

```
            },
            {
                "NameZh": "河南省",
                "NameEn": "henan"
            },
            {
                "NameZh": "云南省",
                "NameEn": "yunnan"
            },
            {
                "NameZh": "西藏自治区",
                "NameEn": "xizang"
            },
            {
                "NameZh": "辽宁省",
                "NameEn": "liaoning"
            },
            {
                "NameZh": "湖南省",
                "NameEn": "hunan"
            },
            {
                "NameZh": "中国香港",
                "NameEn": "China(Hong Kong)"
            },
            {
                "NameZh": "陕西省",
                "NameEn": "shaanxi"
            },
            {
                "NameZh": "中国澳门",
                "NameEn": "China(Macao)"
            },
            {
                "NameZh": "安徽省",
                "NameEn": "anhui"
            },
            {
                "NameZh": "天津市",
                "NameEn": "tianjin"
            },
            {
                "NameZh": "江西省",
                "NameEn": "jiangxi"
            },
            {
                "NameZh": "湖北省",
                "NameEn": "hubei"
            },
            {
                "NameZh": "重庆市",
                "NameEn": "chongqing"
            },
            {
                "NameZh": "甘肃省",
```

```
                "NameZh": "甘肃省",
                "NameEn": "gansu"
            },
            {
                "NameZh": "中国台湾省",
                "NameEn": "China(Taiwan)"
            },
            {
                "NameZh": "山东省",
                "NameEn": "shandong"
            },
            {
                "NameZh": "吉林省",
                "NameEn": "jilin"
            },
            {
                "NameZh": "上海市",
                "NameEn": "shanghai"
            },
            {
                "NameZh": "四川省",
                "NameEn": "sichuan"
            },
            {
                "NameZh": "内蒙古自治区",
                "NameEn": "neimenggu"
            }
        ]
    }
}
```

Error codes

For a list of error codes, visit the API Error Center.

17.2.6. DescribeUserVipsByDomain

Queries virtual IP addresses of CDN edge nodes by domain name.

> **Note** The maximum number of times that each user can call this operation per second is 30.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeUserVipsByDomain	The operation that you want to perform. Set the value to DescribeUserVipsByDomain.
DomainName	String	Yes	example.com	The accelerated domain name. You can specify only one domain name.
Available	String	No	on	Specifies whether to query the virtual IP addresses of only healthy CDN edge nodes. Valid values: Valid values: • **on**: healthy CDN edge nodes • **off**: all CDN edge nodes

Response parameters

Parameter	Type	Example	Description
DomainName	String	example.com	The domain name.
RequestId	String	820E7900-5CA9-4AEF-B0DD-20ED5F64BE55	The ID of the request.
Vips	List	122.72.xxx.xxx	A list of virtual IP addresses.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/?Action=DescribeUserVipsByDomain
&DomainName=example.com
&Available=on
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeUserVipsByDomainResponse>
      <Vips>
            <Vip>122.72.xxx.xxx</Vip>
            <Vip>119.14.xxx.xxx</Vip>
            <Vip>221.13.xxx.xxx</Vip>
            <Vip>124.95.xxx.xxx</Vip>
            <Vip>58.211.xxx.xxx</Vip>
      </Vips>
      <RequestId>820E7900-5CA9-4AEF-B0DD-20ED5F64BE55</RequestId>
      <DomainName>example.com</DomainName>
</DescribeUserVipsByDomainResponse>
```

`JSON` format

```
{
  "Vips": {
    "Vip": [
      "122.72.xxx.xxx",
      "119.14.xxx.xxx",
      "221.13.xxx.xxx",
      "124.95.xxx.xxx",
      "58.211.xxx.xxx"
    ]
  },
  "RequestId": "820E7900-5CA9-4AEF-B0DD-20ED5F64BE55",
  "DomainName": "example.com"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	MissingParameter	The specified value of parameter "DomainName" can not be empty.	The error message returned because the DomainName parameter is not set.
400	IllegalOperation	Illegal domain operate is not permitted.	The error message returned because the specified operation is invalid.

For a list of error codes, visit the API Error Center.

17.2.7. BlockObjectCaches

Blocks specified URLs on CDN edge nodes. Requests sent to blocked URLs are denied and trigger the HTTP 403 status code.

> **Note**
> - The maximum number of times that each user can call this operation per second is 20.
> - This operation is available only to users on the whitelist. If the daily peak bandwidth values of your workloads exceed 100 Gbit/s. you can submit a ticket to apply for permissions. Alibaba Cloud will review your application and then grant you permissions based on your business requirements.
> - This operation supports only the POST request method. Parameters must be submitted in forms.

Rules for blocking URLs

- Exact match based on query strings is supported

  For example, if the URL that is blocked is `http://www.example.com/abc.html?a=1&b=1`, only requests that are sent to `http://www.example.com/abc.html?a=1&b=1` are denied. Requests are allowed to access URLs that carry different query strings, such as `http://www.example.com/abc.html?a=1&b=2`.

- Parameters filtering is supported

  If parameter filtering is enabled, and the URL that is blocked is `http://www.example.com/abc.html`, requests are matched against http://www.example.com/abc.html regardless of the query string. If the destination URL of a request matches http://www.example.com/abc.html, the request is denied. For example, all the following URLs are considered matches and blocked: `http://www.example.com/abc.html`, `http://www.example.com/abc.html?a=1`, `http://www.example.com/abc.html?a=2`, and `http://www.example.com/abc.html?a=1&b=1`.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	BlockObjectCaches	The operation that you want to perform. Set the value to BlockObjectCaches.

Parameter	Type	Required	Example	Description
ObjectPath	String	Yes	example.com/image/1.png	The URLs that you want to block. Separate URLs with line feeds (\n or \r\n). **Note** • You can submit at most 100 URLs to be blocked or unblocked in each call. • Each Alibaba Cloud account can submit at most 100 URLs to be blocked or unblocked per day.
Type	String	Yes	block	The operation type. Valid values: • block: blocks URLs • unblock: unblocks URLs
Maxage	Integer	No	86400	The period of time that the URLs remain blocked. • Valid values: 600 to 864000. • Unit: seconds. • If you do not specify a value, the URLs remain blocked for 90 days.

Response parameters

Parameter	Type	Example	Description
BlockTaskId	String	704222904	The ID of the block task. If multiple tasks are returned, the IDs are separated by commas (,).
RequestId	String	D61E4801-EAFF-4A63-AAE1-FBF6CE1CFD1C	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=BlockObjectCaches
&ObjectPath=example.com/image/1.png
&Type=block
&<Common request parameters>
```

Sample success responses

`XML` format

```
<BlockObjectCachesResponse>
  <RequestId>D61E4801-EAFF-4A63-AAE1-FBF6CE1CFD1C</RequestId>
  <BlockTaskId>704222904</BlockTaskId>
</BlockObjectCachesResponse>
```

`JSON` format

```
null
```

Error codes

HttpCode	Error code	Error message	Description
400	QuotaExceeded.Refresh	You've exceeded the prescribed refresh limits.	The error message returned because the quota for refresh on the current day has exhausted. You can no longer perform the refresh operation on the current day. You can call the DescribeDcdnRefreshQuota operation to query the remaining quota of refresh requests for the current day.
400	InvalidObjectPath.Malformed	The specific value of parameter ObjectPath is malformed.	The error message returned because the value of the ObjectPath parameter is in an invalid format. Example: example.com/image/1.png. Separate URLs with line feeds (\n or \r\n).
400	InvalidExtensiveDomain.ValueNotSupported	Extensive domain not supported.	The error message returned because this operation does not support wildcard domain names.

For a list of error codes, visit the API Error Center.

17.3. Security information query

17.3.1. CreateIllegalUrlExportTask

Creates a task to export invalid URLs.

> **Note**
> - You can query data only by day. You can query data of the last month or later.
> - In most cases, a file that contains invalid URLs is generated five minutes after you create an export task. You can call the DescribeIllegalUrlExportTask operation to query the URL where you can download the file.
> - The maximum number of times that each user can call this operation per second is 1.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	CreateIllegalUrlExportTask	The operation that you want to perform. Set the value to **CreateIllegalUrlExportTask**.
TaskName	String	Yes	exampleTask	The name of the export task.
TimePoint	String	Yes	2019-09-30T16:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the YYYY-MM-DDThh:mm:ssZ format. The finest granularity is one day.

Response parameters

Parameter	Type	Example	Description
RequestId	String	64D28B53-5902-409B-94F6-FD46680144FE	The ID of the request.
TaskId	String	tu_4b37ea97_a7fa_4d36_b363_061c1fxxx	The ID of the export task. You can use task IDs to query tasks.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com? Action=CreateIllegalUrlExportTask
&TaskName=exampleTask
&TimePoint=2019-09-30T16:00:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<CreateIllegalUrlExportTaskResponse>
  <RequestId>64D28B53-5902-409B-94F6-FD46680144FE</RequestId>
  <TaskId>tu_4b37ea97_a7fa_4d36_b363_061c1fxxxx</TaskId>
</CreateIllegalUrlExportTaskResponse>
```

`JSON` format

```
{
    "RequestId": "64D28B53-5902-409B-94F6-FD46680144FE",
    "TaskId": "tu_4b37ea97_a7fa_4d36_b363_061c1fxxxx"
}
```

Error codes

For a list of error codes, visit the API Error Center.

17.3.2. DescribeDomainCcActivityLog

Queries log entries of rate limiting.

> **Note**
>
> - If you do not set the StartTime or EndTime parameter, data within the last 24 hours is queried. If you set both the StartTime and EndTime parameters, data within the specified time range is queried. You must set both parameters or leave both of them empty.
> - You can specify multiple domain names (no more than 20) and separate them with commas (,).
> - You can query data within the last 30 days.
> - The maximum number of times that each user can call this operation per second is 50.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeDomainCcActivityLog	Set the value to **DescribeDomainCcActivityLog**.
DomainName	String	No	example.com	The accelerated domain name. You can specify multiple domain names and separate them with commas (,). If you do not specify a domain name, data of all domain names is queried.
StartTime	String	No	2018-12-10T20:00:00Z	The beginning of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. Data is collected every 5 minutes. If you do not set this parameter, data within the last 24 hours is queried.
EndTime	String	No	2018-12-10T21:00:00Z	The end of the time range to query. Specify the time in the ISO 8601 standard in the yyyy-MM-ddTHH:mm:ssZ format. The time must be in UTC. The end time must be later than the start time.
TriggerObject	String	No	IP	The object that triggered rate limiting. If you do not set this parameter, all events that triggered rate limiting are queried.
Value	String	No	1.2.3.4	The value of the object that triggered rate limiting. If you do not set this parameter, the values of all events that triggered rate limiting are queried.

Parameter	Type	Required	Example	Description
RuleName	String	No	test2	A custom rule name. Valid values: • Default mode: default_normal. • Emergency mode: default_attack. If you do not set this parameter, all events that triggered rate limiting are queried.
PageSize	Long	No	30	The number of entries to return on each page. Default value: **30**.
PageNumber	Long	No	1	The number of the page to return. Default value: **1**.

Response parameters

Parameter	Type	Example	Description
ActivityLog	Array of LogInfo		The log entry of the event that triggered rate limiting.
Action	String	deny	The action that was triggered.
DomainName	String	example.com	The accelerated domain name.
RuleName	String	test	The name of the rule that was triggered
TimeStamp	String	2015-12-10T20:00:00Z	The timestamp of the data.
TriggerObject	String	Ip	The object that triggered rate limiting.
Ttl	Long	300	The period of time that rate limiting remains effective.
Value	String	1.2.3.4	The value of the object that triggered rate limiting.
PageIndex	Long	1	The page number of the returned page.

Parameter	Type	Example	Description
PageSize	Long	30	The number of entries returned per page.
RequestId	String	3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F	The ID of the request.
Total	Long	20	The total number of entries returned.

Examples

Sample requests

```
http://cdn.aliyuncs.com?Action=DescribeDomainCcActivityLogData&DomainName=example.com
&StartTime=2015-12-10T20:00:00Z
&EndTime=2015-12-10T21:05:00Z
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeDomainCcActivityLogResponse>
  <Total>20</Total>
  <PageSize>30</PageSize>
  <PageIndex>1</PageIndex>
  <RequestId>3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F</RequestId>
  <ActivityLog>
        <TimeStamp>2015-12-10T20:00:00Z</TimeStamp>
        <Value>1.2.3.4</Value>
        <TriggerObject>Ip</TriggerObject>
        <DomainName>example.com</DomainName>
        <Ttl>300</Ttl>
        <Action>deny</Action>
        <RuleName>test2</RuleName>
  </ActivityLog>
  <ActivityLog>
        <TimeStamp>2015-12-10T20:00:00Z</TimeStamp>
        <Value>safari 5.1 - Windows</Value>
        <TriggerObject>Header_UserAgent</TriggerObject>
        <DomainName>example.com</DomainName>
        <Ttl>300</Ttl>
        <Action>deny</Action>
        <RuleName>test2</RuleName>
  </ActivityLog>
</DescribeDomainCcActivityLogResponse>
```

`JSON` format

```
{
    "Total": 20,
    "PageSize": 30,
    "PageIndex": 1,
    "RequestId": "3C6CCEC4-6B88-4D4A-93E4-D47B3D92CF8F",
    "ActivityLog": [
        {
            "TimeStamp": "2015-12-10T20:00:00Z",
            "Value": "1.2.3.4",
            "TriggerObject": "Ip",
            "DomainName": "example.com",
            "Ttl": 300,
            "Action": "deny",
            "RuleName": "test2"
        },
        {
            "TimeStamp": "2015-12-10T20:00:00Z",
            "Value": "safari 5.1 - Windows",
            "TriggerObject": "Header_UserAgent",
            "DomainName": "example.com",
            "Ttl": 300,
            "Action": "deny",
            "RuleName": "test2"
        }
    ]
}
```


Error codes

HttpCode	Error code	Error message	Description
400	InvalidStartTime.Malformed	Specified StartTime is malformed.	The error message returned because the format of the specified start time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidEndTime.Malformed	Specified EndTime is malformed.	The error message returned because the format of the specified end time is invalid. For more information about the time format, see the Request parameters section.
400	InvalidStartTime.ValueNotSupported	The specified value of parameter StartTime is not supported.	The error message returned because the specified start time is invalid. Rectify the start time and try again.

For a list of error codes, visit the API Error Center.

17.3.3. DescribeIllegalUrlExportTask

Queries the information about a specified task that exports invalid URLs.

> **Note**
> - Invalid URLs are exported to a CSV file.
> - The maximum number of times that each user can call this operation per second is 1.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer automatically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeIllegalUrlExportTask	The operation that you want to perform. Set the value to **DescribeIllegalUrlExportTask**.
TaskId	String	Yes	tu_4b37ea97_a7fa_4d36_b363_061c1f****	The ID of the task. You can call the CreateIllegalUrlExportTask operation to query task IDs.

Response parameters

Parameter	Type	Example	Description
DownloadUrl	String	example.com/example_task.csv	The URL where you can download the file that contains invalid URLs. This parameter is valid only if the export task is successful.
RequestId	String	64D28B53-5902-409B-94F6-FD46680144FE	The ID of the request.
Status	String	complete	The status of the export task. A value of **complete** indicates that the task is successful.

Details about invalid URLs

Parameter	Description
gmt_created	The time when the URL is blocked.
punish_domain	The domain name for which the URL is blocked.
punish_url	The URL that is blocked.
user_id	The user ID (UID) of the Alibaba Cloud account to which the blocked URL belongs.
reason	The reason why the URL is blocked. Codes and reasons: PR001: The URL involves pornographic content. PR002: The URL involves gambling. PR003: The URL involves prohibited items. PR004: The URL involves prohibited items. PR005: The URL involves prohibited items. PR006: The URL involves illegal activities. PR007: The URL involves political content. PR008: The URL involves fraudulent or tort activities. PR009: The URL involves illicit content. PR100: The URL is under brute-force attack. PR101: The URL is under DDoS attack. PR102: The URL is under phishing attack. PR103: The URL is under DNS attack. PR104: The URL involves spam activities. PR107: The URL is attacked by crawlers. PR108: The URL is attacked by botnets. PR109: The URL initiates attacks on external systems. PR201: The URL involves malicious programs. PR300: You have not completed real-name verification for the domain name.

Examples

Sample requests

```
http(s)://cdn.aliyuncs.com/? Action=DescribeIllegalUrlExportTask
&TaskId=tu_4b37ea97_a7fa_4d36_b363_061c1f****
&<common request parameters>
```

Sample responses

`XML` format

```
<DescribeIllegalUrlExportTaskResponse>
  <RequestId>64D28B53-5902-409B-94F6-FD46680144FE</RequestId>
  <Status>complete</Status>
  <DownloadUrl>example.com/example_task.csv</DownloadUrl>
</DescribeIllegalUrlExportTaskResponse>
```

`JSON` format

```
{
    "RequestId": "64D28B53-5902-409B-94F6-FD46680144FE",
    "Status": "complete",
    "DownloadUrl": "example.com/example_task.csv"
}
```

Error codes

For a list of error codes, visit the API Error Center.