

Dynamic Site Accelerator

API Documents

Product Documentation



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Contents

API Documents

API Overview

Calling Method

Request Structure

Request Structure Overview

Common Request Parameters

API Request Parameters

Final Request Format

Returned Result

Correct Returned Result

Incorrect Returned Result

Error Codes

Query Configuration

Query List of Accelerated Domain Names

Query Configuration Information of Domain Name

Query List of HTTPS Domain Names

Domain Name Management

Add Accelerated Domain

Activate Accelerated Domain Name

Deactive DSA Domain Name

Delete Accelerated Domain Name

Modify Domain Name Configuration

Data Query

Query Monitoring Data

Query Monitoring Data

Query Statistical Metric

Query Statistics Metrics for Domain Name

Log API

Download Access Logs

API Documents

API Overview

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Configuration Query

API	Action Name	Description
Query List of Accelerated Domain Names	GetDsaHostList	Obtains the list of all DSA accelerated domain names under your account
Query Configuration Information of Domain Name	GetDsaHostInfo	Obtains the configuration information of a domain name by its ID
Query List of HTTPS Domain Names	GetDsaHttpsHostList	Obtains the list of all domain names with the HTTPS acceleration feature enabled

Domain Name Management

API	Action Name	Description
Create Accelerated Domain Name	CreateDsaHost	Adds a domain name to DSA
Enable DSA Domain Name	OnlineDsaHost	Enables the acceleration service for a domain name by its ID
Disable DSA Domain Name	OfflineDsaHost	Disables the acceleration service for a domain name by its ID
Delete Accelerated Domain Name	DeleteDsaHost	Deletes a domain name by its ID
Modify Domain Name Configuration	UpdateDsaHostInfo	Modifies the acceleration configuration of a domain name by its ID

Data Query

API	Action Name	Description
Query Monitoring Data	GetDsaStatistics	Queries the monitoring details
Query Statistics	GetDsaHostStatistics	Queries the statistics within a specified period

Log API

API	Action Name	Description
Query Download URL of Access Logs	GetDsaHostLogs	Queries the download URL of a DSA user's access logs

Calling Method

Request Structure

Request Structure Overview

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The process of calling a Tencent Cloud API is achieved by sending a request to the server IP address of the API and adding relevant request parameters in the request as described in the API description. A request for calling a Tencent Cloud API is made up of the following elements:

Service Address

The service access address of a Tencent Cloud API depends on the module. For more information, please see the description of each API.

Communication Protocol

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

Request Method

Tencent Cloud APIs support both POST and GET requests.

Notes:

- 1. POST and GET requests cannot be used together. If the GET method is used, the parameters are obtained from Querystring. If the POST method is used, the parameters are obtained from Request Body, and the parameters in the Querystring are ignored. The request parameters are organized in the same way in both types of requests. Generally, GET method is used. If the parameter strings are too long, POST method is used.**
- 2. If GET method is used, all request parameters need to be URL encoded. This is not required if POST method is used.**

Request Parameters

Two types of parameters are required for each Tencent Cloud API request: common request parameters and API request parameters. [Common request parameters](#) are required for every API, while [API request parameters](#) are specific to each API.

Character Encoding

All requests for Tencent Cloud APIs and their returned results are encoded using UTF-8 character set.

Common Request Parameters

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

Common request parameters are as follows:

Name	Type	Required	Description
Action	String	Yes	The name of the API for the desired operation. For example, if you want to call the API Query List of Accelerated Domain Names , the Action parameter is GetDsaHostList.
Timestamp	UInt	Yes	The current UNIX timestamp that records the time at which the API request was initiated.
Nonce	UInt	Yes	A random positive integer, which is used in conjunction with Timestamp to prevent replay attacks.
SecretId	String	Yes	The SecretId that is applied for under Cloud API Key to identify identity. A SecretId corresponds to a unique SecretKey, which is used to generate the request Signature. For more information, please see Signature Method .
Signature	String	Yes	Request signature, which is used to verify the validity of the request and is automatically generated by the system based on input parameters. For more information on how to generate a signature, please see Signature Method .

Example:

If you want to query the list of all domain names connected to CDN, the request link should look like this:

```
https://dsa.api.qcloud.com/v2/index.php?
```

```
Action=GetDsaHostList
```

```
&SecretId=xxxxxxx
```

```
&Timestamp=1465055529
```

```
&Nonce=59485
```

```
&Signature=mysignature
```

```
&<API request parameters>
```


A complete request requires two types of request parameters: common request parameters and API request parameters. Only five common request parameters are listed above. For more information on API request parameters, please see [API Request Parameters](#) section.

API Request Parameters

Last updated : 2018-08-13 10:00:12

API request parameters vary with different APIs. The initial letter of each API request parameter is in lowercase so that it can be differentiated from common request parameters.

For example, for the API OnlineDsaHost used to [enable a DSA domain name](#), the supported API request parameters are as follows:

Parameter	Require	Type	Description
hostId	Yes	Unsigned	ID of the domain name connected to DSA

The attributes of the parameter are described as follows:

Parameter Name	The request parameter name supported by the API. You can use it as an API request parameter when calling the API. Note: A parameter name ending with ".n" represents an array, for which you need to input the array members individually.
Required	Indicates whether this parameter is required. "Yes" means the parameter is required when you call the API. "No" means the parameter can be left empty. If all the API request parameters are not required, the API can be called simply by using common request parameters.
Type	Data type of the API parameter.
Description	A brief description of the API request parameter and the API calling.

Example:

If you want to enable a domain name with the hostId (which can be obtained via the API [Query List of Domain Names](#)) being 12345, the request link should look like this:

```
https://dsa.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&hostID=12345
```

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

Final Request Format

Last updated : 2018-08-13 10:01:27

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

1. Domain name for API request: The domain name for a Tencent Cloud API request depends on the business module to which the API belongs. The domain name for DSA Cloud API requests is always **dsa.api.qcloud.com**.
2. Request path: The request path for DSA Cloud APIs is always `/v2/index.php`.
3. Request parameters This includes common request parameters and API request parameters.

The final request URL is constructed as follows:

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

The final request URL is as follows. The first five parameters are common request parameters, and the last one is API request parameter.

GET request

```
https://dsa.api.qcloud.com/v2/index.php?
```

```
Nonce=123456789
```

```
&Timestamp=1462434006
```

```
&Action=OnlineDsaHost
```

```
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

```
&Signature=XXXXXXXXXXXXXXXXXXXX
```

```
&hostId=1234
```

POST request

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

The array of parameters is as follows:

```
array (  
  'Nonce' => 123456789,  
  'Timestamp' => 1462782282,  
  'Action' => 'OnlineDsaHost',  
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
```

```
'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',  
'hostId' => 1234  
)
```

Returned Result

Correct Returned Result

Last updated : 2018-08-13 10:03:02

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

Example:

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

Incorrect Returned Result

Last updated : 2018-08-13 11:58:04

If an API call fails, the error code in the returned result is a value other than 0, the message field shows the details of the error, and codeDesc is the error code on business side. You can find the details of the error on the Error Codes page based on the "code".

Example of returned error:

```
{
  "code": 4000,
  "message": "(2000) Accelerated domain name does not exist",
  "codeDesc": "InvalidParameter"
}
```

Error Codes

Last updated : 2018-08-13 10:04:55

Common Error Codes

The error codes in the returned result indicate the result of the call to a cloud API. "code" is common error code, which applies to APIs of all modules. A code of 0 means the call is successful. Other values mean the call fails. If a call fails, you can find out the cause of the error and take appropriate actions based on the following table.

Error Code	Error Type	Description
4000	Invalid request parameter	Required parameter is missing, or parameter value is in an incorrect format. For error message, please see the "message" field in the error description.
4100	Authentication failed	Signature authentication failed. For more information, please see the "Authentication" section in the document.
4200	Request expired	The request has expired. For more information, please see the "Request Validity" section in the document.
4300	Access denied	The account is blocked or not within the user range of the API.
4400	Quota exceeded	The number of requests exceeded the quota limit. For more information, please see the "Request Quota" section in the document.
4500	Replay attack	The Nonce and Timestamp parameters ensure that each request is executed only once on the server. Therefore, the Nonce value cannot be the same as the last one, and the difference between Timestamp and Tencent server time cannot be greater than 2 hours.
4600	Unsupported protocol	The protocol is not supported. For more information, please see the relevant document.
5000	Resource does not exist	The instance corresponding to the resource ID does not exist, or the instance has been returned, or another user's resource is accessed.
5100	Resource operation failed	The operation performed on the resource failed. For error message, please see the "message" field in error description. Try again later or contact customer service.

Error Code	Error Type	Description
5200	Failed to purchase the resource	The resource purchase failed. This may be caused by unsupported instance configuration or insufficient resources.
5300	Failed to purchase the resource	The resource purchase failed because of insufficient balance.
5400	Part of operations performed successfully	The batch operation was successful on some resources. For more information, please see the returned value of the method.
5500	User failed to pass identity verification	The resource purchase failed because the user failed to pass identity verification.
6000	Internal error with the server	An internal error occurred with the server. Try again later or contact customer service.
6100	Not supported in the version	This API is not supported in this version or is under maintenance. Note: When this error occurs, check whether the domain name for the API is correct. Domain name may vary with different modules.
6200	API is unavailable	The API is under maintenance and is unavailable. Try again later.

Module Error Codes

"message" field indicates errors related to modules.

Example:

"message": "(2130) Invalid ProjectID parameter"

It consists of two parts - the string within () indicates the module error code, and the string following () is the error description.

The errors vary with different modules. You can identify the cause of an error based on error description. Some error codes of different versions may have the same meaning.

Error Code	Description
------------	-------------

Error Code	Description
1000	System's internal error. Try again later or contact the vendor.
1001	DB error. Try again later or contact the vendor.
1010	Invalid request
1011	Invalid request API. Check it and try again.
1012	Invalid request parameter. Check it and try again.
1013	Incorrect parameter configuration. Try again later or contact the vendor.
1014	The operation is being performed. Do not submit it again.
1015	Incorrect module name. Check it and try again.
1100	The user does not exist. Check it and try again.
1101	The user already exists. Do not repeat the operation.
1102	The user is blocked. Contact the vendor.
1103	The user is in arrears. Top up and try again.
1104	Non-VIP customer, who is not allowed to perform this operation
1110	The user is under review. Try again later.
1112	You do not have permission for this operation. Contact the vendor to apply for the permission.
1120	The number of accelerated domain names exceeds the system limit
2000	The accelerated domain name does not exist. Check it and try again.
2001	The domain name you submitted already exists. Do not add it again.
2002	The requested domain name is not licensed. Check it and try again.
2003	The requested domain name is locked. Contact the vendor.
2004	The requested domain name has not been activated. Check it and try again.
2005	The requested domain name has been deactivated. Check it and try again.
2006	The requested domain name is blocked. Contact the vendor.

Error Code	Description
2010	You have performed the operation too many times. Do not call the API frequently.
2011	The number of operations exceeds the system limit. Do not call the API frequently.
2100	Domain name contains invalid parameters. Check it and try again.
2111	Tencent's internal domain name. Contact the vendor.
2112	Restricted domain name. Submit a ticket if you need to make an access request.
2113	The requested domain name is on the system blacklist, which cannot be worked with. Contact the vendor.
2114	The length of the domain name exceeds the system limit. Modify it and try again.
2121	The number of origin servers exceeds the limit. Check it and try again.
2122	The domain name of the origin server already exists in the system. Contact the vendor.
2123	The requested origin server is on the system blacklist, which cannot be worked with. Contact the vendor.
2124	The origin server address is private IP. Check it and try again.
2125	The length of the origin server address exceeds the system limit. Modify it and try again.
2130	Invalid ProjectID parameter. Check it and try again.
2140	Invalid HTTPS parameter. Check it and try again.
2150	Invalid Platform parameter. Check it and try again.
2160	Invalid PidConfig parameter. Check it and try again.
2170	The parameter configuration of HTTP Response Header is invalid. Modify it and try again.
2171	The length of HTTP Response Header exceeds the system limit. Modify it and try again.
2180	The parameter configuration of Extension is invalid. Modify it and try again.
3000	Invalid certificate. Check it and try again.
3001	Failed to parse the certificate information. Check it and try again.
3002	The certificate does not match the corresponding domain name information. Check it and try again.

Error Code	Description
3003	The certificate does not match the corresponding private key information. Check it and try again.
3004	The certificate has expired. Check it and try again.
3005	The certificate is about to expire. Check it and try again.
3006	Incorrect certificate chain. Check it and try again.
9000	Invalid time parameter. Check it and try again.
9001	Invalid Metirc parameter. Check it and try again.
9002	Invalid ProjectID parameter. Check it and try again.
10000	A system error occurred with the DSA configuration. Modify it and try again.
10100	DSA configuration parameter is invalid. Modify it and try again.
10101	Version of the DSA configuration is invalid. Modify it and try again.
10102	Action of the DSA configuration is invalid. Modify it and try again.
10103	Token of the DSA configuration is invalid. Modify it and try again.
10104	The domain name of the DSA configuration has been deactivated. Check it and try again.
10105	The domain name of the DSA configuration is available. Check it and try again.
10106	DSA configuration is in an invalid JSON format. Check it and try again.
10107	The domain name of the DSA configuration does not exist. Check it and try again.
10108	HOST of the DSA configuration is invalid. Check it and try again.
10109	The origin server of the DSA configuration is invalid. Modify it and try again.

Query Configuration

Query List of Accelerated Domain Names

Last updated : 2018-08-13 10:06:21

API Description

This API (GetDsaHostList) is used to query the list of all DSA accelerated domain names under the account.

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

This API can be called up to 100 times per minute.

Input Parameters

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

Parameter Name	Required	Type	Description
offset	No	Unsigned	Offset. Default is 0, which means no offset.
length	No	Unsigned	The maximum number of entries returned. Default is 3,000 (the max value)
includeDeleted	No	Int	Indicates whether deleted domain names are included. 0: Not included (default)

Note

This API supports querying the information of up to 3,000 domain names at a time. If there are a large number of domain names, you can use "offset" and "length" for paged queries.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Successful; other values: Failed. For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API
codeDesc	String	Error message or error code.
data	Object	Returned result as described below

data Field Description

Parameter Name	Type	Description
hosts	Object	Details of the domain name as described below in hosts Field Description
total	Int	Total number of domain names under the account

hosts Field Description

Parameter Name	Type	Description
host_id	Int	ID of the domain name connected to DSA
app_id	Int	APPID of domain name owner
project_id	Unsigned	ID of project to which the domain name belongs
host	String	Accelerated domain name
cname	String	Cname of the domain name after it is connected to DSA
status	String	The current status of the domain name. online: Activated; offline: Deactivated
process	Int	Configuration deployment status. 0: Deployed; 1: Deploying

Parameter Name	Type	Description
mode	Int	Indicates whether the domain name is blocked; "0" indicates that the domain name is not blocked
locked	Int	Indicates whether the OPS service is locked. 0: Unlocked, which means you can directly modify the configuration; 1: Locked, which means you need to submit a ticket for configuration modification
deleted	Int	Indicates whether the configuration has been deleted. 0: Not deleted; 1: Deleted
message	String	Message description

Example

1. Configuration example

Obtain the list of all domain names under this account.

2. GET request

```
https://dsa.api.qcloud.com/v2/index.php?  
Action=GetDsaHostList  
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&Timestamp=1462440051  
&Nonce=123456789  
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&offset=0  
&length=2048  
&includeDeleted=1
```

3. POST request

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

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

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

```
array (  
  'Action' => 'GetDsaHostList',  
  'SecretId' => 'SecretId',  
  'Timestamp' => 1462782282,  
  'Nonce' => 123456789,  
  'Signature' => 'Signature',  
  'offset' => '0',  
  'length' => '2048',  
  'includeDeleted' => '1'  
)
```

4 Example of Reponse

Query Successful

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success",  
  "data": {  
    "hosts": [  
      {  
        "host_id": XXXX,  
        "app_id": XXXXXXXXX,  
        "project_id": 0,  
        "host": "dsatest.qcloud.com",  
        "cname": "dsatest.qcloud.com.dsa.dnsv1.com",  
        "status": "online",  
        "deleted": 0,  
        "message": ""  
      },  
      {  
        "host_id": XXXX,  
        "app_id": XXXXXXXXX,  
        "project_id": 0,  
        "host": "dsatest2.qcloud.com",  
        "cname": "dsatest2.qcloud.com.dsa.dnsv1.com",  
        "status": "offline",  
        "deleted": 0,  
        "message": ""  
      }  
    ],  
    "total": 2  
  }  
}
```

```
}  
}
```

Query Failed

```
{  
  "code": 4100,  
  "message": "Authentication failed. For more information, please see the Authentication section in the document.",  
  "codeDesc": "AuthFailure"  
}
```


Query Configuration Information of Domain Name

Last updated : 2018-08-13 10:06:56

API Description

This API (GetDsaHostList) is used to query the list of all DSA accelerated domain names under the account.

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

This API can be called up to 100 times per minute.

Input Parameters

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

Parameter Name	Required	Type	Description
offset	No	Unsigned	Offset. Default is 0, which means no offset.
length	No	Unsigned	The maximum number of entries returned. Default is 3,000 (the max value)
includeDeleted	No	Int	Indicates whether deleted domain names are included. 0: Not included (default)

Note

This API supports querying the information of up to 3,000 domain names at a time. If there are a large number of domain names, you can use "offset" and "length" for paged queries.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code; 0: Successful; other values: Failed. For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API
codeDesc	String	Error message or error code.
data	Object	Returned result as described below

data Field Description

Parameter Name	Type	Description
hosts	Object	Details of the domain name as described below in hosts Field Description
total	Int	Total number of domain names under the account

hosts Field Description

Parameter Name	Type	Description
host_id	Int	ID of the domain name connected to DSA
app_id	Int	APPID of domain name owner
project_id	Unsigned	ID of project to which the domain name belongs
host	String	Accelerated domain name
cname	String	Cname of the domain name after it is connected to DSA
status	String	The current status of the domain name. online: Activated; offline: Deactivated
process	Int	Configuration deployment status. 0: Deployed; 1: Deploying

Parameter Name	Type	Description
mode	Int	Indicates whether the domain name is blocked; "0" indicates that the domain name is not blocked
locked	Int	Indicates whether the OPS service is locked. 0: Unlocked, which means you can directly modify the configuration; 1: Locked, which means you need to submit a ticket for configuration modification
deleted	Int	Indicates whether the configuration has been deleted. 0: Not deleted; 1: Deleted
message	String	Message description

Example

1. Configuration example

Obtain the list of all domain names under this account.

2. GET request

```
https://dsa.api.qcloud.com/v2/index.php?  
Action=GetDsaHostList  
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&Timestamp=1462440051  
&Nonce=123456789  
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&offset=0  
&length=2048  
&includeDeleted=1
```

3. POST request

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

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

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

```
array (  
  'Action' => 'GetDsaHostList',  
  'SecretId' => 'SecretId',  
  'Timestamp' => 1462782282,  
  'Nonce' => 123456789,  
  'Signature' => 'Signature',  
  'offset' => '0',  
  'length' => '2048',  
  'includeDeleted' => '1'  
)
```

4 Example of Reponse

Query Successful

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success",  
  "data": {  
    "hosts": [  
      {  
        "host_id": XXXX,  
        "app_id": XXXXXXXXX,  
        "project_id": 0,  
        "host": "dsatest.qcloud.com",  
        "cname": "dsatest.qcloud.com.dsa.dnsv1.com",  
        "status": "online",  
        "deleted": 0,  
        "message": ""  
      },  
      {  
        "host_id": XXXX,  
        "app_id": XXXXXXXXX,  
        "project_id": 0,  
        "host": "dsatest2.qcloud.com",  
        "cname": "dsatest2.qcloud.com.dsa.dnsv1.com",  
        "status": "offline",  
        "deleted": 0,  
        "message": ""  
      }  
    ],  
    "total": 2  
  }  
}
```

```
}  
}
```

Query Failed

```
{  
  "code": 4100,  
  "message": "Authentication failed. For more information, please see the Authentication section in the document.",  
  "codeDesc": "AuthFailure"  
}
```

Query List of HTTPS Domain Names

Last updated : 2018-08-13 10:07:37

API Description

This API (GetDsaHttpsHostList) is used to query the list of all domain names with the HTTPS acceleration feature enabled under the account.

Domain name for API request: `dsa.api.qcloud.com`

Note:

A maximum of 100 calls to this API are allowed per minute. If the limit is exceeded, an error is returned.

Input Parameters

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

The Action field for this API is `GetDsaHttpsHostList`.

Parameter	Required	Type	Description
offset	No	Unsigned	Offset. Default is 0, which means no offset.
length	No	Unsigned	The maximum length. Default is 3,000, which means the information of up to 3,000 domain names is returned.

Note:

This API supports querying the information of up to 3,000 domain names at a time. If there are a large number of domain names, you can use "offset" and "length" for paged queries.

Output Parameters

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

data Field Description

Parameter	Type	Description
hosts	array	HTTPS configuration information of the domain name as described below in hosts Field Description
total	Unsigned	Total number of domain names with the HTTPS acceleration feature enabled

hosts Field Description

Parameter	Type	Description
host_id	Int	ID of the domain name connected to DSA
host	String	Accelerated domain name
https	Object	HTTPS configuration information as described below in HTTPS Field Description

HTTPS Field Description

Parameter	Type	Description
type	Unsigned	Indicates whether to enable HTTPS 0: Disable 2: Enable (with "Use HTTP for Origin-Pull" enabled) 4: Enable (with "Use Request Protocol for Origin-Pull" enabled)
cert_id	String	Tencent Cloud-hosted certificate ID, which is returned when a Tencent Cloud-hosted certificate is used
cn	String	Certificate domain name

Parameter	Type	Description
expire	String	Expiration time of the SSL certificate
message	String	Certificate remarks
http2	String	Indicates whether to enable HTTP 2.0 on: Enable off: Disable
redirection	String	Indicates whether to enable "Force Redirect to HTTPS" on: Enable off: Disable

Note:

If "Force Redirect to HTTPS" is enabled, DSA acceleration nodes will force the client to redirect HTTP requests to HTTPS requests.

Sample Code

Configuration example

Obtain the list of all domain names with the HTTPS acceleration feature enabled.

GET request

```
https://dsa.api.qcloud.com/v2/index.php?  
Action=GetDsaHttpsHostList  
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&Timestamp=1462440051  
&Nonce=123456789  
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

POST request

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

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

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


```
array (  
  'Action' => 'GetDsaHttpsHostList',  
  'SecretId' => 'SecretId',  
  'Timestamp' => 1462782282,  
  'Nonce' => 123456789,  
  'Signature' => 'Signature'  
)
```

Example of returned result

1. Query successful

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success",  
  "data": {  
    "hosts": [  
      {  
        "host_id": XXXX,  
        "host": "dsatest1.qcloud.com",  
        "https": {  
          "type": "2",  
          "cert_id": "K9FAhubv",  
          "message": "",  
          "cn": "*.qcloud.com",  
          "expire": "2018-08-24 07:59:59"  
        }  
      },  
      {  
        "host_id": XXXX,  
        "host": "dsatest2.qcloud.com",  
        "https": {  
          "type": "4",  
          "cert_id": "K9FAhubv",  
          "message": "",  
          "cn": "*.qcloud.com",  
          "expire": "2018-08-24 07:59:59"  
        }  
      },  
      {  
        "host_id": XXXX,  
        "host": "dsatest3.elliottxing.com",  
        "https": {  
          "type": "4",
```

```
"message": "",
"cn": "*.elliotsing.com",
"expire": "2018-08-24 07:59:59"
}
}
],
"total": 3
}
}
```

2. Query failed

```
{
"code": 4100,
"message": "Authentication failed. For more information, please see the Authentication section in the document.",
"codeDesc": "AuthFailure"
}
```

Domain Name Management

Add Accelerated Domain

Last updated : 2018-11-14 09:46:46

API Description

This API (CreateDsaHost) is used to add DSA accelerated domain names.

Domain name for API request: `dsa.api.qcloud.com`

1. Before adding a domain name, ensure it has not been connected to Tencent Cloud CDN or DSA;
2. The domain name to be added is required to have an ICP license issued by MIIT;
3. Only one domain name can be added to Tencent Cloud DSA at a time with this API;
4. The domain names added using this API are activated for DSA automatically;
5. This API can be called by up to 100 times per minute.

Input Parameters

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

The Action field for this API is CreateDsaHost.

Parameter Name	Required	Type	Description
host	Yes	String	The host of the accelerated domain name to be added
origin	Yes	String	Origin server address. You can configure a domain name or multiple origin server IPs (supported format: 'domain name: port' or 'ip:port'). The port number should be between 0 and 65535, and multiple IPs are separated with comma.
projectId	No	Unsigned	The ID of the project to which the domain name is to be added. View the project ID
https	No	String	HTTPS configuration (JSON). HTTPS is not enabled by default. It is configured as shown below

Parameter Name	Required	Type	Description
rspHeader	No	String	Custom response header (JSON), which is configured as shown below

HTTPS configuration

Parameter Name	Required	Type	Description
type	Yes	Int	Indicates whether to enable HTTPS 0: Disable 2: Enable (with "Use HTTP for Origin-Pull" enabled) 4: Enable (with "Use Request Protocol for Origin-Pull" enabled) HTTPS is disabled by default.
crt	No	String	If HTTPS is enabled and self-owned certificate is used, the certificate information is required
private_key	No	String	If HTTPS is enabled and self-owned certificate is used, the private key information is required
cert_id	No	String	If HTTPS is enabled and Tencent Cloud-hosted certificate is used, the certificate ID is required
message	No	String	Remarks

Note

If HTTPS is enabled and self-owned certificate is used, submit the certificate information using **POST method**.

Custom header configuration

The custom origin-pull header is configured in JSON format as shown below:

```
{
  "key_name_1": "value_1",
  "key_name_2": "value_2",
  ...
  "key_name_N": "value_N"
}
```

Note

It is recommended to **use POST method for submission** when setting the custom header to prevent the URL length from exceeding the limit.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code 0: Successful Other values: Failed. For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API
codeDesc	String	Error message or error code at business side.
data	Object	Output result. If the domain name is added successfully, the domain name configuration information is returned

data Field Description

Parameter Name	Type	Description
host_id	Int	The unique ID of the domain name after it is connected to DSA
app_id	Int	APPID of domain name owner
project_id	Unsigned	ID of project to which the domain name belongs
host	String	Accelerated domain name
cname	String	Cname of the domain name after it is connected to DSA
status	String	Status of the domain name. online: Activated offline: Deactivated

Parameter Name	Type	Description
process	Int	Configuration deployment status 0: Deployed 1: Deploying
mode	Int	Indicates whether the domain name is blocked; "0" indicates that the domain name is not blocked
locked	Int	Indicates whether OPS is locked. 0: Unlocked. You can directly modify the configuration 1: Locked. You need to submit a ticket to modify the configuration
deleted	Int	Indicates whether the domain name has been deleted. 0: Not deleted 1: Deleted
origin	String	Origin server address
fwd_host	String	Original-pull host configuration
rsp_header	Object	Custom response header configuration information
https	Object	HTTPS configuration information as described below.
message	String	Message description
create_time	String	Creation time of domain name
update_time	String	Last update time of domain name configuration

HTTPS Field Description

Parameter Name	Type	Description
type	Unsigned	Indicates whether to enable HTTPS 0: Disable 2: Enable (with "Use HTTP for Origin-Pull" enabled) 4: Enable (with "Use Request Protocol for Origin-Pull" enabled)
cert_id	String	Tencent Cloud-hosted certificate ID, which is returned when a Tencent Cloud-hosted certificate is used
cn	String	Certificate domain name

Parameter Name	Type	Description
expire	String	Expiration time of the SSL certificate
message	String	Certificate remarks
http2	String	Indicates whether to enable HTTP 2.0 on: Enable off: Disable

Note:

The fields not described above are **inapplicable fields** and can be ignored.

Sample Code

Configuration example

```
host: dsa.qcloud.com
projectId:0
origin:origin.dsa.qcloud.com:8080
```

GET Request

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

```
https://dsa.api.qcloud.com/v2/index.php?
Action=CreateDsaHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462440051
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&host=dsa.qcloud.com
&projectId=0
&origin=origin.dsa.qcloud.com:8080
```

POST Request

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

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

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

```
array(  
  'Action' => 'CreateDsaHost',  
  'SecretId' => 'SecretId',  
  'Timestamp' => 1462782282,  
  'Nonce' => 123456789,  
  'Signature' => 'Signature',  
  'host' => 'host',  
  'origin' => 'origin',  
  'projectId' => 'project_id',  
);
```

Example of returned result

Created successfully

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success",  
  "data": {  
    "host_id": 3827,  
    "app_id": 1251396975,  
    "project_id": 0,  
    "host": "arnoapi2.elliottxing.com",  
    "cname": "arnoapi2.elliottxing.com.dsa.dnsv1.com",  
    "status": "online",  
    "progress": 1,  
    "mode": 0,  
    "locked": 0,  
    "deleted": 0,  
    "origin": "8.8.8.8:8080",  
    "fwd_host": "arnoapi2.elliottxing.com",  
    "rsp_header": [],  
    "https": {"type": 0},  
    "message": "",  
    "create_time": "2018-05-27 19:42:04",  
    "update_time": "2018-05-27 19:42:06"  
  }  
}
```



```
}  
}
```

Creation failed

```
{  
  "code": 4000,  
  "message": "(2001) The domain name you submitted already exists. Do not add it again.",  
  "codeDesc": "InvalidParameter"  
}
```

Activate Accelerated Domain Name

Last updated : 2018-08-13 10:09:22

API Description

This API (OnlineDsaHost) is used to enable DSA service for the specified accelerated domain names.
Domain name for API request: dsa.api.qcloud.com

- 1) You can only enable DSA for one domain name at a time with this API;
- 2) This feature applies to the deactivated domain names;
- 3) A maximum of 100 calls to this API are allowed per minute. If the limit is exceeded, an error is returned.

Input Parameters

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

Parameter Name	Required	Type	Description
hostId	Yes	Unsigned	The ID of the domain name after it is connected to DSA. You can obtain the ID through the API Query Domain Name List

Output Parameters

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

Example

1. Configuration example

Enable DSA service for the domain name dsa.qcloud.com:

```
host: dsa.qcloud.com
hostId: 1234
```

2. GET request

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

```
https://dsa.api.qcloud.com/v2/index.php?
Action=OnlineDsaHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462440051
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&hostId=1234
```

3. POST request

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

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

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

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

4 Example of returned result

Enabled successfully

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

Enabling failed

```
{
  "code": 4000,
  "message": "(2000) Accelerated domain name does not exist",
  "codeDesc": "InvalidParameter"
}
```

Deactive DSA Domain Name

Last updated : 2018-08-13 10:10:13

API Description

This API (OfflineDsaHost) is used to disable DSA service for the specified accelerated domain names.

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

- 1) You can only disable DSA for one domain name at a time with this API;
- 2) After DSA is disabled for a domain name, the Cname domain name resolution is switched back to the origin server, and 404 is returned for all the access requests from HOST to CDN nodes;
- 3) A maximum of 100 calls to this API are allowed per minute. If the limit is exceeded, an error is returned.

Input Parameters

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

The Action field for this API is OfflineDsaHost.

Parameter Name	Required	Type	Description
hostId	Yes	Unsigned	The ID of the domain name after it is connected to DSA. You can obtain the ID through the API Query Domain Name List

Output Parameters

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

Parameter Name	Type	Description
codeDesc	String	Error message or error code at business side.

Example

1. Configuration example

Disable DSA service for the domain name dsa.qcloud.com:

```
host: dsa.qcloud.com
hostId: 1234
```

2. GET request

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

```
https://dsa.api.qcloud.com/v2/index.php?
Action=OfflineDsaHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462440051
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&hostId=1234
```

3. POST request

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

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

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

```
array (
  'Action' => 'OfflineDsaHost',
  'SecretId' => 'SecretId',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
```

```
'Signature' => 'Signature',  
'hostId' => 1234  
)
```

4 Example of returned result

Disabled successfully

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

Failed to Disable

```
{  
  "code": 4000,  
  "message": "Request failed. Parameter [hostId] cannot be empty.",  
  "codeDesc": "InvalidParameter"  
}
```

Delete Accelerated Domain Name

Last updated : 2018-08-13 10:11:07

API Description

This API (DeleteDsaHost) is used to delete DSA service for the specified accelerated domain names.

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

- 1) You can only delete DSA service for one domain name at a time with this API;
- 2) This API only applies to the deactivated domain names;
- 3) A maximum of 100 calls to this API are allowed per minute. If the limit is exceeded, an error is returned.

Input Parameters

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

The Action field for this API is DeleteDsaHost.

Parameter Name	Required	Type	Description
hostId	Yes	Unsigned	The ID of the domain name after it is connected to DSA. You can obtain the ID through the API Query Domain Name List

Output Parameters

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

Parameter Name	Type	Description
codeDesc	String	Error message or error code at business side.

Example

1. Configuration example

Delete the DSA service for the domain name dsa.qcloud.com:

```
host:dsa.qcloud.com
hostId:1234
```

2. GET request

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

```
https://dsa.api.qcloud.com/v2/index.php?
Action=DeleteDsaHost
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462440051
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&hostId=1234
```

3. POST request

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

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

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

```
array (
  'Action' => 'DeleteDsaHost',
  'SecretId' => 'SecretId',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
```

```
'Signature' => 'Signature',  
'hostId' => 1234  
)
```

4 Example of returned result

Deleted successfully

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

Deletion failed

```
{  
  "code": 4000,  
  "message": "(2005) The requested domain name has been deactivated.",  
  "codeDesc": "InvalidParameter"  
}
```

Modify Domain Name Configuration

Last updated : 2018-08-13 10:11:48

API Description

This API (UpdateDsaHostInfo) is used to modify the origin server configuration for a domain name.

Domain name for API request: `dsa.api.qcloud.com`

1. For the deactivated or under-deployment domain names, modifying the configuration is not allowed;
2. You can only modify the configuration for one domain name at a time;
3. You can modify multiple configuration items for the same domain name at a time;
4. A maximum of 100 calls to this API are allowed per minute.

Supported operations

- Modify origin server configuration.
- Modify the project of a domain name.
- Modify HTTPS configuration.
- Set response header.

Input Parameters

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

The Action field for this API is UpdateDsaHostInfo.

Parameter Name	Required	Type	Description
hostId	Yes	Int	The ID of the domain name after it is connected to DSA. You can query the hostId of the domain name through the API Query Domain Name List
projectId	No	Unsigned	The ID of the project to which the domain name is to be added. View the project ID

Parameter Name	Required	Type	Description
origin	No	String	Origin server address. You can enter an origin server domain name or multiple origin server IPs Supported format: domain:port or ip:port The port number should be between 0 and 65535
https	No	String	HTTPS configuration information (JSON), which is required when you modify HTTPS configuration. View the HTTPS information
rspHeader	No	String	Custom header information, which is required when you modify the custom origin-pull header. View the custom header configuration

HTTPS configuration

Parameter Name	Required	Type	Description
type	Yes	Int	Indicates whether to enable HTTPS 0: Disable 2: Enable (with "Use HTTP for Origin-Pull" enabled) 4: Enable (with "Use Request Protocol for Origin-Pull" enabled)
crt	No	String	Certificate in PEM format. It is required when HTTPS is enabled.
private_key	No	String	Private key in PEM format. It is required when HTTPS is enabled.
cert_id	No	String	If HTTPS is enabled and Tencent Cloud-hosted certificate is used, the certificate ID is required
message	No	String	Remarks

Note

You're recommended to submit the certificate information using **POST method** to prevent the URL length from exceeding the limit.

Custom header configuration

The custom origin-pull header is configured in JSON format as shown below:

```
{
  "key_name_1":"value_1",
  "key_name_2":"value_2",
  ...
  "key_name_N":"value_N"
}
```

Note

It is recommended to **use POST method for submission** when setting the custom header to prevent the URL length from exceeding the limit.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code 0: Successful Other values: Failed. For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API
codeDesc	String	Error message or error code at business side.
data	Object	Output result. The modified configuration information of the domain name is returned

data Field Description

Parameter Name	Type	Description
host_id	Int	The unique ID of the domain name after it is connected to DSA
app_id	Int	APPID of domain name owner

Parameter Name	Type	Description
project_id	Unsigned	ID of project to which the domain name belongs
host	String	Accelerated domain name
cname	String	Cname of the domain name after it is connected to DSA
status	String	Status of the domain name. online: Activated offline: Deactivated
process	Int	Deployment status 0: Deployed 1: Deploying
mode	Int	Indicates whether the domain name is blocked; "0" indicates that the domain name is not blocked
locked	Int	Indicates whether OPS is locked. 0: Unlocked. You can directly modify the configuration 1: Locked. You need to submit a ticket to modify the configuration
deleted	Int	Indicates whether the domain name has been deleted. 0: Not deleted 1: Deleted
origin	String	Origin server address
fwd_host	String	Original-pull host configuration
rsp_header	Array	Custom response header configuration information
https	Object	HTTPS configuration information as described below.
message	String	Message description
create_time	String	Creation time of domain name
update_time	String	Last update time of domain name configuration

HTTPS Field Description

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

Parameter Name	Type	Description
type	Unsigned	Indicates whether to enable HTTPS 0: Disable 2: Enable (with "Use HTTP for Origin-Pull" enabled) 4: Enable (with "Use Request Protocol for Origin-Pull" enabled)
cert_id	String	Tencent Cloud-hosted certificate ID, which is returned when a Tencent Cloud-hosted certificate is used
cn	String	Certificate domain name
expire	String	Expiration time of the SSL certificate
message	String	Certificate remarks
http2	String	Indicates whether to enable HTTP 2.0 on: Enable off: Disable

Note:

The fields not described above are **inapplicable fields** and can be ignored.

Sample Code: Modify Origin Server Address

Configuration Example

Modify the origin server address of `dsa.qcloud.com` from `source.dsa.qcloud.com` to `source2.dsa.qcloud.com`

```
host: dsa.qcloud.com
hostId: 1234
origin: source2.dsa.qcloud.com
```

GET Request

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

https://dsa.api.qcloud.com/v2/index.php?

```
Action=UpdateDsaHostInfo
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1462520137
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&hostId=1234
&origin=source2.dsa.qcloud.com
```

POST Request

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

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

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

```
array (
  'Action' => 'UpdateDsaHostInfo',
  'SecretId' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'Timestamp' => 1462782282,
  'Nonce' => 123456789,
  'Signature' => 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX',
  'hostId' => '1234',
  'origin' => 'source2.dsa.qcloud.com',
)
```

Example of returned result**Modified successfully**

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": {
    "host_id": 1234,
    "app_id": *****,
    "project_id": 0,
    "host": "dsa.qcloud.com",
    "cname": "dsa.qcloud.com.dsa.dnsv1.com",
    "status": "online",
  }
}
```



```
"progress": 0,
"mode": 0,
"locked": 0,
"deleted": 0,
"origin": "source2.dsa.qcloud.com",
"fwd_host": "dsa.qcloud.com",
"rsp_header": [],
"https": {"type": 0},
"ip_access": {"type": "off", "ips": []},
"ip_freq_limit": 0,
"message": "",
"create_time": "2017-11-17 11:07:08",
"update_time": "2018-01-28 12:52:02"
}
}
```

Modification failed

```
{
"code": 4000,
"message": "(2000) Accelerated domain name does not exist",
"codeDesc": "InvalidParameter"
}
```

Sample Code: Modify HTTPS Configuration

Configuration Example

Enable HTTPS configuration for the domain name `dsa.qcloud.com`, and use self-owned certificate and "Use Request Protocol for Origin-Pull"

```
host: dsa.qcloud.com
hostId: 1234
Origin-Pull mode: Use Request Protocol for Origin-Pull
Certificate information: *
Private key of certificate: *
```

GET Request

When uploading certificate information, do not use Get method to submit configuration modification request to prevent URL length from exceeding the limit.

POST Request

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

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

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

```
array (  
  'Action' => 'UpdateDsaHostInfo',  
  'SecretId' => 'SecretId',  
  'Timestamp' => 1462782282,  
  'Nonce' => 123456789,  
  'Signature' => 'Signature',  
  'hostId' => '1234',  
  'https' => '{"type":4,"cert":"certificate content","private_key":"certificate's private key content"}',  
)
```

Example of returned result

Modified successfully

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success",  
  "data": {  
    "host_id": 1234,  
    "app_id": *****,  
    "project_id": 0,  
    "host": "dsa.qcloud.com",  
    "cname": "dsa.qcloud.com.dsa.dnsv1.com",  
    "status": "online",  
    "progress": 0,  
    "mode": 0,  
    "locked": 0,  
    "deleted": 0,  
    "origin": "source.dsa.qcloud.com",  
    "fwd_host": "dsa.qcloud.com",  
    "rsp_header": [],  
  }  
}
```

```
"https": {  
  "type": 4  
  "crt": "*****"  
  "private_key": "*****"  
},  
"message": "",  
"create_time": "2017-11-17 11:07:08",  
"update_time": "2018-01-28 12:52:02"  
}  
}
```

Modification failed

```
{  
  "code": 4000,  
  "message": "(3003) Certificate does not match private key",  
  "codeDesc": "InvalidParameter"  
}
```

Data Query

Query Monitoring Data

Query Monitoring Data

Last updated : 2018-08-13 10:14:31

API Description

This API (GetDsaStatistics) is used to query the monitoring data for a specified time range, allowing you to observe the changes in access to domain names.

Domain name for API request: `dsa.api.qcloud.com`

Note:

- A maximum of 100 calls to this API are allowed per minute. Do not call the API frequently.
- The monitoring data of more than one item or domain name can be queried at a time.
- Details of more than one monitoring metric can be queried at a time.
- The time span for query is limited to 90 days.

The monitoring metrics allowed for query

Statistical Metric	Metric Name	Metric Description
Access traffic	flux	Queries the monitoring data of access traffic by domain name (in byte)
Access bandwidth	bandwidth	Queries the monitoring data of access bandwidth by domain name (in bps)
Number of requests	request	Queries the monitoring data of the number of requests for accessing domain names
Access latency	delay	Queries the average access latency by domain name (in ms)
Status code	Status code value	Queries the monitoring data of status codes by domain name

Input Parameters

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

Parameter	Required	Type	Value Example	Description
metrics	Yes	String	["flux","request"]	Statistical metric. More than one metric can be submitted at a time in JSON format.
projects	No	Unsigned	[1001853]	Lists project IDs, View project Ids Submitted in JSON format
hosts	No	String	["test.qcloud.com"]	List of domain names, which is used when monitoring data is queried by domain name. It is submitted in JSON format.
startDate	No	String	2018-04-19	Start date, which is the query date by default Format: YY-MM-DD
endDate	No	String	2018-04-20	End date, which is the query date by default Format: YY-MM-DD
granularity	No	Unsigned	15	Query granularity (in minute). For more information, please see Rules for query granularity

Notes:

- By default, the combined statistics of all domain names under the account are queried when no query object is specified.
- When querying multiple items or domain names, you are recommended to use the POST method for submission, so as to prevent the URL length from exceeding the limit due to an overlong query parameter.

Rules for query granularity

Time Span	Default Granularity	Supported Query Granularity
1 day	1	1,5,15,30,60,120,240,1440
2-3 days	15	15,30,60,120,240,1440
4-7 days	30	30,60,120,240,1440
8-90 days	60	60,120,240,1440

Data aggregation:

1. The monitoring data queried every 1 minute is used as the basic data sampling point.
2. The monitoring data of access traffic, number of accesses, status codes are accumulated and merged by time.
3. Average access latencies are merged.
4. For the bandwidth monitored at the granularity of 5 minutes, use the bandwidth generated every 1 minute as the sample value and take the average bandwidth value within 5 minutes.
5. For the bandwidth monitored at the granularity of more than 5 minutes, use the bandwidth generated every 5 minutes as the sample value and take the maximum bandwidth value.

Output Parameters

Parameter	Type	Description
code	Int	Common error code 0: Successful Other values: Failed For more information, please see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API
codeDesc	String	Error message or error code at business side
data	Array	Details on the queried data. For more information, please see data Field Description

Notes:

- By default, the combined monitoring statistics of all domain names are returned by account when no query object is specified.
- When a domain name or an item is specified, the monitoring statistics of each domain name is returned by domain name.

data Field Description

Parameter	Data Type	Description
datetime	String	Data time, for example: 2018-04-19 01:00:00
bandwidth	Unsigned	This is returned when query metrics include bandwidth (in bps)
flux	Unsigned	This is returned when query metrics include traffic (in byte)
request	Unsigned	This is returned when query metrics include number of requests
delay	Unsigned	This is returned when query metrics include access latency (in ms)
Status code	Unsigned	Number of accesses to the specified status code is returned

Sample Code

Query the monitoring data of bandwidth under the account

Requirement

Query the monitoring data of bandwidth for all domain names under the account on Apr. 19, 2018 at a granularity of 60 minutes.

GET Request

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

```
https://dsa.api.qcloud.com/v2/index.php?
Action=GetDsaStatistics
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1524279600
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&metrics=["bandwidth"]
&startDate=2018-04-19
&endDate=2018-04-19
&granularity=60
```

Notes:

To prevent the URL length from exceeding the limit due to an overlong query parameter, this API is called to submit query requests using the POST method by default.

POST request

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

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

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

```
array (  
  'Action' => 'GetDsaHostLogs',  
  'SecretId' => 'SecretId',  
  'Timestamp' => 1524279600,  
  'Nonce' => 123456789,  
  'Signature' => 'Signature',  
  'metrics' => ["bandwidth"],  
  'startDate' => 2018-04-19,  
  'endDate' => 2018-04-19,  
  'granularity' => 60  
)
```

Example of returned result

1. Query successful

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success",  
  "data": {  
    {  
      "datetime": "2018-04-19 00:00:00",  
      "bandwidth": 589746515  
    },  
    {  
      "datetime": "2018-04-19 01:00:00",  
      "bandwidth": 489746515  
    }  
  }  
}
```



```
},  
{  
  "datetime": "2018-04-19 02:00:00",  
  "bandwidth": 375489625  
},  
.....  
{  
  "datetime": "2018-04-19 23:00:00",  
  "bandwidth": 589746515  
}  
}  
}
```

2. Query failed

```
{  
  "code": 4100,  
  "message": "Authentication failed. For more information, please see the Authentication section in the document.",  
  "codeDesc": "AuthFailure"  
}
```

Query the monitoring data of the number of requests for accessing the specified domain name(s) and the access traffic

Requirement

Query the monitoring data of the number of requests for accessing the domain names test1.dsa.qcloud.com and test2.dsa.qcloud.com as well as the access traffic on Apr. 19, 2018 at a granularity of 5 minutes.

GET Request

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

```
https://dsa.api.qcloud.com/v2/index.php?  
Action=GetDsaStatistics  
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&Timestamp=1524279600  
&Nonce=123456789  
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
&metrics=["request", "flux"]  
&hosts=["test1.dsa.qcloud.com", "test2.dsa.qcloud.com"]  
&startDate=2018-04-19
```

```
&endDate=2018-04-19
&granularity=5
```

Notes:

If there are a large number of domain names, to prevent the URL length from exceeding the limit due to an overlong query parameter, this API should be called to submit query requests using the POST method.

POST request

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

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

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

```
array (
  'Action' => 'GetDsaHostLogs',
  'SecretId' => 'SecretId',
  'Timestamp' => 1524279600,
  'Nonce' => 123456789,
  'Signature' => 'Signature',
  'metrics' => ["request","flux"],
  'hosts' => ["test1.dsa.qcloud.com","test2.dsa.qcloud.com"],
  'startDate' => 2018-04-19,
  'endDate' => 2018-04-19,
  'granularity' => 5
)
```

Example of returned result

1. Query successful

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": {
    test1.dsa.qcloud.com:[
      {
        "datetime": "2018-04-19 00:00:00",
```

```
"request": 589746515,
"flux":
},
{
"datetime": "2018-04-19 00:05:00",
"request": 489746515,
"flux":
},
{
"datetime": "2018-04-19 00:10:00",
"request": 375489625,
"flux":
},
.....
{
"datetime": "2018-04-19 23:55:00",
"request": 589746515,
"flux":
}
],
test2.dsa.qcloud.com:[
{
"datetime": "2018-04-19 00:00:00",
"request": 589746515,
"flux":
},
{
"datetime": "2018-04-19 00:05:00",
"request": 489746515,
"flux":
},
{
"datetime": "2018-04-19 00:10:00",
"request": 375489625,
"flux":
},
.....
{
"datetime": "2018-04-19 23:55:00",
"request": 589746515,
"flux":
}
]
}
}
```

2. Query failed

```
{  
  "code": 4100,  
  "message": "Authentication failed. For more information, please see the Authentication section in the document.",  
  "codeDesc": "AuthFailure"  
}
```

Query Statistical Metric

Query Statistics Metrics for Domain Name

Last updated : 2018-08-13 10:16:13

API Description

This API (GetDsaHostStatistics) is used to query statistical metrics for log access in a specific period of time, allowing you to get statistics on log access.

Domain name: `dsa.api.qcloud.com`

Note:

- A maximum of 100 calls to this API are allowed per minute. Do not call the API frequently.
- More than one item or domain name can be queried at a time, and a summary of the usage data is displayed by domain name.

Description of statistical metrics

Statistical Metric	Metric Name	Metric Description
Total traffic	flux	Calculates the total traffic in the query period by domain name (in byte)
Peak bandwidth	bandwidth	Calculates the peak bandwidth in the query period by domain name (in bps)
Total requests	request	Calculates the total number of requests in the query period by domain name
Average access latency	delay	Calculates the average access latency in the query period by domain name (in ms)

Request Parameters

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

Action field for this API is `GetDsaHostStatistics` .

Parameter	Required	Type	Example	Description
metrics	Yes	String	flux	Statistical metric name. For more information, please see Description of statistical metrics
projects	No	Unsigned	[1001853]	Lists project IDs, View project Ids Submitted in JSON format
hosts	No	String	test.qcloud.com	Lists domain names, used to query data by domain name Domain names are submitted in JSON format
startDate	No	String	2018-04-19	Start time Format: YY-MM-DD
endDate	No	String	2018-04-20	End time, format: YY-MM-DD
offset	No	Unsigned	15	Queries the number of offsets
length	No	Unsigned	10	Length of this query

Parameter description:

- When the start time or the end time is empty, the statistics on the day of the query are returned by default.
- By default, combined statistics of all domain names are queried by account when no query object is specified.
- To prevent the URL length from exceeding the limit due to an overlong query parameter when more than one project or domain name is queried, you are recommended to submit your requests using the POST method.
- When there are a large number of accounts under an account, you can use "offset" and "length" to set fragmented queries. The queried domain names are displayed in a descending order from the first metric specified in "metrics".

Response Parameters

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

Parameter	Type	Description
code	Int	Common error code 0: Successful Other values: Failed For more information, please see Common Error Codes on the Error Codes page
message	String	Module error message description depending on API
codeDesc	String	Error message or error code at business side
data	Array	Details on the queried data. For more information, please see data Field Description

data Field Description

Parameter Name	Type	Description
host	String	Domain name For example: dsatest.qcloud.com
flux	Unsigned	Total traffic
bandwidth	Unsigned	Peak bandwidth
request	Unsigned	Total number of requests
delay	Unsigned	Average access latency

Sample Code

Configuration example

Queries the statistics on traffic, bandwidth, and number of requests of all domain names under an account on 2018-04-17.

GET Request

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

```
https://dsa.api.qcloud.com/v2/index.php?
Action=GetDsaHostStatistics
&SecretId=XXXXXXXXXXXXXXXXXXXXXXXXXXXX
&Timestamp=1524279600
```

```
&Nonce=123456789
&Signature=XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
&metrics=[bandwidth]
&startDate=2018-04-17
&endDate=2018-04-17
```

Note:

To prevent the URL length from exceeding the limit due to an overlong query parameter, this API is called to submit query requests using the POST method by default.

POST Request

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

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

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

```
array (
  'Action' => 'GetDsaStatistics',
  'SecretId' => 'SecretId',
  'Timestamp' => 1524279600,
  'Nonce' => 123456789,
  'Signature' => 'Signature',
  'metrics' => ["flux","bandwidth","request"],
  'startDate' => "2018-04-17"
  'endDate' => "2018-04-17"
)
```

Example of returned result

Query Successful

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": {
    {
      "host": "a.dsa.qcloud.com",
```



```
"flux":265412354,  
"bandwidth": 589746515,  
"request":123456548  
},  
.....  
{  
"host": "b.dsa.qcloud.com",  
"flux":362124545,  
"bandwidth": 749516585,  
"request":156534248  
}  
}  
}
```

Query Failed

```
{  
"code": 4100,  
"message": "Authentication failed. For more information, please see the Authentication section in the document.",  
"codeDesc": "AuthFailure"  
}
```

Log API

Download Access Logs

Last updated : 2018-08-13 10:13:19

API Description

This API (GetDsaHostLogs) is used to query log download URLs for domain names.

Domain name: `dsa.api.qcloud.com`

Note:

- A maximum of 100 calls to this API are allowed per minute.
- This API can query log download URLs for up to 10 domain names at a time.
- Logs are packaged and the download URLs are generated with a granularity of one hour by default.
- A log download URL is valid for 24 hours and needs to be queried once again if expired.
- If no access log is generated for an hour during the query period, no download URL will be generated.
- Logs are queried on a per-day basis and you can obtain access logs generated over the last 40 days.
- It takes a while to collect access logs, which cannot be collected across the platform until they have been generated for two hours.

Request Parameters

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

Parameter	Required	Type	Value Example	Description
hosts	Yes	String	["dsatest.qcloud.com"]	Lists domain names, submitted in JSON format For more information, please see Sample Code

Parameter	Required	Type	Value Example	Description
startDate	No	String	2018-04-19	Start time, format: YY-MM-DD
endDate	No	String	2018-04-19	End time, format: YY-MM-DD

Parameter description:

- When the start time or the end time is empty, the log download URLs of the day is returned by default.
- When querying multiple domain names simultaneously, you are recommended to use the POST method for submission, so as to prevent the URL length from exceeding the limit.

Response Parameters

Parameter	Type	Description
code	Int	Common error code 0: Successful Other values: Failed For more information, please see Common Error Codes on the Error Codes page
message	String	Module error message description depending on API
codeDesc	String	Error message or error code at business side
data	Object	Data on log download URLs, which is displayed by domain name. For more information, please see data Field Description

data Field Description

Parameter	Type	Description
Query domain names	Array	Detailed log download URLs for domain names. For more information, please see Description of the Detailed Log Download URLs for Domain Names field

Parameter Description:

When more than one domain name is queried, the log download URL for each domain name is displayed separately in an array, which is of the same name as the domain.

When the log download URLs for the domain names a.dsa.qcloud.com and b.dsa.qcloud.com are queried simultaneously, then the log URL arrays "a.dsa.qcloud.com" and "b.dsa.qcloud.com" are contained in the returned data.

Description of the Detailed Log Download URLs for Domain Names field

Parameter	Type	Description
datetime	String	Log period For example: 2018-04-19 12:00:00
url	String	Log download URLs in the corresponding period

Sample Code

Configuration example

Query the log download URLs for the domain names a.dsa.qcloud.com and b.dsa.qcloud.com on 2018-04-18.

GET Request

To prevent the URL length from exceeding the limit due to an overlong query parameter, this API is called to submit query requests using the POST method by default.

POST Request

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

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

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

```
array (  
  'Action' => 'GetDsaHostLogs',  
  'SecretId' => 'SecretId',  
  'Timestamp' => 1507805426982,  
  'Nonce' => 123456789,  
  'Signature' => 'Signature',  
  'hosts' => '["a.dsa.qcloud.com","b.dsa.qcloud.com"]',  
  'startDate' => '2018-04-18',  
  'endDate' => '2018-04-18'  
)
```

Example of returned result

Query Successful

```
{
  "code": 0,
  "message": "",
  "codeDesc": "Success",
  "data": {
    "a.dsa.qcloud.com": [
      {
        "datetime": "2018-04-18 00:00:00",
        "url": "http://dsa-log-download.cdn.qcloud.com/20180418/00/20180418-a.dsa.qcloud.com?st=XBkch5nGvXSCKqZcdNLOrg&e=1508669326"
      },
      .....
      {
        "datetime": "2018-04-18 23:00:00",
        "url": "http://dsa-log-download.cdn.qcloud.com/20180418/23/20180418-a.dsa.qcloud.com?st=Ctkch5VGvXDCKqZcdgLORE&e=1108623346"
      }
    ],
    "b.dsa.qcloud.com": [
      {
        "datetime": "2018-04-18 00:00:00",
        "url": "http://dsa-log-download.cdn.qcloud.com/20180418/00/20180418-b.dsa.qcloud.com?st=XBkch5nGvXSCKqZcdNLOrg&e=1508069326"
      },
      .....
      {
        "datetime": "2018-04-18 23:00:00",
        "url": "http://dsa-log-download.cdn.qcloud.com/20180418/23/20180418-b.dsa.qcloud.com?st=Ctkch5VGvXDCKqZcdgLORE&e=3108623346"
      }
    ]
  }
}
```

Query Failed

```
{
  "code": 4100,
  "message": "Authentication failed. For more information, please see the Authentication section in the
```

```
document.",  
"codeDesc": "AuthFailure"  
}
```