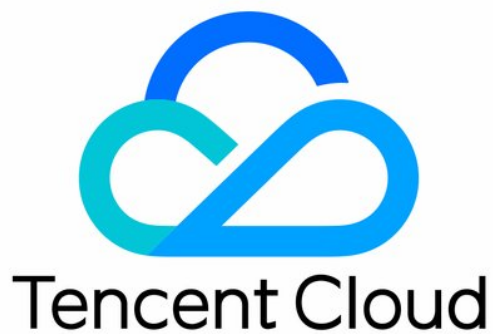


API Gateway

API Documentation

Product Introduction



Copyright Notice

©2013-2018 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

Contents

API Documentation

Calling Method

Request Structure

Overview

Common Request Parameters

API Request Parameters

Final Request Format

Signature Method

Return Result

Successful Request Response

Failed Request Response

Return Format of Asyn Task APIs

Error Code

API Management-Related APIs

Modify API

Delete API

Query API Info

Query API List

Debug API

Create API

Query API Usage Plan Details

Service-Related APIs

Deactivate Service

Modify Service

Switch Service Version

Create Service

Delete Service

Delete Path Mapping of Custom Domain Name

Publish Service

Modify Custom Domain Name Bound with Service

Bind Custom Domain Name to Service

Unbind Custom Domain Name from Service

Query Service Usage Plan Details

Query Service List

Query Version of Published Service

- Query Service Environment List
- Query Publishing history of Service Environment
- Query Service Details
- Query Custom Domain Name List
- Query Path Mapping of Custom Domain Name

Key-Related APIs

- Create Key
- Delete Key
- Enable Key
- Change Key
- Query Key List
- Query Key Details
- Disable Key

Usage Plan-Related APIs

- Unbind Usage Plan from Service Environment
- Bind Key to Usage Plan
- Unbind Key from Usage Plan
- Modify Usage Plan
- Create Usage Plan
- Delete Usage Plan
- Query Usage Plan Status
- Query List of Keys Bound to Usage Plan
- Query List of Environments Bound to Usage Plan
- Query Usage Plan Details
- Bind Usage Plan to Service Environment
- Degrade Usage Plan Bound to Service Environment

Documentation and SDK-Related APIs

- Generate Documentation and SDK

API Documentation

Calling Method

Request Structure

Overview

Last updated : 2018-09-27 15:40:08

You can call a Tencent Cloud API by sending a request that contains the request parameters specified in the API description to the API service address. A Tencent Cloud API request involves service address, communication protocol, request method, request parameters and character encoding, as described below.

Service Address

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

Communication Protocol

Most Tencent Cloud APIs communicate over HTTPS to provide high-security tunnels.

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, parameters are obtained from Querystring. If the POST method is used, parameters are obtained from Request Body, and the parameters in Querystring are ignored. The request parameters are organized in the same way in both types of requests. Generally, the GET method is used. If the parameter strings are too long, the POST method is used.

2. If the GET method is used, all request parameters need to be URL encoded. This is not required if the POST method is used.
3. The maximum length of GET requests varies with different browser and server settings. For example, the limit is 2 KB in traditional IE browsers, and 8 KB in Firefox browsers. For long API requests with a large number of parameters, it is recommended to use the POST method to avoid request failure due to the over-limit string length.
4. For POST requests, the input parameters take a form of `x-www-form-urlencoded`, because the cloud API acquires the request parameters from `$_POST`.

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 each API (see [Common Request Parameters](#)), while API request parameters are specific to each API (see "Request Parameters" in each API document.)

Character Encoding

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

Common Request Parameters

Last updated : 2018-09-27 15:37:39

A complete Tencent Cloud API request requires two types of request parameters: common request parameters and API request parameters. This document describes 6 common request parameters used in Tencent Cloud API requests. For more information about API request parameters, see [API Request Parameters](#).

Common request parameters are required in every API. When developers use Tencent Cloud APIs to send requests, they should make sure that the requests carry these common request parameters. Otherwise, the requests will fail. The first letter of each common request parameter is in uppercase so that the parameter can be differentiated from API request parameters.

Common request parameters are as follows:

Note:

This document illustrates APIs specific to Tencent Cloud CVMs. For APIs specific to other Tencent Cloud products, see the relevant documents.

Parameter Name	Description	Type	Required
Action	The name of the API for the desired operation. For example, when a Tencent Cloud CVM user calls the API Query Instance List , the Action parameter is DescribeInstances.	String	Yes
Region	Region parameter, which is used to identify the region to which the instance you want to work with belongs. For more information, see Regions and Availability Zones , or use the API Query Region List . Notes: 1. Unless otherwise specified in the API document, this parameter is required generally. 2. Some of the regions are under internal trial and only available to certain users.	String	No
Timestamp	The current UNIX timestamp, which is used to record the time when the API request was initiated.	UInt	Yes
Nonce	A random positive integer that is used in conjunction with Timestamp to prevent replay attacks.	UInt	Yes

Parameter Name	Description	Type	Required
SecretId	SecretId for identifying identity that is applied for on Cloud API Key . A SecretId corresponds to a unique SecretKey, which is used to generate the request Signature. For more information, see Signature Method .	String	Yes
Signature	Request signature, which is used to verify the validity of the request. It is generated based on input parameters. For more information, see Signature Method .	String	Yes
SignatureMethod	Signature method. Supported methods include HmacSHA256 and HmacSHA1. The HmacSHA256 method is used to verify signatures only when the parameter is specified as HmacSHA256. Otherwise, HmacSHA1 is used. For more information, see Signature Method .	String	No
Token	The token used for the temporary certificate, which must be used together with a temporary key. No token is required for a long-term key.	String	No

Use Case

The following example shows how common request parameters look like in an API request link for a Tencent Cloud product. If, for example, you want to query the list of Tencent Cloud CVM instances in the Guangzhou region, the request link should look like this:

```
https://cvm.api.qcloud.com/v2/index.php?  
Action=DescribeInstances  
&SecretId=xxxxxxx  
&Region=ap-guangzhou  
&Timestamp=1465055529  
&Nonce=59485  
&Signature=mysignature  
&SignatureMethod=HmacSHA256  
&<API request parameters>
```

API Request Parameters

Last updated : 2018-09-27 15:38:53

A complete Tencent Cloud API request requires two types of request parameters: common request parameters and API request parameters. This document describes API request parameters used in Tencent Cloud API requests. For more information about common request parameters, see [Common Request Parameters](#).

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 a common request parameter.

Note:

This document illustrates parameters specific to Tencent Cloud CVMs. For parameters specific to other Tencent Cloud products, see the relevant API documents.

For example, the Tencent Cloud CVM API [Query Instance List](#) (DescribeInstances) supports the following API request parameters:

Parameter Name	Description	Type	Required
instanceIds.n	An array containing the IDs of CVM instances to be queried, with the subscripts starting from 0. You can use either instanceId or unInstanceId. The unified resource ID unInstanceId is recommended.	String	No
lanIps.n	Array of private IPs of the CVMs to be queried.	String	No
searchWord	CVM alias set by the user.	String	No
offset	Offset. Default is 0.	Int	No
limit	The maximum number of servers that can be queried at a time. Default is 20, and the maximum is 100.	Int	No
status	Status of the CVM to be queried.	Int	No
projectId	Project ID. If this parameter is left empty, the CVM instances of all projects will be queried. 0 indicates the default project. Call the Query Project List (DescribeProject) API to query other projects.	String	No

Parameter Name	Description	Type	Required
simplify	Obtain non-real time data if simplify=1 in the input parameter	Int	No
zoneId	Availability zone ID. If this parameter is left empty, the CVM instances of all availability zones will be queried. Call the Query Availability Zones (DescribeAvailabilityZones) API to query the specified availability zone.	Int	No

The elements of each 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. A parameter name that ends with ".n" represents an array, for which you need to input the array parameters 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.

Type: Data type of the API parameter.

Description: A brief description of the API request parameter.

Use Case

The following example shows how API request parameters look in an API request link for a Tencent Cloud product. If, for example, you want to query the list of scaling groups for a Tencent Cloud CVM, the request link should look like this:

```
https://cvm.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&instanceIds.0=ins-0hm4gvho  
&instanceIds.1=ins-8oby8q00  
&offset=0  
&limit=20  
&status=2  
&zoneId=100003
```

Final Request Format

Last updated : 2018-09-27 15:39:31

Construction Rule

A Tencent Cloud API request URL is constructed as follows:

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

The elements of each URL are described as follows:

- **Request domain name:** It varies with the product or product module to which the API belongs. For example, the request domain name for the Tencent Cloud CVM API for querying instance list (DescribeInstances) is: `cvm.api.qcloud.com` . For more information about the request domain names for different products, see the relevant API documents.
- **Request path:** The request path for the product to which the Tencent Cloud API belongs. Each product has a fixed path. For example, the request path for Tencent Cloud CVM is always `/v2/index.php` .
- **Final request parameter string:** The API request parameter string consists of common request parameters and API request parameters.

Use Case

The final request URL for a Tencent Cloud API is as follows:

Taking the Tencent Cloud CVM API [Query Instance List](#) (DescribeInstances) as example, the first 6 parameters are common request parameters, and the last 6 ones are API request parameters.

```
https://cvm.api.qcloud.com/v2/index.php?  
Action=DescribeInstances  
&SecretId=xxxxxxx  
&Region=gz  
&Timestamp=1465055529  
&Nonce=59485  
&Signature=mysignature //Common request parameters  
&instanceIds.0=ins-0hm4gvho  
&instanceIds.1=ins-8oby8q00  
&offset=0  
&limit=20  
&status=2  
&zonedId=100003 //API request parameters
```

Signature Method

Last updated : 2018-09-27 15:46:28

Tencent Cloud API authenticates each access request, so each request is required to include signature information in the common request parameters for user authentication. The signature is generated with user's security credentials, which consist of a SecretId and a SecretKey. If you don't have security credentials, apply for the credentials from the Tencent Cloud official website. Otherwise, you will not be able to call the cloud APIs.

Applying for Security Credentials

Before using Tencent Cloud's APIs for the first time, you need to apply for security credentials on **Tencent Cloud Console** -> [API Key Management](#). Security credentials consist of a SecretId and a SecretKey, where:

- **SecretId**: Used to identify the API caller;
- **SecretKey**: Used for signature string encryption, and signature string verification by the server.

Note:

API key is very important for building Tencent Cloud API requests. With Tencent Cloud APIs, you can work with all of your Tencent Cloud resources under your account. For the security of your property and services, keep the key well and change it regularly (after changing the key, be sure to delete the old one as soon as possible).

How to apply for security credentials

1. Log in to the [Tencent Cloud Console](#).
2. Click **Products**, and select **Cloud API Key** under **Management Tools** to go to the cloud API key management page.



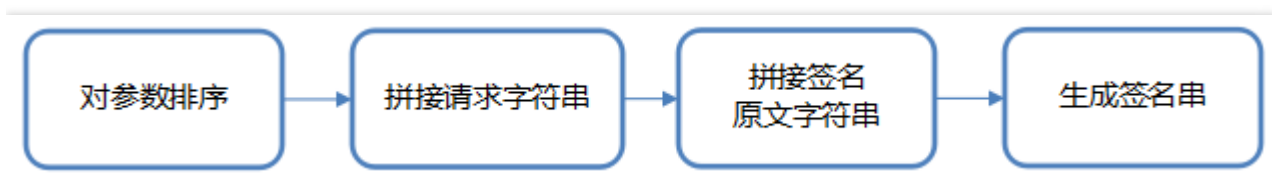
3. On the [API Key Management](#) page, click **New Key** to create a pair of SecretId/SecretKey.

Notes:

- A developer account can have two pairs of SecretId/SecretKey at most.
- The QQ accounts added as sub-users by a developer can apply for different security credentials on different developer consoles.
- The security credentials of a sub-user can only be used to call some of the cloud APIs.

Generating a Signature String

With the Secret ID and Secret Key, a signature string can be generated. The following is the process for generating a signature string:



Suppose that you have the following SecretId and SecretKey:

SecretId: AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA

SecretKey: Gu5t9xGARNpq86cd98joQYCN3Cozk1qA

Note:

This information is only for demonstration purpose. Make sure you proceed with your actual SecretId, SecretKey and request parameters.

For example, when you call Tencent Cloud CVM's API [View Instance List](#) (DescribeInstances), the request parameters are as follows:

Parameter Name	Description	Parameter Value
Action	Method name	DescribeInstances
SecretId	Key ID	AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA
Timestamp	Current timestamp	1465185768
Nonce	A random positive integer	11886
Region	The region where the instance resides	ap-guangzhou
SignatureMethod	Signature method	HmacSHA256
InstanceId.0	ID of the instance to be queried	ins-09dx96dg

1. Sort parameters

First, sort all the request parameters in an ascending lexicographical order by their names. (This is like sorting words in a dictionary in an ascending alphabetical order or numerical order. That is to say, sort the parameters by their first letters, then by their second letters if their first letters are the same, and so on). You can complete the sorting process using relevant sorting functions in the programming language, such as the ksort function in PHP. The parameters in the example are sorted as follows:

```
{
  "Action" : "DescribeInstances",
  "InstanceId.0" : "ins-09dx96dg"
  "Nonce" : 11886,
  "Region" : "ap-guangzhou",
  "SecretId" : "AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA",
  "SignatureMethod" : "HmacSHA256",
```

```
"Timestamp" : 1465185768,  
}
```

Any other programming language can be used to sort these parameters as long as the same result is produced.

2. Generate a request string

This step is to generate a request string.

Format the request parameters sorted in the previous step as "parameter name"="parameter value" . For example, if the parameter value of "Action" is "DescribeInstances" , the resulting format is Action=DescribeInstances .

Notes:

1. "Parameter value" is the original value, instead of the URL encoded value.
2. Any underscore in the Key of input parameter needs to be replaced with ".". But the underscore in Value does not. For example, Placement_Zone=CN_GUANGZHOU needs to be converted to Placement.Zone=CN_GUANGZHOU .

Then, join the formatted parameters together with "&" to generate the final request string (ignore the line breaks in the text):

```
Action=DescribeInstances  
&InstanceId=ins-09dx96dg  
&Nonce=11886  
&Region=ap-guangzhou  
&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA  
&SignatureMethod=HmacSHA256  
&Timestamp=1465185768
```

3. Generate an original signature string

This step is used to generate an original signature string.

The original signature string is constructed as follows:

Request method+Request CVM+Request path+?+Request string

Description of parameters:

- **Request method:** The POST and GET methods are supported. In this case, a GET request is used. The methods must be in upper-case.
- **Request CVM:** The CVM domain name. The domain name for request varies with the product or product module to which the API belongs. For example, for Tencent Cloud CVM's API for querying instance list (DescribeInstances), the domain name for request is: `cvm.api.qcloud.com` . For more information on the domain names for requests in different products, please see the description of each API.
- **Request path:** This is the request path for the Tencent Cloud product corresponding to the API. Each product has a fixed path. For example, the request path for Tencent Cloud CVM is always `/v2/index.php` .
- **Request string:** The request string generated in the previous step.

The resulting original signature string in the above example is as follows (ignore the line breaks in the text):

```
GETcvm.api.qcloud.com/v2/index.php?Action=DescribeInstances
&InstanceId=ins-09dx96dg
&Nonce=11886
&Region=ap-guangzhou
&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA
&SignatureMethod=HmacSHA256
&Timestamp=1465185768
```

4. Generate a signature string

This step is to generate a signature string.

Note:

You can compute a signature using two methods: HmacSHA256 and HmacSHA1. The signature string is generated with the signature algorithm you specified (parameter SignatureMethod). If you specify HmacSHA256 as SignatureMethod, the signature is computed using HmacSHA256. But in other cases, HmacSHA1 is used.

Sign the **original signature string** obtained in the previous step with signature algorithm (HmacSHA256 or HmacSHA1), and then encode the generated signature string with Base64 to obtain the final signature string.

In this example, the PHP language is used and the signature algorithm is **HmacSHA256**. Therefore, the code for generating the signature string is as follows (If another programming language is used, the original signature string in the above example can be used for verification, as long as the signature string generated is the same as the one in the example):

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3Cozk1qA';
$srcStr = 'GETcvm.api.qcloud.com/v2/index.php?Action=DescribeInstances&InstanceId=ins-09dx96dg&Nonce=11886&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA&SignatureMethod=HmacSHA256&Timestamp=1465185768';
$signStr = base64_encode(hash_hmac('sha256', $srcStr, $secretKey, true));
echo $signStr;
```

The resulting signature string is as follows:

```
0EEem/HtGRr/VJXTAD9tYMth1Bzm3lLHz5RCDv1GdM8s=
```

Similarly, if you specify **HmacSHA1** as the signature algorithm, the code for generating the signature string is as follows:

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3Cozk1qA';
$srcStr = 'GETcvm.api.qcloud.com/v2/index.php?Action=DescribeInstances&InstanceId=ins-09dx96dg&Nonce=11886&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA&SignatureMethod=HmacSHA1&Timestamp=1465185768';
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));
echo $signStr;
```

The resulting signature string is as follows:

```
nPVnY6njQmwQ8ciqbPI5Qe+Oru4=
```

Encode the Signature String

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

For example, the signature string generated in the previous step

0EEem/HtGRr/VJXTAD9tYMth1Bzm3lLHz5RCDv1GdM8s= is converted to
0EEem/HtGRr/VJXTAD9tYMth1Bzm3lLHz5RCDv1GdM8s= after being encoded. The resulting request parameter for signature string (Signature) is 0EEem/HtGRr/VJXTAD9tYMth1Bzm3lLHz5RCDv1GdM8s= , which will be used to generate the final request URL.

Note:

If the GET method is used, all request parameters need to be URL encoded. In addition, some language libraries can encode URLs automatically. Repeated encoding will cause the failure of signature verification.

Failure of Authentication

The following errors may occur when the authentication fails:

Error Code	Error Type	Error Description
4100	Authentication failed	Authentication failed. Make sure the Signature in your request parameters is computed correctly as described in the above steps. Be sure to encode the Signature with URL encoding before initiating the request.
4101	No access to this API	The sub-user is not authorized by the developer to call the API. Contact the developer for authorization. For more information, see Authorization Policy .
4102	No access to the resources operated in the API	The user is not authorized by the developer to access some resource in the requested resources. Check the message field for the ID of the resource the user does not have access to. Contact the developer for authorization. For more information, see Authorization Policy .
4103	This API is unavailable for non-developer's SecretId	The sub-user with this SecretId cannot call this API. Only the developer has the access to this API.
4104	SecretId does not exist	The SecretId used for the signature does not exist, or the key status is incorrect. Make sure the API key is valid and enabled.
4110	Authentication failed	Permission verification failed. Make sure you have the access to this resource.
4500	Replay attack error	The parameter Nonce cannot be the same in two requests, and the difference between the Timestamp and Tencent server time should not be greater than 2 hours.

Return Result

Successful Request Response

Last updated : 2018-09-27 15:42:16

If the API call is successful, the error code in the returned result is 0, the error message field is empty, and the returned result data is displayed.

Example:

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

Failed Request Response

Last updated : 2018-09-27 15:43:32

If an API call fails, the error code in the returned result is not 0, and the message field shows the detailed error information. You can query the detailed error information on the [Error Code](#) page by code and message.

Example of returned error:

```
{
  "code": 5100,
  "message": "(100004)projectId is incorrect",
}
```

Return Format of Asyn Task APIs

Last updated : 2018-09-27 15:41:17

Format of Returned Results for Common Asynchronous Task APIs

With such asynchronous task APIs, only one resource can be operated for each request, for example, creating load balancer or resetting OS for server.

Name	Type	Description
code	Int	Error code on the result. 0: Successful; other values: Failed.
message	String	Error message on the result.
requestId	String	Task ID

Format of Returned Results for Batch Asynchronous Task APIs

With such asynchronous task APIs, multiple resources can be operated for each request, for example, changing passwords, starting or shutting down servers.

Name	Type	Description
code	Int	Error code on the result. 0: Successful; other values: Failed.
message	String	Error message on the result.
detail	Array	The code, message, and requestId returned for an operation performed on the resource with the resource ID as key.

For example:

```
{
  "code":0,
  "message": "success",
  "detail":
  {
    "qcv6a456b0d8f01d4b2b1f5073d3fb8ccc0":
```

```
{
  "code":0,
  "message": "",
  "requestId": "1231231231231";
}
"qcvvm6a456b0d8f01d4b2b1f5073d3fb8ccc0":
{
  "code":0,
  "message": "",
  "requestId": "1231231231232";
}
}
```

Note:

If the operations are successful for all resources, the outermost code is 0.

If the operations fail for all resources, the outermost code returns 5100.

If the operations fail for some resources, the outermost code returns 5400.

In the third case, the terminal can obtain the information about the failed operations via the "detail" field.

Error Code

Last updated : 2018-09-27 15:42:54

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, see the "message" field in error description.
4100	Authentication failed	Signature authentication failed. For more information, see the "Authentication" section in the document.
4200	Request expired	The request has expired. For more information, see the "Request Validity" section in the document.
4300	Access denied	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, 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, 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, see the "message" field in error description. Try again later or contact customer service.
5200	Failed to	The resource purchase failed. This may be caused by unsupported

	purchase the resource	instance configuration or insufficient resource.
5300	Failed to purchase the resource	The resource purchase failed because of insufficient balance.
5400	The operation was successful on some resources	The batch operation was successful on some resources. For more information, 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. The 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": "(100004) incorrect projectId"

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.

API Management-Related APIs

Modify API

Last updated : 2018-09-27 15:50:12

API Description

This API (ModifyApi) is used to modify a configured API. The API configuration takes effect after the service of the API is released to its environment.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceld	Yes	String	Unique ID of the service of the API.
apild	Yes	String	Unique ID of the API.
apiName	No	String	The custom name of the API.
apiDesc	No	String	The custom description of the API.
authRequired	No	String	Indicates whether signature verification is required. TRUE: required; FALSE: not required.

Parameter Name	Required	Type	Description
enableCORS	No	String	Indicates whether to enable cross-origin access. TRUE: enable; FALSE: not enable.
apiDesc	No	String	The custom description of the API.
requestConfig.path	No	String	Path to the API from frontend, such as /path.
requestConfig.method	No	String	Request method for calling the API from frontend, such as GET.
requestConfig.protocol	No	String	Request type for calling the API from frontend, such as HTTP or HTTPS, or HTTP and HTTPS.
requestParameters.n.name	No	String	Name of the parameter in the request for calling the API from frontend.
requestParameters.n.position	No	String	Position of the parameter in the request for calling the API from frontend, such as head. "head", "query" and "path" are supported.

Parameter Name	Required	Type	Description
requestParameters.n.type	No	String	Type of the parameter in the request for calling the API from frontend, such as String and int.
requestParameters.n.defaultValue	No	String	Default value of the parameter in the request for calling the API from frontend.
requestParameters.n.required	No	Boolean	Indicates whether the parameter in the request for calling the API from frontend is required. TRUE: required; FALSE: optional.
requestParameters.n.desc	No	String	Description of the parameter in the request for calling the API from frontend.
serviceType	No	Boolean	Type of the backend service corresponding to the API. Supported values: HTTP, MOCK and SCF.
serviceTimeout	No	Int	Request timeout for calling the backend service from the API (in sec).

Parameter Name	Required	Type	Description
serviceConfig.url	No	String	URL of the backend service corresponding to the API. This parameter is required if serviceType is HTTP.
serviceConfig.path	No	String	Path to the backend service from the API, such as /path. This parameter is required if serviceType is HTTP. The path to the API from frontend and the path to the backend service from the API can be different.
serviceConfig.method	No	String	Request method for calling the backend service from the API, such as GET. This parameter is required if serviceType is HTTP. The request method for calling the API from frontend and the request method for calling the backend service from the API can be different.

Parameter Name	Required	Type	Description
serviceParameters.n.name	No	String	Name of the parameter in the request for calling the backend service from the API. This parameter is required only when serviceType is HTTP. The name of the parameter in the request for calling the API from frontend and the name of the parameter in the request for calling the backend service from the API can be different.

Parameter Name	Required	Type	Description
<code>serviceParameters.n.position</code>	No	String	Position of the parameter in the request for calling the backend service from the API, such as head. This parameter is required only when <code>serviceType</code> is HTTP. The position of the parameter in the request for calling the API from frontend and the position of the parameter in the request for calling the backend service from the API can be different.
<code>serviceParameters.n.relevantRequestParameterName</code>	No	String	Name of the parameter in the request for calling the API from frontend corresponding to the parameter in the request for calling the backend service from the API. This parameter is required only when <code>serviceType</code> is HTTP.

Parameter Name	Required	Type	Description
serviceParameters.n.relevantRequestParameterPosition	No	String	Position of the parameter in the request for calling the API from frontend corresponding to the parameter in the request for calling the backend service from the API, such as head. This parameter is required only when serviceType is HTTP.
serviceParameters.n.desc	No	String	Description of the parameter in the request for calling the backend service from the API. This parameter is required only when serviceType is HTTP.
constantParameters.n.name	No	String	Name of the constant parameter. This parameter is required only when serviceType is HTTP.
constantParameters.n.desc	No	String	Description of the constant parameter. This parameter is required only when serviceType is HTTP.

Parameter Name	Required	Type	Description
constantParameters.n.position	No	String	Position of the constant parameter. This parameter is required only when serviceType is HTTP.
constantParameters.n.defaultValue	No	String	Default value of the constant parameter. This parameter is required only when serviceType is HTTP.
serviceMockReturnMessage	No	String	Returned message when the type of the backend service corresponding to the API is Mock. This parameter is required if serviceType is Mock.
serviceScfFunctionName	No	String	Name of the SCF function of the backend service corresponding to the API. This parameter is required if serviceType is SCF.

Parameter Name	Required	Type	Description
serviceScfFunctionName	No	String	Name of the SCF function of the backend service corresponding to the API. This parameter is required if serviceType is SCF.
responseType	No	String	Returned response type for custom response configuration. HTML, JSON, TEST, BINARY and XML are supported.
responseSuccessExample	No	String	Response example for a successful custom response configuration.
responseFailExample	No	String	Response example for a failed custom response configuration.
responseErrorCodes.n.code	No	String	Error code for custom response configuration.
responseErrorCodes.n.msg	No	String	Error message for custom response configuration.
responseErrorCodes.n.desc	No	String	Error description for custom response configuration.

Parameter Name	Required	Type	Description
isDeleteResponseErrorCodes	No	String	Indicates whether to delete error codes for custom response configuration. If this parameter is FALSE or left empty, the error codes will not be deleted; if this parameter is TRUE, all custom response configuration error codes for this API will be deleted.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

Modify an API of which the backend service type is HTTP:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=ModifyApi
```

```
&serviceId=service-XX
&apiId=api-XX
&apiDesc=myTestApi
&requestConfig.path=/path
&requestConfig.method=GET
&requestConfig.protocol=Http
&requestParameters.0.name=age
&requestParameters.0.location=head
&requestParameters.0.type=Int
&requestParameters.0.defaultValue=18
&requestParameters.0.required=REQUIRED
&requestParameters.0.description=Age
&serviceType=Http
&serviceTimeout=60
&serviceConfig.url=cloud.tencent.com
&serviceConfig.path=/path
&serviceConfig.method=GET
&serviceParameters.0.name=age
&serviceParameters.0.location=head
&serviceParameters.0.relevantRequestParameterName=age
&serviceParameters.0.relevantRequestParameterIn=head
&serviceParameters.0.defaultValue=18
&serviceParameters.0.description=Age
```

The returned results are as below:

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

Modify an API of which the backend service type is Mock:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=ModifyApi
&serviceId=service-XX
&apiId=api-XX
&apiDescription=myTestApi
&requestConfig.path=/path
&requestConfig.method=GET
&requestConfig.protocol=Http
&requestParameters.0.name=age
```

```
&requestParameters.0.location=head
&requestParameters.0.type=Int
&requestParameters.0.defaultValue=18
&requestParameters.0.required=REQUIRED
&requestParameters.0.description=Age
&serviceType=MOCK
&serviceTimeout=60
&serviceMockReturnMessage=Returned message from MOCK
```

The returned results are as below:

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

Modify an API of which the backend service type is SCF:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=ModifyApi
&serviceId=service-XX
&apId=api-XX
&apiDescription=myTestApi
&requestConfig.path=/path
&requestConfig.method=GET
&requestConfig.protocol=Http
&requestParameters.0.name=age
&requestParameters.0.location=head
&requestParameters.0.type=Int
&requestParameters.0.defaultValue=18
&requestParameters.0.required=REQUIRED
&requestParameters.0.description=Age
&serviceType=SCF
&serviceTimeout=60
&serviceScfFunctionName=myScfFunction
```

The returned results are as below:

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

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

Delete API

Last updated : 2018-09-27 15:51:44

API Description

This API (DeleteApi) is used to delete an API.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	Unique ID of the service of the API.
apiId	Yes	String	Unique ID of the API.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
```

```
&Action=DeleteApi  
&serviceId=service-XX  
&apiId=api-xx
```

The returned results are as below:

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

Query API Info

Last updated : 2018-09-27 15:53:44

API Description

This API (DescribeApi) is used to query the details of the APIs deployed at an API gateway.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	Unique ID of the service of the API.
apiId	Yes	String	Unique ID of the API.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
serviceId	String	Unique ID of the service of the API.
serviceName	String	Name of the service of the API.
serviceDesc	String	Description of the service of the API.
apiId	String	Unique ID of the API.

Parameter Name	Type	Description
apiDesc	String	API description.
apiName	String	API name.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
requestConfig	Array	Fields configured in the request for calling the API from frontend.
requestParameters	List of Arrays	An array of parameters in the request for calling the API from frontend.
serviceType	Boolean	Backend service type of the API. Supported values: HTTP, MOCK and SCF
serviceTimeout	Int	Request timeout for calling the backend service from the API (in sec).
serviceConfig	Array	Fields configured in the request for calling the backend service from the API. This parameter is returned only if serviceType is HTTP.
serviceParameters	List of Arrays	An array of parameters in the request for calling the backend service from the API. This parameter is returned only if serviceType is HTTP.
constantParameters	List of Arrays	An array of constant parameters in the request for calling the backend service from the API. This parameter is returned only if serviceType is HTTP.
serviceMockReturnMessage	String	Returned message when the type of the backend service corresponding to the API is Mock. This parameter is returned only if serviceType is Mock.
serviceScfFunctionName	String	Name of the SCF function of the backend service corresponding to the API. This parameter is returned only if serviceType is SCF.

Parameter Name	Type	Description
authRequired	String	Indicates whether signature verification is required. TRUE: required; FALSE: not required.
enableCORS	String	Indicates whether to enable cross-origin access. TRUE: required; FALSE: not required.
responseType	String	Returned response type for custom response configuration. HTML, JSON, TEST, BINARY, and XML are supported.
responseSuccessExample	String	Response example for a successful custom response configuration.
responseFailExample	String	Response example for a failed custom response configuration.
responseErrorCodes	List of Arrays	Error codes for custom response configuration.

"requestConfig" in the request from frontend is composed as follows:

Parameter Name	Type	Description
path	String	Path to the API from frontend, such as /path.
method	String	Request method for calling the API from frontend, such as GET.

"requestParameters" in the request from frontend is an array of "requestParameter" which is composed as follows:

Parameter Name	Type	Description
name	String	Name of the parameter in the request for calling the API from frontend.
in	String	Position of the parameter in the request for calling the API from frontend, such as head.
type	String	Type of the parameter in the request for calling the API from frontend, such as String.
defaultValue	String	Default value of the parameter in the request for calling the API from frontend.

Parameter Name	Type	Description
required	Boolean	Indicates whether the parameter in the request for calling the API from frontend is required. REQUIRED: required; OPTIONAL: optional.
desc	String	Description of the parameter in the request for calling the API from frontend.

If the backend service type of an API is HTTP, "serviceConfig" is composed as follows:

Parameter Name	Type	Description
url	String	URL of the backend service corresponding to the API.
path	String	Path to the backend service from the API, such as /path.
method	String	Request method for calling the backend service from the API, such as GET.

"serviceParameters" in the request for calling the backend service is an array of "serviceParameter" which is composed as follows:

Parameter Name	Type	Description
name	String	Name of the parameter in the request for calling the backend service from the API.
position	String	Position of the parameter in the request for calling the backend service from the API, such as head.
relevantRequestParameterName	String	Name of the parameter in the request for calling the API from frontend corresponding to the parameter in the request for calling the backend service from the API.
relevantRequestParameterIn	String	Position of the parameter in the request for calling the API from frontend corresponding to the parameter in the request for calling the backend service from the API, such as head.
desc	String	Description of the parameter in the request for calling the backend service from the API.

"constantParameters" is an array of "constantParameter", which is composed as follows:

Parameter Name	Type	Description
name	String	Constant parameter name.
desc	String	Constant parameter description.
position	String	Constant parameter position.
defaultValue	String	Default value of the constant parameter.

Example

Query the details of an API of which the backend service type is HTTP:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeApi  
&serviceId=service-XX  
&apild=api-XX
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "serviceId": "service-XX",  
  "serviceName": "test",  
  "serviceDesc": "testDesc",  
  "apild": "api-XX",  
  "apiName": "apiXXXX",  
  "apiType": "NORMAL",  
  "apiDesc": "myHTTPTestApi",  
  "createTime": "2017-08-07T00:00:00Z",  
  "modifiedTime": "2017-08-07T00:00:00Z",  
  "requestConfig": {  
    "path": "/path",  
    "method": "GET",  
  },  
  "requestParameters": [
```

```
{
  "name": "age",
  "in": "HEADER",
  "type": "Int",
  "defaultValue": 18,
  "required": true,
  "desc": "Age"
},
{
  "name": "age",
  "in": "HEADER",
  "relevantRequestParameterName": "age",
  "relevantRequestParameterIn": "HEADER",
  "defaultValue": 18,
  "desc": "Age"
}
],
{
  "url": "cloud.tencent.com",
  "path": "/path",
  "method": "GET"
},
{
  "name": "age",
  "in": "HEADER",
  "relevantRequestParameterName": "age",
  "relevantRequestParameterIn": "HEADER",
  "defaultValue": 18,
  "desc": "Age"
}
],
}
```

Query the details of an API of which the backend service type is MOCK:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeApi
&serviceId=service-XX
&apId=api-XXX
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "serviceId": "service-XX",
}
```

```
"serviceName":"test",
"serviceDesc":"testDescription",
"apiId":"api-XXX",
"apiName":"apiXXXX",
"apiType":"NORMAL",
"apiDesc":"myMockTestApi"
"createTime":"2017-08-07T00:00:00Z",
"modifiedTime":"2017-08-07T00:00:00Z",
"requestConfig":{
  "path":"/path",
  "method":"GET",
},
"requestParameters":[
{
  "name":"age",
  "in":"HEADER",
  "type":"Int",
  "defaultValue":18,
  "required":"REQUIRED",
  "desc":"Age"
}
],
"serviceType":MOCK,
"serviceTimeout":60,
"serviceMockReturnMessage":"Returned message from MOCK",
}
```

Query the details of an API of which the backend service type is SCF:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeApi
&serviceId=service-XX
&apiId=api-XXXX
```

The returned results are as below:

```
{
  "code":"0",
  "message":"",
  "codeDesc":"Success",
  "serviceId":"service-XX",
  "serviceName":"test",
```

```
"serviceDesc":"testDescription",
"apiId":"api-XXXX",
"apiName":"apiXXXX",
"apiType":"NORMAL",
"apiDesc":"mySCFTestApi",
"createTime":"2017-08-07T00:00:00Z",
"modifiedTime":"2017-08-07T00:00:00Z",
"requestConfig":{
  "path":"/path",
  "method":"GET",
},
"requestParameters":[
{
  "name":"age",
  "in":"HEADER",
  "type":"Int",
  "defaultValue":18,
  "required":"REQUIRED",
  "desc":"Age"
}
],
"serviceType":SCF,
"serviceTimeout":60,
"serviceScfFunctionName":"myScfFunction",
}
```

Query API List

Last updated : 2018-09-27 15:54:21

API Description

This API (DescribeApisStatus) is used to view a certain API or the list of all APIs under a service and relevant information.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	Unique ID of the service of the API.
apiIds.n	No	String	Unique ID array of the API.
offset	No	Int	Offset. Default is 0.
limit	No	Int	Number of returned results. Default is 20. Maximum is 100.
orderBy	No	String	Sorting field.
order	No	String	Sorting mode.
searchName	No	String	Conducts fuzzy search based on API path name.
searchId	No	String	Conducts exact search based on the unique ID of the API.

Output Parameters

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

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
serviceId	String	Unique ID of the service of the API.
totalCount	Int	Number of APIs that meet the condition.
apildStatusSet	List of Array	API list.

"apildStatusSet" is an array of "apildStatus", which is composed as follows:

Parameter Name	Type	Description
apild	String	Unique ID of the API.
apiDesc	String	The custom description of the API.
apiName	String	API name.
apiType	String	API type. Only "NORMAL" is supported and other types will be available soon.
path	String	API request path.
method	Int	API request method.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
authRequired	String	Indicates whether signature verification is required. TRUE: required; FALSE: not required.

Example

Query the details of an API of which the backend service type is HTTP:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeApisStatus
&serviceId=service-XX
&apilds.0=api-XX
&apilds.1=api-XXX
&offset=0
&limit=2
&orderby=createTime
&order=desc
&searchKey=aa
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "serviceId": "service-XX",
  "totalCount": 2,
  "apildStatusSet": [
    {
      "apild": "api-XX",
      "apiName": "apiXXXX",
      "apiType": "NORMAL",
      "apiDesc": "apiDescription1",
      "path": "path1",
      "method": "http",
      "serviceId": "serviceId-XXX",
      "createTime": "2017-08-07T00:00:00Z",
      "modifiedTime": "2017-08-07T00:00:00Z",
      "authRequired": "TRUE"
    },
    {
      "apild": "api-XXX",
      "apiName": "apiXXXX",
      "apiType": "NORMAL",
      "apiDesc": "apiDescription2",
```

```
"path": "path2",
"method": "https",
"serviceId": "serviceId-XXXX",
"createTime": "2017-08-07T00:10:00Z",
"modifiedTime": "2017-08-07T00:10:00Z",
"authRequired": "TRUE"
}
]
```

Debug API

Last updated : 2018-09-27 16:26:17

API Description

This API (RunApi) is used to debug an API. You can call this API to debug an API after configuring it, without having to wait until the API is formally published.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceld	Yes	String	Unique ID of the service of the API.
apild	Yes	String	Unique ID of the API.
requestHeader	No	String	Request header for calling the API from frontend, which is encoded by json_dump.
requestQuery	No	String	Request query for calling the API from frontend, which is encoded by json_dump.
requestPath	No	String	Path to the API from frontend, which is encoded by json_dump.
requestMethod	No	String	Request method for calling the API from frontend. Only HEAD, GET, POST, PUT, PATCH and DELETE are supported.
requestBody	No	String	Request header for calling the API from frontend.
requestBodyDict	No	Dict	Request header for calling the API from frontend. This parameter is passed in array format if Body parameter is configured for this API.

Parameter Name	Required	Type	Description
contentType	No	String	Content type of the debugging request. Only application/json and application/x-www-form-urlencoded are supported. If this parameter is left empty, default is application/x-www-form-urlencoded.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
returnHeader	String	Response header returned for the API.
returnBody	String	Response body returned for the API.
returnCode	Int	Response code returned for the API.
delay	Int	Response delay for the API (in ms).

Example

Modify an API of which the backend service type is HTTP:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=RunApi  
&serviceId=service-XX  
&apild=api-XX  
&requestHeader={"headerKey1":"headerValue1","headerKey2":"headerValue2"}  
&requestQuery={"queryKey1":"queryValue1","queryKey2":"queryValue2"}
```

```
&requestPath={"pathKey1":"pathValue1","pathKey2":"pathValue2"}
&requestMethod=GET
&requestBody=abalabala
&contentType=application/json
```

The returned results are as below:

```
{
  "code":"0",
  "message":"",
  "codeDesc":"Success",
  "returnHeader":"abcd",
  "returnBody":"efgh",
  "returnCode":200,
  "delay":300,
}
```

Create API

Last updated : 2018-09-27 15:50:59

API Description

This API (CreateApi) is used to create an API. You need to create a service before creating an API. Each API corresponds to a service.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	Unique ID of the service of the API.
apiName	No	String	The custom name of the API.
apiDesc	No	String	The custom description of the API.
apiType	No	String	API type. Only "NORMAL" is supported and other types will be available soon.

Parameter Name	Required	Type	Description
authRequired	No	String	Indicates whether signature verification is required. TRUE: required; FALSE: not required. Default is TRUE. You must pass in TRUE for APIs published in cloud marketplace.
enableCORS	No	String	Indicates whether to enable cross-origin access. TRUE: enable; FALSE: not enable. Default is FALSE.
requestConfig.path	Yes	String	Path to the API from frontend, such as /path.
requestConfig.method	Yes	String	Request method for calling the API from frontend, such as GET.
requestParameters.n.name	No	String	Name of the parameter in the request for calling the API from frontend.

Parameter Name	Required	Type	Description
requestParameters.n.position	No	String	Position of the parameter in the request for calling the API from frontend. Only PATH, QUERY and HEADER are supported.
requestParameters.n.type	No	String	Type of the parameter in the request for calling the API from frontend, such as String and int.
requestParameters.n.defaultValue	No	String	Default value of the parameter in the request for calling the API from frontend.
requestParameters.n.required	No	Boolean	Indicates whether the parameter in the request for calling the API from frontend is required. TRUE: required; FALSE: optional.
requestParameters.n.desc	No	String	Description of the parameter in the request for calling the API from frontend.

Parameter Name	Required	Type	Description
serviceType	Yes	Boolean	Type of the backend service corresponding to the API. Supported values: HTTP, MOCK and SCF.
serviceTimeout	Yes	Int	Request timeout for calling the backend service from the API (in sec).
serviceConfig.url	No	String	URL of the backend service corresponding to the API. This parameter is required if serviceType is HTTP.
serviceConfig.path	No	String	Path to the backend service from the API, such as /path. This parameter is required if serviceType is HTTP. The path to the API from frontend and the path to the backend service from the API can be different. The API gateway will map the paths.

Parameter Name	Required	Type	Description
serviceConfig.method	No	String	Request method for calling the backend service from the API, such as GET. This parameter is required if serviceType is HTTP. The request method for calling the API from frontend and the request method for calling the backend service from the API can be different. The API gateway will map the methods.

Parameter Name	Required	Type	Description
serviceParameters.n.name	No	String	Name of the parameter in the request for calling the backend service from the API. This parameter is required only when serviceType is HTTP. The name of the parameter in the request for calling the backend service from the API and the name of the parameter in the request for calling the API from frontend can be different. The API gateway will map the parameter names. The values of the parameters must be the same.

Parameter Name	Required	Type	Description
<code>serviceParameters.n.position</code>	No	String	Position of the parameter in the request for calling the backend service from the API, such as head. This parameter is required only when <code>serviceType</code> is HTTP. The position of the parameter in the request for calling the backend service from the API and the position of the parameter in the request for calling the API from frontend can be different. The API gateway will map the parameter positions.
<code>serviceParameters.n.relevantRequestParameterName</code>	No	String	Name of the parameter in the request for calling the API from frontend corresponding to the parameter in the request for calling the backend service from the API. This parameter is required only when <code>serviceType</code> is HTTP.

Parameter Name	Required	Type	Description
serviceParameters.n.relevantRequestParameterPosition	No	String	Position of the parameter in the request for calling the API from frontend corresponding to the parameter in the request for calling the backend service from the API. This parameter is required only when serviceType is HTTP.
serviceParameters.n.desc	No	String	Description of the parameter in the request for calling the backend service from the API. This parameter is required only when serviceType is HTTP.
constantParameters.n.name	No	String	Name of the constant parameter. This parameter is required only when serviceType is HTTP. Constant parameters are configured by API publishers at the backend and are invisible to frontend callers.

Parameter Name	Required	Type	Description
constantParameters.n.desc	No	String	Description of the constant parameter. This parameter is required only when serviceType is HTTP.
constantParameters.n.position	No	String	Position of the constant parameter. Only header and query are supported. This parameter is only required when serviceType is HTTP.
constantParameters.n.defaultValue	No	String	Default value of the constant parameter. This parameter is required only when serviceType is HTTP.
serviceMockReturnMessage	No	String	Returned message when the type of the backend service corresponding to the API is Mock. This parameter is required if serviceType is Mock.

Parameter Name	Required	Type	Description
serviceScfFunctionName	No	String	Name of the SCF function of the backend service corresponding to the API. This parameter is required if serviceType is SCF.
responseType	No	String	Returned response type for custom response configuration. HTML, JSON, TEST, BINARY, and XML are supported. (This configuration is only used to generate an API documentation for callers' reference)
responseSuccessExample	No	String	Response example for a successful custom response configuration. (This configuration is only used to generate an API documentation for callers' reference)

Parameter Name	Required	Type	Description
responseFailExample	No	String	Response example for a failed custom response configuration. (This configuration is only used to generate an API documentation for callers' reference)
responseErrorCodes.n.code	No	Int	Error code for custom response configuration. (This configuration is only used to generate an API documentation for callers' reference)
responseErrorCodes.n.msg	No	String	Error message for custom response configuration. (This configuration is only used to generate an API documentation for callers' reference)

Parameter Name	Required	Type	Description
responseErrorCodes.n.desc	No	String	Error description for custom response configuration. (This configuration is only used to generate an API documentation for callers' reference)

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
apild	String	Unique ID of the API.
path	String	Path.
method	String	Request method.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

Create an API of which the backend service is HTTP:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=CreateApi
&serviceId=service-XX
&apiDesc=myTestApi
&requestConfig.path=/path
&requestConfig.method=GET
&requestParameters.0.name=age
&requestParameters.0.position=HEADER
&requestParameters.0.type=Int
&requestParameters.0.defaultValue=18
&requestParameters.0.required=REQUIRED
&requestParameters.0.description=Age
&serviceType=Http
&serviceTimeout=60
&serviceConfig.url=cloud.tencent.com
&serviceConfig.path=/path
&serviceConfig.method=GET
&serviceParameters.0.name=age
&serviceParameters.0.in=HEADER
&serviceParameters.0.relevantRequestParameterName=age
&serviceParameters.0.relevantRequestParameterIn=HEADER
&serviceParameters.0.defaultValue=18
&serviceParameters.0.desc=Age
&constantParameters.0.name=aa
&constantParameters.0.desc=aa
&constantParameters.0.position=HEADER
&constantParameters.0.defaultValue=aa
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "apiId": "api-XX",
  "path": "/path",
  "method": "GET",
  "createTime": "2017-08-07T00:00:00Z",
}
```

Create an API of which the backend service is MOCK:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=CreateApi
&serviceId=service-XX
&apiDescription=myTestApi
&requestConfig.path=/path
&requestConfig.method=GET
&requestConfig.protocol=Http
&requestParameters.0.name=age
&requestParameters.0.in=HEADER
&requestParameters.0.type=Int
&requestParameters.0.defaultValue=18
&requestParameters.0.required=REQUIRED
&requestParameters.0.desc=Age
&serviceType=MOCK
&serviceTimeout=60
&serviceMockReturnMessage=Returned message from MOCK
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "apiId": "api-XXX",
  "path": "/path",
  "method": "GET",
  "createTime": "2017-08-07T00:00:00Z",
}
```

Create an API of which the backend service is SCF:

The request example is as below:

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=CreateApi
&serviceId=service-XX
&apiDescription=myTestApi
&requestConfig.path=/path
&requestConfig.method=GET
&requestConfig.protocol=Http
&requestParameters.0.name=age
&requestParameters.0.in=HEADER
&requestParameters.0.type=Int
```

```
&requestParameters.0.defaultValue=18
&requestParameters.0.required=REQUIRED
&requestParameters.0.description=Age
&serviceType=SCF
&serviceTimeout=60
&serviceScfFunctionName=myScfFunction
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "apild": "api-XXXX",
  "path": "/path",
  "method": "GET",
  "createTime": "2017-08-07T00:00:00Z",
}
```

Query API Usage Plan Details

Last updated : 2018-09-27 15:52:42

API Description

This API (DescribeApiUsagePlan) is used to query the usage plan information of the APIs in a service. If authentication is required for the service to take effect, you need to bind usage plans to this service. This API is used to query all usage plans bound to a service and the APIs in the service.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be queried.
offset	No	Int	Offset. Default is 0.
limit	No	Int	Number of returned results. Default is 20. Maximum is 100.
searchEnvironment	No	String	Conducts exact search based on the environment name of a usage plan.
apids.n	No	List of String	Array of API unique IDs. The usage plan information of all APIs under current service is returned if this parameter is left empty.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.

Parameter Name	Type	Description
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
totalCount	Int	Number of usage plans bound to the service.
usagePlanList	List of Arrays	List of usage plans bound to the service.

"usagePlanList" is an array of "usagePlanAttribute" which is composed as follows:

Parameter Name	Type	Description
usagePlanId	String	The unique ID of the usage plan.
usagePlanName	String	The name of the usage plan.
usagePlanDesc	String	The description of the usage plan.
environment	String	The service environment to which the usage plan is bound.
createdTime	Timestamp	Creation time of the usage plan.
modifiedTime	Timestamp	Last modification time of the usage plan.
inUseRequestNum	Int	Number of used requests.
maxRequestNum	Int	Total request quota. -1: Disable.
maxRequestNumPreSec	Int	QPS limit. -1: Disable.
apId	String	Unique ID of the API.
path	String	Request path.
method	String	Request method.
apiName	String	API name.
serviceId	String	The unique ID of the service.
serviceName	String	Service name.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeApiUsagePlan  
&serviceId=service-XX
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "totalCount": 2,  
  "usagePlanList": [  
    {  
      "maxRequestNumPreSec": 2000,  
      "usagePlanId": "usagePlan-0var1p8v",  
      "modifiedTime": "2018-07-31 20:26:28",  
      "usagePlanDesc": "test",  
      "apiId": "api-2yuua008",  
      "environment": "release",  
      "serviceId": "service-XX",  
      "apiName": "sjiofjsdioj",  
      "createTime": "2018-07-20 14:09:47",  
      "path": "/fsodjfsd",  
      "usagePlanName": "test",  
      "method": "GET",  
      "serviceName": "test"  
    }  
  ]  
}
```

Service-Related APIs

Deactivate Service

Last updated : 2018-09-27 15:56:26

API Description

This API (UnReleaseService) is used to deactivate services.

After a user publishes a service to an environment, the API in the service can be called. If a user wants to deactivate the service from the publishing environment, this API (UnReleaseService) can be called.

Deactivated service cannot be called.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be deactivated.
environmentName	Yes	Boolean	The name of the environment to be deactivated. Three environments are supported: test, prepub and release
unReleaseDesc	No	String	Deactivation description.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.

Parameter Name	Type	Description
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=UnReleaseService
&serviceId=service=XX
&environmentName=Online
&unReleaseDesc=Deactivation description
```

The returned results are as below:

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

Modify Service

Last updated : 2018-09-27 15:57:56

API Description

This API (ModifyService) is used to modify the information about the service. After a service is created, its name, description and service type can be modified.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be modified.
serviceName	No	String	Modified service name.
serviceDesc	No	String	Modified service description.
protocol	No	String	Modified frontend request type of the service, such as HTTP and HTTPS.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Parameter Name	Type	Description
serviceId	String	The unique ID of the service.
serviceName	String	Service name.
serviceDesc	String	Service description.
protocol	String	Frontend request type of the service, such as HTTP and HTTPS.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=ModifyService  
$serviceId=service-XXXX  
&serviceName=newTest  
&serviceDesc=newTestDescription  
&protocol=https
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "serviceId": "service-XXXX",  
  "serviceName": "newTest",  
  "serviceDesc": "newTestDescription",  
  "protocol": "https",  
  "modifiedTime": "2017-08-07T00:00:00Z",  
}
```

Switch Service Version

Last updated : 2018-09-27 15:58:31

API Description

This API (UpdateService) is used to update from the running version to a specific version in the publishing environment. After a user creates a service and publishes it to an environment via an API gateway, several versions of the service will be generated during development. Then you can call this API to update between versions.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be updated.
environmentName	Yes	Boolean	The name of the environment to be rolled back. Three environments are supported: Test, Pre and release
versionName	Yes	String	Updated version number.
updateDesc	No	String	Update description.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.

Parameter Name	Type	Description
message	String	Module error message description depending on API.
updateDesc	String	Update description.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=UpdateService  
&serviceId=service-XX  
&environmentName=release  
&versionName=xxxxx  
&updateDesc=updateDesc
```

The returned results are as below:

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

Create Service

Last updated : 2018-09-27 15:58:58

API Description

This API (CreateService) is used to create a service.

The largest unit used by an API gateway is a service, in which many APIs can be created. Each service has a default domain name for users to call. Users can also bind a custom domain name to the service.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceName	No	String	User-defined service name. The system automatically generates a unique name if nothing is passed.
serviceDesc	No	String	User-defined service description.
protocol	Yes	String	Frontend request type of the service, such as HTTP, HTTPS, HTTP and HTTPS.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Parameter Name	Type	Description
serviceName	String	Service name.
serviceDesc	String	Service description.
subDomain	String	The domain name of the service generated automatically by the system.
serviceId	String	The globally unique ID of the service generated by the system.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=CreateService
&serviceName=test
&serviceDescription=testDescription
&protocol=http
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "serviceId": "service-XXXX",
  "serviceName": "test",
  "serviceDesc": "desc",
  "subDomain": "523e8dc7bbe04613b5b1d726c2a7889d-apigateway.ap-guangzhou.qcloud.com",
  "createdTime": "2017-08-07T00:00:00Z",
}
```

Delete Service

Last updated : 2018-09-27 15:59:22

API Description

This API (DeleteService) is used to delete a service in an API gateway.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be deleted.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DeleteService  
&serviceId=service-XXXX
```

The returned results are as below:

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

Delete Path Mapping of Custom Domain Name

Last updated : 2018-09-27 15:59:54

API Description

This API (DeleteServiceSubDomainMapping) is used to delete a custom domain name mapping of an environment in the service.

If a user uses a custom domain name and a custom mapping, this API can be used. Please note that if the mappings of all environments are deleted, calling this API will return a failure.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service.
subDomain	Yes	String	The custom domain name bound to the service.
environment	Yes	String	The name of the environment where the mapping is to be deleted.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DeleteServiceSubDomainMapping  
&serviceId=service-XXXX  
&subDomain=www.qq.com  
&environment=test
```

The returned results are as below:

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

Publish Service

Last updated : 2018-09-27 16:00:29

API Description

This API (ReleaseService) is used to publish services.

This API cannot be called until it is published to an environment after it is created by an API gateway. This API is used to publish a service to an environment, such as release environment.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be published.
environmentName	Yes	Boolean	The name of the environment to be published. Three environments are supported: test, prepub and release.
releaseDesc	Yes	String	Publishing description.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Parameter Name	Type	Description
releaseTime	Timestamp	Publishing time of the service. You can roll back at this time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
releaseDesc	String	The remarks filled in when publishing.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=ReleaseService
&serviceId=service=XX
&environmentName=Online
&releaseDesc=Publishing description
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "releaseTime": "2017-08-07T00:00:00Z"
  "releaseDesc": "1234",
}
```

Modify Custom Domain Name Bound with Service

Last updated : 2018-09-27 16:01:02

API Description

This API (ModifySubDomain) is used to modify the path mapping in the custom domain name settings of the service. The path mapping rule can be modified before it is bound to the custom domain name.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service.
subDomain	Yes	String	The custom domain name of the path mapping to be modified.
isDefaultMapping	Yes	String	Whether to modify to use the default path mapping. TRUE: Using the default path mapping; FALSE: Using the custom path mapping.
pathMappingSet.n.path	No	Object	The path of the modified custom path mapping.
pathMappingSet.n.environment	No	Object	The environment name of the modified custom path mapping.

Output Parameters

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

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=ModifySubDomain
&serviceId=service-XXXX
&subDomain=testSubDomain
&isDefaultMapping=FALSE
&pathMapping.0.path=/test
&pathMapping.0.environment=release
```

The returned results are as below:

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

Bind Custom Domain Name to Service

Last updated : 2018-09-27 16:01:45

API Description

This API (BindSubDomain) is used to bind a custom domain name to a service.

Each service in the API gateway provides a default domain name for users to call. If you wants to use an existing domain name, the custom domain name can be bound to the service. After cname of the default domain name is done, the custom domain name can be called directly.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service.
subDomain	Yes	String	The custom domain name to be bound.
certificateId	No	String	The unique ID of the certificate of the custom domain name to be bound.
isDefaultMapping	No	String	Whether to use the default path mapping. The default is TRUE. FALSE indicates that a custom path mapping is used, and pathMappingSet is required.
pathMappingSet.n.path	No	Object	The path of the custom path mapping. When using the custom mapping, you can map only one path to one environment, or map several paths to several environments. Once the custom mapping is used, only the custom mapping path is effective instead of the default mapping rule.
pathMappingSet.n.environment	No	Object	The environment name of the custom path mapping.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=BindSubDomain  
&serviceId=service-XXXX  
&subDomain=testSubDomain  
&certificate=testcertificate  
&pathMapping.0.path=/test  
&pathMapping.0.environment=release
```

The returned results are as below:

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

Unbind Custom Domain Name from Service

Last updated : 2018-09-27 16:02:51

API Description

This API (UnBindSubDomain) is used to unbind a custom domain name.

After you have bound a custom domain name to a service using the API gateway, this API can be used if you want to unbind the custom domain name.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceld	Yes	String	The unique ID of the service.
subDomain	Yes	String	The custom domain name to be unbound.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=UnBindSubDomain  
&serviceId=service-XXXX  
&subDomain=testSubDomain
```

The returned results are as below:

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

Query Service Usage Plan Details

Last updated : 2018-09-27 16:03:41

API Description

This API (DescribeServiceUsagePlan) is used to query the usage plan details of a service.
If the authentication is required for the service to take effect, you need to bind usage plans to this service.
This API is used to query all usage plans bound to a service.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be queried.
offset	No	Int	Offset. Default is 0.
limit	No	Int	Number of returned results. Default is 20. Maximum is 100.
searchEnvironment	No	String	Conducts exact search based on the environment name of a usage plan.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.

Parameter Name	Type	Description
message	String	Module error message description depending on API.
totalCount	Int	Number of usage plans bound to the service.
usagePlanList	List of Arrays	List of usage plans bound to the service.

"usagePlanList" is an array of "usagePlanAttribute" which is composed as follows:

Parameter Name	Type	Description
usagePlanId	String	The unique ID of the usage plan
usagePlanName	String	The name of the usage plan
usagePlanDesc	String	The description of the usage plan
environment	String	The service environment which the usage plan is bound to
createdTime	Timestamp	Creation time of the usage plan
modifiedTime	Timestamp	Last modification time of the usage plan
inUseRequestNum	Int	Number of used requests.
maxRequestNum	Int	Total request quota. -1: Disable.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeServiceUsagePlan  
&serviceId=service-XX
```

The returned results are as below:

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

```
"totalCount":2,
"usagePlanList":[
{
"usagePlanId":"usagePlan-XX",
"usagePlanName":"usagePlanName1",
"usagePlanDesc":"usagePlanDesc1",
"environment":"Pre",
"maxRequestNumPreSec":100,
"createTime":"2017-08-07T00:00:00Z",
"modifiedTime":"2017-08-07T00:00:00Z",
"inUseRequestNum": 0,
"maxRequestNum": -1
},
{
"usagePlanId":"usagePlan-XXX",
"usagePlanName":"usagePlanName2",
"usagePlanDesc":"usagePlanDesc2",
"environment":"Test",
"maxRequestNumPreSec":100,
"createTime":"2017-08-07T00:00:00Z",
"modifiedTime":"2017-08-07T00:00:00Z",
"inUseRequestNum": 10,
"maxRequestNum": 100
},
]
}
```

Query Service List

Last updated : 2018-09-27 16:04:26

API Description

This API (DescribeServicesStatus) is used to query the list of a service/services and return the domain name, time and other information related to the service(s).

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceIds.n	No	Array of Strings	Queries by the unique ID of a service/services.
offset	No	Int	Offset. Default is 0. offset can be used to choose to return information from which service when there is a large number of services.
limit	No	Int	Number of returned results. Default is 20. Maximum is 100.
orderby	No	String	Sorting field.
order	No	String	Sorting mode. Default is desc.
searchName	No	String	Conducts fuzzy search based on the service name.
searchId	No	String	Conducts exact search based on the unique ID of the service.

Output Parameters

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

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
totalCount	Int	Number of service statuses matching the filter condition.
serviceStatusSet	List of Array	List of service statuses.

"serviceStatusSet" is an array of "serviceStatus", which is composed as follows:

Parameter Name	Type	Description
serviceId	String	The unique ID of the service.
serviceName	String	User-defined service name.
serviceDescription	String	User-defined service description.
subDomain	String	The domain name that the system assigns to the service automatically.
protocol	String	Frontend request type of the service, such as HTTP and HTTPS.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
availableEnvironments	List Of String	The list of published environments, such as Test, Pre, release.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeServicesStatus
&serviceIds.0=service-XX
&serviceIds.1=service-XXXX
&offset=0
&limit=2
&orderby=createTime
&order=desc
&searchKey=aa
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "totalCount": 2,
  "serviceStatusSet": [
    {
      "serviceId": "service-XX",
      "serviceName": "test1",
      "serviceDescription": "test1",
      "subDomain": "523e8dc7bbe04613b5b1d726c2a7889d-apigateway.ap-guangzhou.qcloud.com",
      "protocol": "http",
      "createTime": "2017-08-07T00:00:00Z",
      "modifiedTime": "2017-08-07T00:00:00Z",
      "availableEnvironments": [
        "Pre",
        "release"
      ],
    },
    {
      "serviceId": "service-XXXX",
      "serviceName": "test2",
      "serviceDescription": "test2",
      "subDomain": "523e8dc7bbe04613b5b1d726c2a7889d-apigateway.ap-guangzhou.qcloud.com",
      "protocol": "https",
      "createTime": "2017-08-07T00:10:00Z",
      "modifiedTime": "2017-08-07T00:10:00Z",
      "availableEnvironments": [
        "Test",
        "Pre"
      ],
    }
  ]
}
```

```
}  
]  
}
```

Query Version of Published Service

Last updated : 2018-09-27 16:05:15

API Description

This API (DescribeServiceReleaseVersion) is used to query the list of all published versions under a service. A service is always published with several versions. This API can be used to query the published versions.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be queried.
limit	No	Int	Number of results to be returned.
offset	No	Int	Offset.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
totalCount	String	The total number of published versions.
versionList	List of Array	The list of versions.

versionList is a list of historical versions, which is an array of versionAttribute. versionAttribute is composed as follows:

Parameter Name	Type	Description
versionName	String	The version number.
versionDesc	String	Description of the version.
environments	List of String	The list of environments that the version is published to.
createTime	Time	Creation time of the version.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeServiceReleaseVersion  
&serviceId=service-XX
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "totalCount": 2,  
  "versionList": [  
    {  
      "versionName": "version-20170904xx",  
      "versionDesc": "desc",  
      "environments": [  
        "test",  
        "prepub"  
      ],  
      "createTime": "2017-09-27 00:00:00"  
    },  
    {  
      "versionName": "version-20170905xx",  
      "versionDesc": "desc",  
      "environments": [  

```

```
"release",  
],  
createTime":"2017-09-27 00:00:00"  
}  
]  
}
```

Query Service Environment List

Last updated : 2018-09-27 16:05:47

API Description

This API (DescribeServiceEnvironmentList) is used to query the list of environments of a service. All the environments and their statuses under the service can be queried.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be queried.
limit	No	Int	Number of results to be returned.
offset	No	Int	Offset.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
totalCount	String	Total number of environments.
environmentList	List of Array	The list of environments.

environmentList is a list of environments, which is an array of environmentAttribute. environmentAttribute is composed as follows:

Parameter Name	Type	Description
environmentName	String	The environment name.
url	String	The access path.
status	Int	Publishing status. 1: Published. 0: Not published
verisonName	String	The running version.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeServiceEnvironmentList  
&serviceId=service-XX
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "totalCount": 2,  
  "environmentList": [  
    {  
      "environmentName": "test",  
      "url": "hahah.ap-guangzhou.1251000011.tencentyunapi.com/test",  
      "status": 0,  
      "verisonName": ""  
    },  
    {  
      "environmentName": "pre",  
      "url": "hahah.ap-guangzhou.1251000011.tencentyunapi.com/pre",  
      "status": 1,  
      "verisonName": "version-20170904xx"  
    }  
  ]  
}
```

Query Publishing history of Service Environment

Last updated : 2018-09-27 16:06:35

API Description

This API (DescribeServiceEnvironmentReleaseHistory) is used to query the publishing history of a service environment.

A service can only be used when it is published to an environment after creation. This API is used to query the publishing history of an environment under a service.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be queried.
environmentName	Yes	String	The environment name.
limit	No	Int	Number of results to be returned.
offset	No	Int	Offset.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.

Parameter Name	Type	Description
message	String	Module error message description depending on API.
totalCount	String	The total number of published versions.
versionList	List of Array	The list of historical versions.

versionList is a list of historical versions, which is an array of versionAttribute. versionAttribute is composed as follows:

Parameter Name	Required	Type	Description
versionName	String	The version number.	
versionDesc	String	Description of the version.	
releaseTime	Time	Publishing time of the version.	

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeServiceEnvironmentReleaseHistory
&serviceId=service-XX
&environmentName=test
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "totalCount": 2,
  "versionList": [
    {
      "versionName": "version-20170904xx",
      "versionDesc": "Desc1",
      "releaseTime": "2017-06-08_21:53",
    },
  ],
}
```

```
{  
  "versionName": "version-20170905xx",  
  "versionDesc": "Desc2",  
  "releaseTime": "2017-06-08_21:54",  
}  
]  
}
```

Query Service Details

Last updated : 2018-09-27 16:07:08

API Description

This API (DescribeService) is used to query the details of a service, including its description, domain name, protocol, creation time, publishing etc.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service to be queried.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
serviceId	String	The unique ID of the service.
serviceName	String	User-defined service name.
serviceDesc	String	Service description.
subDomain	String	The domain name that the system assigns to the service automatically.

Parameter Name	Type	Description
protocol	String	Frontend request type of the service, such as HTTP and HTTPS.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
availableEnvironments	List Of String	The list of published environments, such as Test, Pre, release.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeService  
&serviceId=service-XX
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "serviceId": "service-XX",  
  "serviceName": "test1",  
  "serviceDesc": "test1",  
  "subDomain": "523e8dc7bbe04613b5b1d726c2a7889d-apigateway.ap-guangzhou.qcloud.com",  
  "protocol": "http",  
  "createdTime": "2017-08-07T00:00:00Z",  
  "modifiedTime": "2017-08-07T00:00:00Z",  
  "availableEnvironments": [  
    "Pre",  
    "release"  
  ]  
}
```

Query Custom Domain Name List

Last updated : 2018-09-27 16:07:38

API Description

This API (DescribeServiceSubDomains) is used to query the custom list.

A custom domain name can be bound to a service for calling using the API gateway. This API is used to query the list of custom domain names bound to a service.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
totalCount	Int	The number of custom domain names under a service.
domainSet	List of Array	The list of domain names.

domainSet is a list of domain names. It consists of domainStatus which is composed as follows:

Parameter Name	Type	Description
domainName	String	Domain name.
status	String	Status of domain name resolution. True: Resolution successful; False: Resolution failed.
certificateId	String	Certificate ID.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeSubDomain  
&serviceId=service-XXXX
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "totalCount": 2,  
  "domainSet": [  
    {  
      "domainName": "domain1",  
      "status": "True",  
      "certificateId": "XXXX",  
    },  
    {  
      "domainName": "domain2",  
      "status": "False",  
      "certificateId": "XXXX",  
    }  
  ]  
}
```

Query Path Mapping of Custom Domain Name

Last updated : 2018-09-27 16:08:06

API Description

This API (DescribeServiceSubDomainMappings) is used to query the path mapping of the custom domain name.

API gateway can bind the custom domain name to a service, and can map the path of the custom domain name to three environments of the service. This API is used to query the list of path mapping of the custom domain names under a service.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceId	Yes	String	The unique ID of the service.
subDomain	Yes	String	The custom domain name bound to the service.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
isDefaultMapping	String	Whether to use default path mapping. TRUE: Using the default path mapping; FALSE: Using the custom path mapping, and pathMappingSet is not empty at this time.

Parameter Name	Type	Description
pathMappingSet	List of Array	The list of custom path mapping.

pathMappingSet is a list of custom path mapping, consisting of the following items:

Parameter Name	Type	Description
path	String	The path of the custom path mapping.
environment	String	The environment name of the custom path mapping.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeServiceSubDomainMappings
&serviceId=service-XXXX
&subDomain=www.qq.com
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "totalCount": 2,
  "isDefaultMapping": "FALSE",
  "pathMapping": [
    {
      "path": "/path1",
      "environment": "release",
    },
    {
      "path": "/path2",
      "environment": "test",
    }
  ]
}
```

Key-Related APIs

Create Key

Last updated : 2018-09-27 16:08:39

API Description

This API (CreateApiKey) is used to create a new pair of API keys.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
secretName	No	String	User-defined key name.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
secretName	String	User-defined key name.
secretId	String	ID of API key.
secretKey	String	API key.

Parameter Name	Type	Description
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=CreateApiKey  
&secretName=myTest
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "secretName": "myTest",  
  "secretId": "AKIDXXXWKipDIK",  
  "secretKey": "adasfdasffa",  
  "createdTime": "2017-08-07T00:00:00Z",  
}
```

Delete Key

Last updated : 2018-09-27 16:09:04

API Description

This API (DeleteApiKey) is used to delete a pair of API keys.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
secretId	Yes	String	The key ID to be deleted.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DeleteApiKey  
&secretId=AKIDXXXXWKipDIK
```

The returned results are as below:

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

Enable Key

Last updated : 2018-09-27 16:09:31

API Description

This API (EnableApiKey) is used to enable a pair of disabled API keys.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
secretId	Yes	String	The key ID to be enabled.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=EnableApiKey  
&secretId=AKIDXXXXWKipDIK
```

The returned results are as below:

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

Change Key

Last updated : 2018-09-27 16:09:53

API Description

This API (UpdateApiKey) is used to replace a pair of created API keys.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
secretId	Yes	String	The key ID to be replaced.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
secretId	String	The key ID to be replaced.
secretKey	String	The replaced key.
modifiedTime	Timestamp	Replacement time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=UpdateApiKey  
&secretId=AKIDXXXXWKipDIK
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "secretId": "AKIDXXXXWKipDIK",  
  "secretKey": "adasfdasffa",  
  "modifiedTime": "2017-08-07T00:00:00Z",  
}
```

Query Key List

Last updated : 2018-09-27 16:10:15

API Description

This API (DescribeApiKeysStatus) is used to query the list of keys.

When you have created several key pairs, you can query the information of one or more API keys via this API which will not display the keys.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
secretIds.n	No	Array of Strings	Queries by one or more API key IDs. If you do not enter the key ID, the information of the first 20 keys is returned by default
offset	No	Int	Offset. Default is 0.
limit	No	Int	Number of returned results. Default is 20. Maximum is 100.
orderby	No	String	Sorting field.
order	No	String	Sorting mode.
searchName	No	String	Conducts fuzzy search based on the key name.
searchId	No	String	Conducts exact search based on the unique ID of the key.

Output Parameters

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

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
totalCount	Int	Number of API keys that meet the condition.
apiKeyStatusSet	List of Array	List of API keys.

"apiKeyStatusSet" is an array of "apiKeyStatus", which is composed as follows:

Parameter Name	Type	Description
secretId	String	ID of API key.
secretName	String	User-defined key name.
status	Boolean	Key status. 1: In use; 0: Disabled.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeApiKeysStatus
&secretIds.0=AKIDXXXXWKipDIK
&secretIds.1=AKIDXXXXAVd3EuW
&offset=0
&limit=2
```

```
&orderBy=createTime  
&order=desc  
&searchKey=aa
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "totalCount": 2,  
  "apiKeyStatusSet": [  
    {  
      "secretId": "AKIDXXXWKipDIK",  
      "secretName": "myTest",  
      "status": 1,  
      "createTime": "2017-08-07T00:00:00Z",  
      "modifiedTime": "2017-08-07T00:00:00Z",  
    },  
    {  
      "secretId": "AKIDXXXAVd3EuW",  
      "secretName": "myTest1",  
      "status": 0,  
      "createTime": "2017-08-07T00:10:00Z",  
      "modifiedTime": "2017-08-07T00:10:00Z",  
    }  
  ]  
}
```

Query Key Details

Last updated : 2018-09-27 16:11:14

API Description

This API (DescribeApiKey) is used to query the details of keys.

After you have created a key, you can query the details of an API key using this API which will display the key.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
secretId	Yes	String	ID of API key.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
secretName	String	User-defined key name.
secretId	String	ID of API key.
secretKey	String	API key.
status	Int	Status of an API key. 1: In use; 0: Disabled

Parameter Name	Type	Description
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeApiKey
&secretId=AKIDXXXWKipDIK
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "secretId": "AKIDXXXWKipDIK",
  "secretKey": "asdkXXXKOlhKn",
  "secretName": "mytest",
  "status": 1,
  "createdTime": "2017-08-07T00:00:00Z",
  "modifiedTime": "2017-08-07T00:00:00Z",
}
```

Disable Key

Last updated : 2018-09-27 16:10:41

API Description

This API (DisableApiKey) is used to disable a pair of API keys.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
secretId	Yes	String	The key ID to be disabled.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DisableApiKey  
&secretId=AKIDXXXWKipDIK
```

The returned results are as below:

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

Usage Plan-Related APIs

Unbind Usage Plan from Service Environment

Last updated : 2018-09-27 16:12:34

API Description

This API (UnBindEnvironment) is used to unbind usage plans from a specified environment.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanIds.n	Yes	List Of String	List of the unique IDs of the usage plans to be unbound.
serviceId	Yes	String	The unique ID of the service to be unbound.
environment	Yes	String	The service environment to be unbound.
bindType	No	String	Binding type. Value range: API and SERVICE. Default is SERVICE.
apids.n	No	List of String	An array of unique API Ids. This parameter is required if bindType=API.

Output Parameters

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

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=UnBindEnvironment
&usagePlanId.0=usagePlan-XX
&usagePlanId.1=usagePlan-XXX
&serviceId=sevice-XX
&environment=test
```

The returned results are as below:

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

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=UnBindEnvironment
&usagePlanId.0=usagePlan-XX
&usagePlanId.1=usagePlan-XXX
&serviceId=sevice-XX
&apilds.0=api-2yuua008
&bindType=API
&environment=test
```

The returned results are as below:

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

Bind Key to Usage Plan

Last updated : 2018-09-27 16:13:07

API Description

This API (BindSecretIds) is used to bind keys to a usage plan.

To call the API of a service with a key, you need to bind the key to a usage plan using this API, and bind the usage plan to an environment where the service is released.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanId	Yes	String	The unique ID of the usage plan to be bound.
secretIds	Yes	List of String	An array of key IDs to be bound.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=BindSecretIds  
&usagePlanId=usagePlan-XX  
&secretIds.0=AKIDXXXXXXwEdsADQ  
&secretIds.1=AKIDXXXXXXjkljdDE
```

The returned results are as below:

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

Unbind Key from Usage Plan

Last updated : 2018-09-27 16:13:48

API Description

This API (UnBindSecretIds) is used to unbind keys from a usage plan.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanId	Yes	String	The unique ID of the usage plan to be unbound.
secretIds	Yes	List of String	An array of key IDs to be unbound.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=UnBindSecretIds
```

```
&usagePlanId=usagePlan-XX  
&secretIds.0=AKIDXXXXXXwEdsADQ  
&secretIds.1=AKIDXXXXXXjkljdDE
```

The returned results are as below:

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

Modify Usage Plan

Last updated : 2018-09-27 16:14:20

API Description

This API (ModifyUsagePlan) is used to modify the name, description and QPS of a usage plan.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanId	Yes	String	The unique ID of the usage plan.
usagePlanName	No	String	The modified custom name of the usage plan.
usagePlanName	No	String	The modified custom description of the usage plan.
maxRequestNumPreSec	No	Int	QPS limit.
maxRequestNum	No	Int	Total request quota. -1: Disable.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Parameter Name	Type	Description
usagePlanId	String	The unique ID of the usage plan.
usagePlanName	String	The modified custom name of the usage plan.
usagePlanDesc	String	The modified custom description of the usage plan.
maxRequestNumPreSec	Int	Modified QPS.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=ModifyUsagePlan  
&usagePlanId=usagePlan-XX  
&usagePlanName=newusagePlanName  
&usagePlanDesc=newUsagePlanDescription  
&maxRequestNumPreSec=1000
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "usagePlanId": "usagePlan-XX",  
  "usagePlanName": "newusagePlanName",  
  "usagePlanDesc": "newUsagePlanDescription",  
  "maxRequestNumPreSec": 1000,  
  "modifiedTime": "2017-08-07T00:00:00Z",  
}
```

Create Usage Plan

Last updated : 2018-09-27 16:14:59

API Description

This API (CreateUsagePlan) is used to create a usage plan.

To use API Gateway, you need to create a usage plan and bind it to a service environment.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanName	No	String	The custom name of the usage plan.
usagePlanDesc	No	String	The custom description of the usage plan.
maxRequestNumPreSec	No	Int	QPS limit. Default is 1000.
maxRequestNum	No	Int	Total request quota. If not specified, "-1" is used (Disabled).

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
usagePlanId	String	The global unique ID of the usage plan generated by the system.

Parameter Name	Type	Description
usagePlanName	String	The custom name of the usage plan.
usagePlanName	String	The custom description of the usage plan.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=CreateUsagePlan
&usagePlanName=test
&usagePlanDesc=testDesc
&maxRequestNumPreSec=100
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "usagePlanId": "usagePlan-XX",
  "usagePlanName": "name",
  "usagePlanDesc": "desc",
  "createdTime": "2017-08-07T00:00:00Z",
}
```

Delete Usage Plan

Last updated : 2018-09-27 16:15:36

API Description

This API (DeleteUsagePlan) is used to delete a usage plan.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanId	Yes	String	The unique ID of the usage plan to be deleted.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DeleteUsagePlan  
&usagePlanId=usagePlan-XX
```

The returned results are as below:

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

Query Usage Plan Status

Last updated : 2018-09-27 16:16:51

API Description

This API (DescribeUsagePlansStatus) is used to query one or more usage plan lists. You can get the names, descriptions and QPS details of the usage plans by using this API.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanIds.n	No	Array of Strings	Queries by the unique ID(s) of one or more usage plans.
offset	No	Int	Offset. Default is 0.
limit	No	Int	Number of returned results. Default is 20. Maximum is 100.
orderby	No	String	Sorting field.
order	No	String	Sorting mode.
searchName	No	String	Conducts fuzzy search based on the usage plan name.
searchId	No	String	Conducts exact search based on the unique ID of the usage plan.

Output Parameters

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

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
totalCount	Int	Number of usage plans matching the filter condition.
usagePlanStatusSet	List of Array	List of usage plans.

"usagePlanStatusSet" is an array of "usagePlanStatus", which is composed as follows:

Parameter Name	Type	Description
usagePlanId	String	The unique ID of the usage plan.
usagePlanName	String	The custom name of the usage plan.
usagePlanDescription	String	The custom description of the usage plan.
requestControlUnit	String	Unit of the request limit. Default is SECOND. Only SECOND is supported at the moment, and MINUTE and HOUR will be supported in the future.
requestControlNum	Int	Request limit.
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
maxRequestNum	Int	Total request quota. -1: Disable.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeUsagePlansStatus
&usagePlanIds.0=usagePlan-XX
&usagePlanIds.1=usagePlan-XXXX
&offset=0
&limit=2
&orderby=createTime
&order=desc
&searchKey=aa
&filter.notServiceId=service-6qdpptk
&filter.environment=Test
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "totalCount": 2,
  "usagePlanStatusSet": [
    {
      "usagePlanId": "usagePlan-XX",
      "usagePlanName": "test1",
      "usagePlanDescription": "test1",
      "maxRequestNumPreSec": 500,
      "createTime": "2017-08-07T00:00:00Z",
      "modifiedTime": "2017-08-07T00:00:00Z",
      "maxRequestNum": -1
    },
    {
      "usagePlanId": "usagePlan-XXXX",
      "usagePlanName": "test2",
      "usagePlanDescription": "test2",
      "maxRequestNumPreSec": 500,
      "createTime": "2017-08-07T00:10:00Z",
      "modifiedTime": "2017-08-07T00:10:00Z",
      "maxRequestNum": 100
    }
  ]
}
```

Query List of Keys Bound to Usage Plan

Last updated : 2018-09-27 16:17:31

API Description

This API (DescribeUsagePlanSecretIds) is used to query the list of keys bound to a usage plan.

A usage plan can be bound to multiple key pairs in API Gateway. You can query the key pairs bound with the usage plan using this API.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanId	Yes	String	The unique ID of the usage plan to be queried.
limit	No	Int	Number of results to be returned.
offset	No	Int	Offset (from which key pair the query is started).

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
totalCount	String	Number of keys.
secretIdList	List of Array	List of key details.

"secretIdList" is an array of "secretStatus", which is composed as follows:

Parameter Name	Type	Description
secretName	String	Key name.
secretId	String	Key ID.
status	Int	Key status. 0: Disabled; 1: Enabled.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeUsagePlanSecretIds  
&usagePlanId=usagePlan-XX
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "totalCount": 2  
  "secretIdList": [  
    {  
      "secretName": "hwpwolmy",  
      "secretId": "AKIDckpbbu0uogyngvbjuhn3z1mbqfy1db7h2cs9",  
      "status": 1  
    },  
    {  
      "secretName": "8jsuxt2i",  
      "secretId": "AKIDFD3ZD5rq48TQKH61Lh6l37m0w507rD3h79z",  
      "status": 0  
    }  
  ]  
}
```

Query List of Environments Bound to Usage Plan

Last updated : 2018-09-27 16:18:11

API Description

This API (DescribeUsagePlanEnvironments) is used to query the list of environments bound to a usage plan.

After binding a usage plan to any environment, you can query the environments of all services bound with the usage plan.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanId	Yes	String	The unique ID of the usage plan to be queried.
limit	No	Int	Number of results to be returned. For a usage plan bound to environments of multiple services, the number of returned results is 20 by default.
offset	No	Int	A query that returns multiple results starts from the offset.
bindType	No	String	Binding type. Value range: API and SERVICE. Default is SERVICE.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.

Parameter Name	Type	Description
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
totalCount	Int	Number of the environments of the services to which a usage plan is bound.
environmentList	List of Array	Status of the environments of the services bound to a usage plan.

"environmentList" indicates whether the service is bound to environments. "environmentList" is an array of "environment", which is composed as follows:

Parameter Name	Type	Description
serviceld	String	The unique ID of the bound service.
serviceName	String	Name of the bound service.
environmentName	String	The name of the bound environment.
apild	String	The unique API ID. This parameter is returned if the input parameter bindType=API.
inUseRequestNum	Int	Number of used requests.
maxRequestNum	Int	Total request quota. -1: Disable.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DescribeUsagePlanEnvironments  
&usagePlanId=usagePlan-XX
```

The returned results are as below:

```
{
  "code": "0",
  "message": "",
  "codeDesc": "Success",
  "totalCount": 2,
  "environmentList": [
    {
      "seviceId": "sevice-XX",
      "serviceName": "xxx",
      "environmentName": "Test",
      "inUseRequestNum": 0,
      "maxRequestNum": -1
    },
    {
      "seviceId": "sevice-XXXX",
      "serviceName": "xxx",
      "environmentName": "release",
      "inUseRequestNum": 10,
      "maxRequestNum": 100
    }
  ],
}
```

Query Usage Plan Details

Last updated : 2018-09-27 16:18:45

API Description

This API (DescribeUsagePlan) is used to query the details about a usage plan, such as its name, QPS, creation time and the environment it is bound to.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanId	Yes	String	The unique ID of the usage plan to be queried.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.
usagePlanId	String	The unique ID of the usage plan.
usagePlanName	String	The custom name of the usage plan.
usagePlanDesc	String	The description of the usage plan.
maxRequestNumPreSec	Int	QPS limit.

Parameter Name	Type	Description
createdTime	Timestamp	Creation time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
modifiedTime	Timestamp	Last modification time. It is in the format of YYYY-MM-DDThh:mm:ssZ according to the ISO8601 standard. UTC time is used.
bindSecretIdTotalCount	Int	Number of keys bound to the usage plan.
bindSecretIds	List of String	List of the keys bound to the usage plan.
bindEnvironmentTotalCount	Int	Number of the environments of the services to which the usage plan is bound.
bindEnvironments	List of Array	Status of the environments of the services bound to a usage plan.

"bindEnvironments" indicates whether the service is bound to environments. "bindEnvironments" is an array of "bindEnvironment", which is composed as follows:

Parameter Name	Type	Description
serviceId	String	The unique ID of the bound service.
environmentName	String	The name of the bound environment.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=DescribeUsagePlan
&usagePlanId=usagePlan-XX
```

The returned results are as below:

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

```
"usagePlanId":"usagePlan-XX",
"usagePlanName":"test1",
"usagePlanDesc":"test1",
"maxRequestNumPreSec":500,
"createTime":"2017-08-07T00:00:00Z",
"modifiedTime":"2017-08-07T00:00:00Z",
"bindSecretIdTotalCount":2,
"bindSecretIds":[
  "AKIDXXXXXwdeqDFaw",
  "AKIDXXXXXkoihMAIS",
],
"bindEnvironmentTotalCount":2,
"bindEnvironments":[
{
  "seviceId":"sevice-XX",
  "environmentName":"Test",

},
{
  "seviceId":"sevice-XXXX",
  "environmentName":"release"
}
],
}
```

Bind Usage Plan to Service Environment

Last updated : 2018-09-27 16:19:24

API Description

This API (BindEnvironment) is used to bind a usage plan to an environment.

After releasing a service in an environment, to call an API that requires authentication, you need to bind a usage plan to the environment. You can bind a usage plan to a specified environment using this API.

A usage plan can be bound to an API, but the usage plans of a single service cannot be bound to both the service and the API. For an environment that has been bound to a service usage plan, degrade the usage plan using the DemoteServiceUsagePlan API first.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
usagePlanIds.n	Yes	List Of String	List of the unique IDs of the usage plans to be unbound.
serviceId	Yes	String	The unique ID of the service to be bound.
environment	Yes	String	Environment to be bound to.
bindType	No	String	Binding type. Value range: API and SERVICE. Default is SERVICE.
apiIds.n	No	List of String	An array of unique API Ids. This parameter is required if bindType=API.

Output Parameters

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

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=BindEnvironment
&usagePlanId.0=usagePlan-XX
&usagePlanId.1=usagePlan-XXX
&serviceId=sevice-XX
&bindEnvironment=test
```

The returned results are as below:

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

```
https://apigateway.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=BindEnvironment
&usagePlanId.0=usagePlan-XX
&usagePlanId.1=usagePlan-XXX
&serviceId=sevice-XX
&bindType=API
&apiIds.0=api-2yuua008
&bindEnvironment=test
```

The returned results are as below:

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

Degrade Usage Plan Bound to Service Environment

Last updated : 2018-09-27 16:16:15

API Description

This API (DemoteServiceUsagePlan) is used to degrade the usage plan of a service in a given environment to the API level.

If the authentication is required for the service to take effect, you need to bind usage plans to this service.

This API is used to query all usage plans bound to a service.

This operation is not allowed for a service with no API.

This operation is not allowed if the service has not been released in the given environment.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceld	Yes	String	The unique ID of the service to be queried.
environment	Yes	String	The environment name.
usagePlanId	Yes	String	Usage plan ID.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.

Parameter Name	Type	Description
message	String	Module error message description depending on API.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=DemoteServiceUsagePlan  
&serviceId=service-XX
```

The returned results are as below:

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

Documentation and SDK-Related APIs

Generate Documentation and SDK

Last updated : 2018-09-27 16:20:20

API Description

This API (GenerateApiDocument) is used to generate an API document and an SDK automatically. A document and an SDK are generated for a service in an environment.

Input Parameters

The following request parameter list only provides API request parameters. Other parameters can be found in [Common Request Parameters](#).

Parameter Name	Required	Type	Description
serviceld	Yes	String	The unique ID of the service for which the document is to be created.
language	Yes	String	The language of the SDK to be created. Only python and javascript are supported.
environment	Yes	String	The service environment of the SDK to be created.

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
codeDesc	String	Error code at business side. For a successful operation, "Success" is returned. In case of an error, a message describing the reason for the error is returned.

Parameter Name	Type	Description
documentURL	String	The generated document is stored in COS. This output parameter returns the download link of the generated document.
sdkURL	String	The generated SDK is stored in COS. This output parameter returns the download link of the generated SDK.

Example

```
https://apigateway.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=GenerateApiDocument  
&serviceId=service-xxxx  
&language=python  
&environment=release
```

The returned results are as below:

```
{  
  "code": "0",  
  "message": "",  
  "codeDesc": "Success",  
  "documentURL": "http://api-document-1253970226.cosgz.myqcloud.com/service-xxxx.zip",  
  "sdkURL": "http://api-sdk-python-1253970226.cosgz.myqcloud.com/service-xxxx.zip",  
}
```