

About Account API Documentation Product Documentation



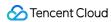


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API Documentation Overview

Last updated: 2020-03-04 10:47:11

Account APIs can help you quickly manage projects under your account. You can create and modify projects with these APIs.

Please see API Overview for supported actions.



API Overview

Last updated: 2020-03-04 10:47:38

API Feature	Action ID
Creates a project	AddProject
Queries project list	DescribeProject
Modifies a project	UpdateProject
Disables a project	StopProject
Enables a project	StartProject



Request Method Request Structure Overview

Last updated: 2020-03-04 10:48:02

The call to TencentCloud API is done by sending a request to the server address of TencentCloud API and adding the corresponding request parameters to the request based on the API description.

Service Address

The service access address of TencentCloud API depends on the specific module. For more information, please see the description of each API.

Communication Protocol

Most TencentCloud APIs communicate over HTTPS, providing highly secure communications tunnels.

Request Method

TencentCloud API supports both POST and GET requests.

- The two request methods cannot be used together. If GET is used, parameters will be taken from
 the query string. If POST is used, parameters will be taken from the request body, and parameters
 in the query string will be ignored. The parameter format rules of the two request methods are
 identical. GET requests are generally used. If the parameter string is too long, POST is
 recommended.
- Parameters sent in GET requests have to be URL-encoded. This is not needed for POST requests.

Request Parameters



Two types of request parameters are required for each TencentCloud API request: common ones and API ones. Common request parameters are required for every API (please see Common Request Parameters), while API request parameters are specific to each API (please see "Request Parameters" in each API document).

Character Encoding

Both the request and returned result of TencentCloud API are encoded with the UTF-8 character set.



Common Request Parameters

Last updated: 2020-06-08 09:50:04

∧ Note:

This is a legacy API which has been hidden and will no longer be updated.

Common request parameters are required in every API and will not be detailed in each API document unless necessary. **They are required in each request for the request to be initiated properly**. They always begin with an uppercase letter for distinction between API request parameters.

The following lists the specific common request parameters:

Name	Туре	Description	Required
Action	String	Name of the action-specific API. For example, if you want to call the DescribeProject API, then the `Action` parameter should be `DescribeProject`.	Yes
Region	String	Region parameter. Parameter value for each region: Beijing: bj, Guangzhou: gz, Shanghai: sh, Hong Kong (China): hk, North America: ca.	No
Timestamp	UInt	Current UNIX timestamp which records the time when an API request is initiated.	Yes
Nonce	UInt	A random positive integer, which is used in conjunction with `Timestamp` to prevent replay attacks.	Yes
SecretId	String	An ID that the user applies for on the TencentCloud API Key page. A `SecretId` is paired with a unique `SecretKey`, which is used to generate the request signature (`Signature`). For more information, see Signature Method.	Yes
Signature	String	Request signature, which is used to verify the validity of the request. It is generated automatically by the system based on the input parameters. For more information, see Signature Method.	Yes

Suppose you want to query the project list under the current account, a sample of the request would be as follows:



https://account.api.gcloud.com/v2/index.php?
Action=DescribeProject
&SecretId=xxxxxxx
&Timestamp=1465055529
&Nonce=59485
&Signature=mysignature
&<API request parameters>

A complete TencentCloud API request requires two types of parameters: common request parameters and API request parameters. 5 common request parameters are described above. For more information on API request parameters, please see API Request Parameters.



API Request Parameters

Last updated: 2020-06-08 09:50:24

∧ Note:

This is a legacy API which has been hidden and will no longer be updated.

API request parameters vary by API. API request parameters should always begin with a lowercase letter so that they can be differentiated from common request parameters.

For example, the AddProject API supports the following API request parameters:

Parameter Name	Required	Туре	Description
projectName	Yes	String	Project name containing Chinese and English characters as well as digits.
projectDesc	No	String	Project description.

The descriptions of each field are as follows:

Parameter Name	Name of the request parameter supported by the API. You can use it as an API request parameter when using the API.
Required	Indicates whether this parameter is required. "Yes" means that the parameter is required for the API, while "No" means that it is optional.
Туре	Data type of this API parameter.
Description	A brief description of the API request parameter.

Suppose you want to query a created project, a sample of the request would be as follows:

https://account.api.qcloud.com/v2/index.php?Action=AddProject

 $\hbox{\&Common request parameters}$

&projectName=test

&projectDesc=For testing

A complete TencentCloud API request requires two types of parameters: common request parameters and API request parameters. This document only describes API request parameters. For more information on common request parameters, please see Common Request Parameters.



Final Request Format

Last updated: 2020-06-08 09:50:48

∧ Note:

This is a legacy API which has been hidden and will no longer be updated.

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

- Request domain name: the request domain for the AddProject API (for creating a project) is account.api.qcloud.com. This value varies by API action. For more information, please see the description of each API.
- Request path: the request path of TencentCloud API is always /v2/index.php .
- The final request parameter string consists of common request parameters and API request parameters.

The final request URL is concatenated as follows:

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

The final request URL is as follows (the first five parameters are common request parameters, and the last two ones are API request parameters):

https://account.api.qcloud.com/v2/index.php?
Action=AddProject
&SecretId=xxxxxxx
&Timestamp=1465055529
&Nonce=59485
&Signature=mysignature
&projectName=test
&projectDesc=For testing



Returned Result Successful Response

Last updated: 2020-03-04 10:52:08

If an API call succeeds, the code field in the final returned result will be 0. The message field will be empty, and the returned result data will be displayed.

Below is a sample:

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



Error Response

Last updated: 2020-03-04 10:56:07

If an API call fails, the code field in the final returned result will be a value other than 0, and an error message will be displayed in the message field. You can reference code and message to see the error details of the error on Error Codes.

Below is a sample of an error:

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



Signature Method

Last updated: 2020-06-08 09:49:40

∧ Note:

This is a legacy API which has been hidden and will no longer be updated.

TencentCloud API authenticates each access request, so each request is required to include the Signature in the common request parameters for user authentication. The signature is generated with your security credentials, which consist of a SecretId and a SecretKey. Users who have no security credentials can apply for one on Tencent Cloud official website; otherwise, you will not be able to call TencentCloud API.

Applying for Security Credentials

Before using TencentCloud API for the first time, you need to apply for security credentials in **Tencent Cloud Console** > **API Key Management**. Security credentials consist of a SecretId and a SecretKey.

- SecretId is the identity of the requester.
- **SecretKey** is used to encrypt the strings to create a signature so that Tencent Cloud server can validate the identity of the requester.

API keys is an important credential for creating TencentCloud API requests. You can access and manage the resources in your Tencent Cloud account via APIs. For the security of your assets and services, please keep the keys private, change them regularly, and delete old keys promptly after creating new ones.

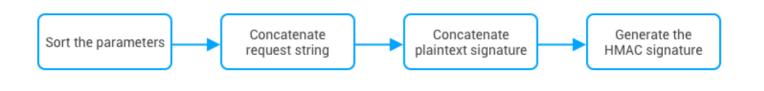
How to apply for security credentials

- 1. Log in to the Tencent Cloud Console and enter the API Key Management page.
- 2. On the API Key Management page, click **Create Key** to create a pair of SecretId/SecretKey .
 - A developer account can have up to two pairs of SecretId/SecretKey.
 - A sub-user can only call certain specified TencentCloud APIs with their security credentials.



Generating a Signature String

With the SecretId and SecretKey, a signature string can be generated as described below:



Assume that the SecretId and SecretKey are:

SecretId: AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA SecretKey: Gu5t9xGARNpq86cd98joQYCN3Cozk1qA

This example is for demonstration purposes only. Make sure that you proceed with your actual SecretId, SecretKey and request parameters.

Take Tencent Cloud CVM as an example. If you wish to call the DescribeInstances API to view the instance list, the request parameters are as follows:

Parameter Name	Description	Parameter Value
Action	Method name	DescribeInstances
SecretId	Key ID	AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA
Timestamp	Current timestamp	1465185768
Nonce	Random positive integer	11886
Region	Region where the instance resides	ap-guangzhou
SignatureMethod	Signature method	HmacSHA256
Instancelds.0	ID of the target instance	ins-09dx96dg

1. Sorting parameters



First, sort all request parameters by parameter name in ascending lexicographical order, just like sorting words in a dictionary in ascending alphabetical order or numerical order. That is to say, sort the parameters by their first letters, and then sort the parameters with the same first letter by their second letters, and so on. You can do this with the aid of relevant sorting functions in the programming language, such as the ksort function in PHP. The sorting results of the above sample parameters are as follows:

```
{
"Action" : "DescribeInstances",
"InstanceIds.0" : "ins-09dx96dg",
"Nonce" : "11886",
"Region" : "ap-guangzhou",
"SecretId" : "AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA",
"SignatureMethod" : "HmacSHA256",
"Timestamp" : "1465185768"
}
```

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

2. Generating request string

This step generates a request string.

Format the request parameters sorted in the previous step into the form of "parameter name"="value". For example, for the Action parameter, its parameter name is "Action" and its value is "DescribeInstances"; therefore, the parameter is formatted into Action=DescribeInstances.

- "Parameter value" is the original value instead of the URL-encoded value.
- If the key of an input parameter contains an underscore, the underscore should be replaced with a

 ; however, underscores in Value do not need to be replaced. For example,
 Placement_Zone=CN_GUANGZHOU should be converted to Placement.Zone=CN_GUANGZHOU.

Then, concatenate the formatted parameters with "%" to generate the request string (ignore the line breaks here):

```
Action=DescribeInstances
&InstanceIds.0=ins-09dx96dg
&Nonce=11886
&Region=ap-guangzhou
&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA
```



&SignatureMethod=HmacSHA256 &Timestamp=1465185768

3. Concatenating an original signature string

This step generates an original signature string.

The structure of original signature string is as follows:

request method + request host + request path + ? + request string

The parameters are as detailed below:

Request method: Both POST and GET methods are supported. GET is used here. Note that the method name should be all capitalized.

- Request host: This is the host domain name. Request domain name is determined and varies by
 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 the request domain names of specific products, please see the
 description of each API.
- **Request path:** Request path for the product to which the TencentCloud API belongs. Each product has a fixed request 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 here):

GETcvm.api.qcloud.com/v2/index.php?Action=DescribeInstances &InstanceIds.0=ins-09dx96dg &Nonce=11886 &Region=ap-guangzhou &SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA &SignatureMethod=HmacSHA256 &Timestamp=1465185768

4. Generating a signature string

This step generates a signature string.



There are two ways to calculate a signature: HmacSHA256 and HmacSHA1. Here, a signature string is generated based on the specified signature algorithm (i.e., the SignatureMethod parameter). The signature will be calculated with the HmacSHA256 algorithm if SignatureMethod is specified as HmacSHA256. In other cases, the signature will be calculated with HmacSHA1.

First, create a hash-based message authentication code (HMAC) that uses HmacSHA256 or HmacSHA1 protocol to sign the **original signature string** generated in the previous step, and then Base64-encode the resulting signature.

In this example, the PHP programming language is used to calculate the signature string with **HmacSHA256**. You can use any other programming languages as long as the resulting signature is the same as the one in this example. The sample code is shown as follows:

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3Cozk1qA';
$srcStr = 'GETcvm.api.qcloud.com/v2/index.php?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg
&Nonce=11886&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA&SignatureMethod=Hm
acSHA256&Timestamp=1465185768';
$signStr = base64_encode(hash_hmac('sha256', $srcStr, $secretKey, true));
echo $signStr;
```

The final signature string is:

```
0EEm/HtGRr/VJXTAD9tYMth1Bzm3LLHz5RCDv1GdM8s=
```

Similarly, if you specify the signature algorithm as **HmacSHA1**, the code to generate the signature string will be as follows:

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3Cozk1qA';
$srcStr = 'GETcvm.api.qcloud.com/v2/index.php?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg
&Nonce=11886&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA&SignatureMethod=Hm
acSHA1&Timestamp=1465185768';
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));
echo $signStr;
```

The final signature string is:

```
nPVnY6njQmwQ8ciqbPl5Qe+0ru4=
```



Encoding a Signature String

The generated signature string cannot be directly used as a request parameter and needs to be URLencoded.

For example, the signature string 0EEm/HtGRr/VJXTAD9tYMth1Bzm3lLHz5RCDv1GdM8s= generated in the previous step should be encoded to 0EEm%2FHtGRr%2FVJXTAD9tYMth1Bzm3lLHz5RCDv1GdM8s%3D. Therefore, the resulting request parameter for the Signature is

<code>0EEm%2FHtGRr%2FVJXTAD9tYMth1Bzm3lLHz5RCDv1GdM8s%3D</code> , which will be used to generate the final request URL.

If you are sending a GET request, all parameters in the request need to be URL-encoded. Please note that some programming languages may offer automatic URL-encoding, and repeated encoding will cause signature verification failure.

Authentication Failure

The following errors may occur when authentication fails:

Error Code	Error Type	Error Description
4100	Authentication failed	Authentication failed. Please make sure that the Signature added to your request is calculated correctly (see steps above as reference) and URL-encoded.
4101	No API access authorization	The sub-user is not authorized to call this API. Please contact the developer for authorization. For more information, please see Authorization Management.
4102	No authorization to access resources	You are not authorized to access resources used by this API. Please check the relevant resource IDs in the message field and contact the developer for authorization. For more information, please see Authorization Management.
4103	Non-developer's SecretId cannot be used to call this API	The sub-user's SecretId cannot be used to call this API. Only the developer has access to this API.



Error Code	Error Type	Error Description
4104	SecretId does not exist	The SecretId does not exist or the status of SecretKey is incorrect. Please make sure that the API key is valid and enabled.
4110	Authentication failed	Permission verification failed. Please make sure that you have the permission to access the resources.
4500	Replay attack error	The Nonce parameter must be unique, and the difference between Timestamp and Tencent server time should not be greater than two hours.



User Account APIs Obtain Account Balance

Last updated: 2020-06-08 09:51:23



This is a legacy API which has been hidden and will no longer be updated.

1. API Description

This API (DescribeAccountBalance) is used to obtain cloud account information.

Domain Name: trade.api.qcloud.com

2. Input Parameters

Parameter Name	Required	Туре	Description
null			

3. Output Parameters

Parameter Name	Туре	Description	
code	Int	Error code, 0: Successful; other values: Failed.	
message	String	Error message	
balanceInfo	Int	The "Show available balance" field in the cloud account information (in cent)	

4. Example

Input



```
https://cvm.api.qcloud.com/v2/index.php?Action=DescribeAccountBalance
&Public Request Parameters
```

Output

```
{
"code":0,
"message": "success",
"balanceInfo":12345
}
```



Create Projects

Last updated: 2020-06-08 12:36:39

∧ Note:

This is a legacy API which has been hidden and will no longer be updated.

API Description

• Domain name: account.api.qcloud.com.

• API name: AddProject

 API description: this API is used to create a project. Project is a virtual concept. You can create up to 100 projects under one account and manage different resources in each project.

Input Parameters

Parameter Name	Required	Туре	Description
projectName	Yes	String	Project name containing letters and digits
projectDesc	No	String	Project description

Output Parameters

Parameter Name	Type Description	
code	Int	Error code. 0: success; other values: failure
message	String	Error message
projectId	Int	Project ID

Samples

Input



```
https://account.api.qcloud.com/v2/index.php?Action=AddProject
&projectName=test
&projectDesc=For testing
&Common request parameters
```

Output

```
{
"code": 0,
"message": "",
"projectId": 1002996
}
```



Querying Project List

Last updated: 2020-06-07 19:53:22

∧ Note:

This is a legacy API which has been hidden and will no longer be updated. We recommend using the new About Aaccount API 3.0 which is standardized and faster.

API Description

- Domain name: account.api.qcloud.com.
- API name: DescribeProject
- API description: this API is used to query the project list. Project is a virtual concept. You can create multiple projects under one account and manage different resources in each project.

Input Parameters

Parameter Name	Required	Туре	Description
allList	No	Int	If this parameter is 1, all projects (including hidden ones) will be queried. If it is left empty or 0, only non-hidden projects will be queried.

Output Parameters

Parameter	Туре	Description
code	Int	Error code. 0: success, other values: failure
message	String	Error message
data	Array	Array of returned results

Data structure



Parameter Name	Туре	Description
projectName	String	Project name
projectId	String	Project ID
createTime	String	Project creation time
creatorUin	String	Project creator
projectInfo	String	Project description

Samples

Input

```
https://account.api.qcloud.com/v2/index.php?Action=DescribeProject
&Common request parameters
```

Output

```
"code": 0,
"message": "",
"data": [
"projectName": "test1",
"projectId": 1002189,
"createTime": "2015-04-28 14:42:53",
"creatorUin": 670569769,
"projectInfo": "info1"
},
"projectName": "test2",
"projectId": 1002190,
"createTime": "2015-04-28 14:42:57",
"creatorUin": 670569769,
"projectInfo": "info2"
}
]
```



Modifying Projects

Last updated: 2020-06-08 12:37:56

∧ Note:

This is a legacy API which has been hidden and will no longer be updated.

API Description

• Domain name: tag.api.qcloud.com.

• API name: UpdateProject

• API description: this API is used to modify the information of a project.

Input Parameters

Parameter Name	Required	Туре	Description
projectId	Yes	Int	Project ID
name	No	String	Project name
info	No	String	Description

Output Parameters

Parameter Name	Туре	Description
code	Int	Error code. 0: success; other values: failure
message	String	Error message
data	Array	Array of returned results

Samples

Input



```
https://tag.api.qcloud.com/v2/index.php?Action=UpdateProject
&Common request parameters
```

Output

```
{
"code": 0,
"message": "",
"data": []
}
```



Disabling Projects

Last updated: 2020-06-08 12:38:29

∧ Note:

This is a legacy API which has been hidden and will no longer be updated.

API Description

• Domain name: tag.api.qcloud.com.

• API name: StopProject

• API description: this API is used to disable a project.

Input Parameters

Parameter Name	Required	Туре	Description
projectId	Yes	Int	Project ID

Output Parameters

Parameter Name	Туре	Description
code	Int	Error code. 0: success; other values: failure
message	String	Error message
data	Array	Array of returned results

Samples

Input

https://tag.api.qcloud.com/v2/index.php?Action=StopProject

&Common request parameters



Output

```
{
"code": 0,
"message": "",
"data": []
}
```



Enabling Projects

Last updated: 2020-06-08 12:43:28

∧ Note:

This is a legacy API which has been hidden and will no longer be updated.

API Description

• Domain name: tag.api.qcloud.com.

• API name: StartProject

• API description: this API is used to enable a project.

Input Parameters

Parameter Name	Required	Туре	Description
projectId	Yes	Int	Project ID

Output Parameters

Parameter Name	Туре	Description
code	Int	Error code. 0: success; other values: failure
message	String	Error message
data	Array	Array of returned results

Samples

Input

https://tag.api.qcloud.com/v2/index.php?Action=StartProject

&Common request parameters



Output

```
{
"code": 0,
"message": "",
"data": []
}
```



Error Codes

Last updated: 2020-03-04 12:13:57

Feature Description

If an API call fails, you can reference the error code to check the error information.

- **code** is a common error code applicable to all APIs. If **code** is 0, the call succeeded; otherwise, the call failed, and you can determine the cause of the error and take corresponding actions based on the list of common error codes.
- message describes the error.
 Each error consists of two parts: the content in the () is the error code, and the content after the () is the specific error description. You can determine the cause of the error and take corresponding actions based on the error code list.

Sample:

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

Error Codes

Common errors

Error Code	Туре	Description
4000	Invalid request parameter	A required parameter is missing, or the parameter value is incorrectly formatted. For detailed error information, please see the `message` field.
4100	Authentication failed	Signature authentication failed. For more information, please see the Authentication section in the documentation.
4200	Request expired	The request has expired. For more information, please see the Request Validity Period section in the documentation.



4300	Access denied	The account is blocked or not authorized to use the API.
4400	Quota exceeded	The number of requests exceeds the quota limit. Please submit a ticket for assistance.
4500	Replay attack	The `Nonce` and `Timestamp` parameters ensure that each request will be executed only once on the server. The `Nonce` parameter must be unique, and the difference between `Timestamp` and Tencent server time should not be greater than 2 hours.
4600	Unsupported protocol	The protocol is not supported. For more information, please see the documentation.
5000	The resource does not exist	The instance corresponding to the resource ID does not exist, the instance has been returned, or resource accessed belongs to other users.
5100	Resource operation failed	The operation on the resource failed. For detailed error information, please see the `message` field. Please try again later or submit a ticket for assistance.
5200	Resource purchase failed	Failed to purchase the resource. Possible causes include unsupported instance configuration or insufficient resources.
5300	Resource purchase failed	Failed to purchase the resource due to insufficient balance.
5400	Partially executed	A part of the batch operation has been performed successfully. For more information, please see the returned value of the method.
5500	User qualification review failed	Failed to purchase the resource due to user qualification review failure.
6000	Internal server error	An error occurred inside the server. Please try again later or submit a ticket for assistance.
6100	Unsupported by current version	The API is not supported by the current version or is under maintenance. Note: when this error occurs, please first check whether the domain name of the API is correct, as the domain name may vary by module.
6200	API temporarily inaccessible	The current API is under maintenance and not in service. Please try again later.



100193	Payment failed	Orders in the same purchase should be paid for together.

Action-specific errors

Error codes for project creation, deletion, and update

Error Code	Description	Solution	
1000	The record does not exist	-	
1006	The APPID does not exist	Please check whether the APPID is correctly entered.	
1007	Invalid user	Please submit a ticket for assistance.	
1015	The maximum limit of user-created projects has been reached	Exceeds the maximum limit of 500.	
1036	The project name already exists	Please change the project name.	
1072	Unavailable project	The project has been disabled. Please submit a ticket for assistance.	
9003	No project name	Please enter a project name.	

Error codes for project query

Error Code	Description	Solution
9003	Incorrect query parameter	-
1000	No project ID	-