

Tagging

API Documentation

Product Introduction



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API Documentation

API Overview

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Write APIs

API Name	Feature
CreateTag	Creates tags
DeleteTag	Deletes tags
UpdateResourceTagValue	Modifies tag resource values
ModifyResourceTags	Works with all resource tags in batches
AddResourceTag	Associates tags with resources
DeleteResourceTag	Disassociates resources from tags

Read APIs

API Name	Feature
GetTagValues	Queries tag values
GetTags	Queries a tag list
GetTagKeys	Queries tag keys
GetResourceTagsByResourceIds	Views resource tags

Making API Requests

Request Structure

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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, please 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.

Note:

1. POST and GET requests cannot be used together. If GET method is used, parameters are obtained from Querystring. If 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, GET method is used. If the parameter strings are too long, POST method is used.
2. If GET method is used, all request parameters need to be URL encoded. This is not required if POST method is used.
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 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 (please see [Common Request Parameters](#)), while API request parameters are specific to each API (please see "Request Parameters" in each API document).

Character Encoding

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

Responses

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If the API is successfully called, the error code is 0, the error message is empty, and the returned result data is displayed.

Example:

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

Common Params

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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, please 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 initial letter of each common request parameter is in uppercase so that it can be differentiated from API request parameters.

Common request parameters are as follows:

Note:

This document illustrates APIs specific to Tencent Cloud CVMs. For APIs specific to other Tencent Cloud products, please 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, please see Regions and Availability Zones , or use the API Query Region List . Note: 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 that records the time at which 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	The SecretId that is applied for under Cloud API Key to identify identity. A SecretId corresponds to a unique SecretKey, which is used to generate the request Signature. For more information, please see Signature Method .	String	Yes
Signature	Request signature, which is used to verify the validity of the request. The signature must be computed based on input parameters. For more information, please 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, please 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>
```

Signature

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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 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 **Cloud Products**, and select **Cloud API Key** under **Management Tools** to go to the cloud API key management page.



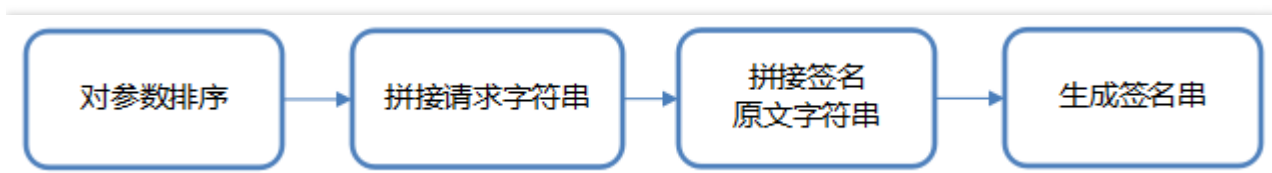
3. On the [API Key Management](#) page, click **New Key** to create a pair of SecretId/SecretKey.

Note:

- 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 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",
  "Nonce" : 11886,
  "Region" : "ap-guangzhou",
  "SecretId" : "AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA",
  "SignatureMethod" : "HmacSHA256",
  "Timestamp" : 1465185768,
```

```
"InstanceId.0" : "ins-09dx96dg"
}
```

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 .

Note:

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.0=ins-09dx96dg
&Nonce=11886
&Region=ap-guangzhou
&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3gnPhESA
&SignatureMethod=HmacSHA256
&Timestamp=1465185768
```

3. Constructing the original signature string

This step is used to generate the 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. Generating the signature string

This step is to generate the 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, 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=
```

Encoding 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 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, please 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, please 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.

APIs for Writing Create Tags

Last updated : 2018-08-07 16:53:33

API Description

This API (CreateTag) is used to create tags for resources on Tencent Cloud.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
tagKey	Yes	String	Tag key
tagValue	Yes	String	Tag value

Output Parameters

None

Error Codes

Error Code	Description
30001	The tag key does not exist
30002	System reserved tag keys <code>qcloud:</code> and <code>tencent:</code> cannot be created.
30004	The main account Uin does not exist
30016	The creator Uin does not exist

Error Code	Description
30017	The user tag already exists
30010	The number of created tag keys exceeds the limit of 1,000
30020	The number of tag values corresponding to a tag key exceeds the limit of 1,000

Example

Input example

`https://domain/v2/index.php?Action=CreateTag&tagKey=t1&tagValue=v1&<Common request parameters>`

Output example

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

Delete Tags

Last updated : 2018-08-07 16:54:07

API Description

This API (DeleteTag) is used to delete tags for resources on Tencent Cloud.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
tagKey	Yes	String	Tag key
tagValue	Yes	String	Tag value

Output Parameters

None

Error Codes

Error Code	Description
30001	The tag key does not exist
30004	The main account Uin does not exist
30016	The creator Uin does not exist

Example

Input example

```
https://domain/v2/index.php?Action=DeleteTag&tagKey=t1&tagValue=v1<Common request parameters>
```

Output example

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

Modify Tag Values

Last updated : 2018-08-07 16:54:47

API Description

This API (UpdateResourceTagValue) is used to modify the tag values of the tags associated to resources on Tencent Cloud (The tag keys do not change).

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
tagKey	Yes	String	Tag key
tagValue	Yes	String	The modified tag value
resource	Yes	String	Six-segment resource tag

Output Parameters

None

Error Codes

Error Code	Description
30001	The tag key does not exist
30006	The tag value does not exist
30004	The main account Uin does not exist

Error Code	Description
30016	The creator Uin does not exist
30003	Incorrect parameter in the six-segment resource tag
30007	The tag does not exist
30020	The number of tag values corresponding to a tag key exceeds the limit of 1,000

Example

Input example

```
https://domain/v2/index.php?Action=UpdateResourceTagValue&tagKey=t1&tagValue=v1&resource=qcs::cvm:ap-beijing:uin/1234567:instance/ins-123&<Common request parameters>
```

Output example

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

Batch Operation of Resource Tags

Last updated : 2018-08-07 16:55:14

API Description

This API (ModifyResourceTags) is used to deal with tags of existing Tencent Cloud resources in batches.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
resource	Yes	String	Six-segment resource tag
addTags	No	Array	A collection of added tags
replaceTags	No	Array	A collection of tags to modify
deleteTags	No	Array	A collection of tags to delete

The parameters of the array addTags are as follows:

Parameter Name	Required	Type	Description
tagKey	No	String	Tag key, an element of addTags
tagValue	No	String	Tag value, an element of addTags

The parameters of the array replaceTags are as follows:

Parameter Name	Required	Type	Description
tagKey	No	String	Tag key, an element of replaceTags
tagValue	No	String	Tag value, an element of replaceTags

The parameters of the array deleteTags are as follows:

Parameter Name	Required	Type	Description
tagKey	No	String	Tag key, an element of deleteTags
tagValue	No	String	Tag value, an element of deleteTags

Output Parameters

None

Error Codes

Error Code	Description
9003	Invalid parameter
30001	The tag key does not exist
30006	The tag value does not exist
30004	The main account Uin does not exist
30016	The creator Uin does not exist
30003	Incorrect parameter in the six-segment resource tag
30007	The tag does not exist
30010	A user can have at most 1,000 different keys
30011	The number of tag keys for a resource cannot exceed 50
30020	The number of tag values corresponding to a tag key exceeds the limit of 1,000

Example

Input example

```
https://domain/v2/index.php?Action=ModifyResourceTags&replaceTags.0.tagKey=t1&replaceTags.0.tagValue=v1&deleteTags.0.tagKey=t2&replaceTags.0.tagValue=v2&resource=qcs::cvm:ap-beijing:uin/1234567:instance/ins-123&<Common request parameters>
```

Output example

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

Associate Resources with Tags

Last updated : 2018-08-07 16:55:46

API Description

This API (AddResourceTag) is used to associate resources on Tencent Cloud with tags.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
tagKey	Yes	String	Tag key
tagValue	Yes	String	Tag value
resource	Yes	String	Six-segment resource tag

Output Parameters

None

Error Codes

Error Code	Description
30001	The tag key does not exist
30002	Default tag keys <code>qcloud:</code> and <code>tencent:</code> must be used. You cannot change them.
30004	The main account Uin does not exist
30016	The creator Uin does not exist

Error Code	Description
30003	Incorrect parameter in the six-segment resource tag
30010	The number of created tag keys exceeds the limit of 1,000
30020	The number of tag values corresponding to a tag key exceeds the limit of 1,000
30005	The user resource tag already exists. You cannot add it again.

Example

Input example

```
https://domain/v2/index.php?Action=AddResourceTag&tagKey=t1&tagValue=v1&resource=qcs::cv  
m:ap-beijing:uin/1234567:instance/ins-123&<Common request parameters>
```

Output example

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

Disassociate Resources from Tags

Last updated : 2018-08-07 16:56:08

API Description

This API (DeleteResourceTag) is used to disassociate resources on Tencent Cloud from tags.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
tagKey	Yes	String	Tag key
tagValue	Yes	String	Tag value
resource	Yes	String	Six-segment resource tag

Output Parameters

None

Error Codes

Error Code	Description
30001	The tag key does not exist
30004	The main account Uin does not exist
30016	The creator Uin does not exist
30003	Incorrect parameter in the six-segment resource tag

Error Code	Description
30007	The tag does not exist

Example

Input example

<https://domain/v2/index.php?Action=DeleteResourceTag&tagKey=t1&tagValue=v1&resource=qcs::cvm:ap-beijing:uin/1234567:instance/ins-123>&<Common request parameters>

Output example

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

APIs for Reading Query Tag List

Last updated : 2018-08-07 16:57:15

API Description

This API (GetTags) is used to query the created tag lists.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
createUin	No	int	Creator Uin. A value of 0 or empty value means only the current Uin is used for query.
page	No	int	Page number. Default is 1.
rp	No	int	Page size. Default is 15.
tagKey	No	String	Tag key, which only exists when tag value exists. If it does not exist, all tags of the user are queried.
tagValue	No	String	Tag value, which only exists when tag key exists. If it does not exist, all tags of the user are queried.

Output Parameters

Parameter Name	Type	Description
total	int	Total number of results
page	int	Current page number

Parameter Name	Type	Description
rp	int	Page size
rows	Array	Tag list

The parameters of the array rows are as follows:

Parameter Name	Type	Description
tagKey	String	Tag key
tagValue	String	Tag value
canDelete	int	Indicates that the tag cannot be deleted because it is associated with some resources

Error Codes

Error Code	Description
30004	The main account Uin does not exist

Example

Input example

```
https://domain/v2/index.php?Action=GetTags&tagKey=testTagKey&tagValue=testTagVal&<Common request parameters>
```

Output example

```
{
  "total": 1,
  "page": "1",
  "rp": "15",
  "rows": [
    {
      "tagKey": "testTagKey",
```

```
"tagValue": "testTagVal",  
"canDelete": 0  
}  
]  
}
```

Query Tag Keys

Last updated : 2018-08-07 16:57:32

API Description

This API (GetTagKeys) is used to query the created tag keys in a tag list.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
createUin	No	Int	Creator Uin. A value of 0 or empty value means only the current Uin is used for query.
page	No	Int	Page number. Default is 1.
rp	No	Int	Page size. Default is 15.

Output Parameters

Parameter Name	Type	Description
total	Int	Total number of results
page	Int	Current page number
rp	Int	Page size
rows	Array	Tag list

The parameters of the array rows are as follows:

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

Parameter Name	Type	Description
tagKey	String	Tag key

Error Codes

Error Code	Description
30004	The main account Uin does not exist

Example

Input example

```
https://domain/v2/index.php?Action=GetTagKeys<Common request parameters>
```

Output example

```
{
  "total": 1,
  "page": "1",
  "rp": "15",
  "rows": [
    {
      "tagKey": "testTagKey"
    }
  ]
}
```

Query Tag Values

Last updated : 2018-08-07 16:57:52

API Description

This API (GetTagValues) is used to query the created tag values in a tag list.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
createUin	No	Int	Creator Uin. A value of 0 or empty value means only the current Uin is used for query.
tagKeys	Yes	Int	Tag key list
page	No	Int	Page number. Default is 1.
rp	No	String	Page size. Default is 15.

Output Parameters

Parameter Name	Type	Description
total	Int	Total number of results
page	Int	Current page number
rp	Int	Page size
rows	Array	Tag list

The parameters of the array rows are as follows:

Parameter Name	Type	Description
tagKey	String	Tag key
tagValue	String	Tag value

Error Codes

Error Code	Description
30001	The tag key does not exist
30004	The main account Uin does not exist

Example

Input example

`https://domain/v2/index.php?Action=GetTags&tagKeys.0=testTagKey1&tagKeys.1=testTagKey2&<Common request parameters>`

Output example

```
{
  "total": 2,
  "page": "1",
  "rp": "15",
  "rows": [
    {
      "tagKey": "testTagKey1",
      "tagValue": "testTagVal1"
    },
    {
      "tagKey": "testTagKey2",
      "tagValue": "testTagVal2"
    }
  ]
}
```

Query Resource Associated Tags

Last updated : 2018-08-07 16:58:08

API Description

This API (GetResourceTagsByResourceIds) is used to query key-value pairs of existing resource tags.

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

Input Parameters

The following request parameter list only provides API request parameters and some common parameters. For the complete common parameter list, please see [Common Request Parameters](#).

Parameter Name	Required	Type	Description
createUin	No	Int	Creator uin. A value of 0 or empty value means the current uin is used for query.
page	Yes	String	Page number. Default is 1.
rp	Yes	String	Page size. Default is 15.
region	Yes	String	A region where resources reside.
serviceType	Yes	String	Business type
resourcePrefix	Yes	Int	Resource prefix
resourceIds	Yes	Array	Uniquely identifies a resource

Output Parameters

data's parameters are as follows:

Parameter Name	Type	Description
total	Int	Total number of results

Parameter Name	Type	Description
page	Int	Current page number
rp	Int	Page size
rows	Array	Tag list

rows' parameters are as follows:

Parameter Name	Type	Description
tagKey	String	Tag key
tagValue	String	Tag value
resourceId	String	Uniquely identifies a resource

Error Codes

Error Code	Description
30004	The main account Uin does not exist

Example

Input example

```
https://domain/v2/index.php?Action=GetResourceTagsByResourceIds&region=ap-guangzhou&seviceType=cvm&prefix=instance&resourceId.0=ins-123&resourceId.1=ins-456<Common request parameters>
```

Output example

```
{
  "total": 4,
  "page": 1,
  "rp": 15,
  "rows": [
    {
```

```
"tagKey": "testTagKey1",
"tagValue": "testTagVal1",
"resourceId": "ins-123"
},
{
"tagKey": "testTagKey2",
"tagValue": "testTagVal2",
"resourceId": "ins-123"
},
{
"tagKey": "testTagKey3",
"tagValue": "testTagVal3",
"resourceId": "ins-123"
},
{
"tagKey": "testTagKey1",
"tagValue": "testTagVal1",
"resourceId": "ins-456"
}
]
}
```