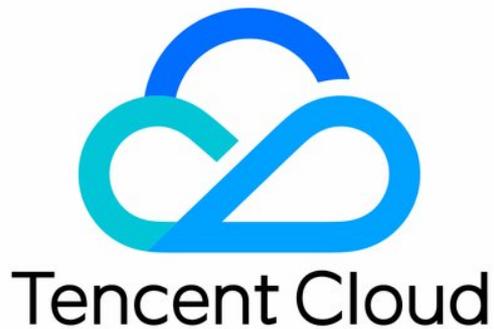


DNSPod

API Documentation

Product Documentation



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Contents

API Documentation

- History

- Introduction

- API Category

- Making API Requests

 - Request Structure

 - Common Params

 - Signature v3

 - Signature

 - Responses

- Batch Operation APIs

 - CreateDomainBatch

 - CreateRecordBatch

 - DeleteDomainBatch

 - ModifyRecordBatch

- Split Zone APIs

 - DescribeRecordLineList

- Group APIs

 - CreateDomainGroup

 - CreateRecordGroup

 - DeleteRecordGroup

 - DescribeDomainGroupList

 - DescribeRecordGroupList

 - ModifyRecordGroup

 - ModifyRecordToGroup

- Record APIs

 - CreateRecord

 - DeleteRecord

 - DescribeRecord

 - DescribeRecordType

 - ModifyRecord

 - ModifyRecordRemark

 - ModifyRecordStatus

 - DescribeRecordList

- DNS Query Volume APIs

DescribeSubdomainAnalytics

Alias APIs

CreateDomainAlias

DeleteDomainAlias

DescribeDomainAliasList

Domain APIs

CreateDomain

DeleteDomain

DeleteShareDomain

DescribeDomain

DescribeDomainLogList

DescribeDomainPurview

DescribeDomainShareInfo

ModifyDomainLock

ModifyDomainOwner

ModifyDomainRemark

ModifyDomainStatus

ModifyDomainUnlock

DescribeDomainList

Data Types

Error Codes

API Documentation

History

Last updated : 2023-04-27 15:39:08

Release 5

Release time: 2023-04-27 15:36:45

Release updates:

Improvement to existing documentation.

Modified data structures:

- [CreateRecordBatchRecord](#)
 - New members:Weight

Release 4

Release time: 2023-03-20 11:00:39

Release updates:

Improvement to existing documentation.

Modified data structures:

- [BatchRecordInfo](#)
 - New members:Weight

Release 3

Release time: 2023-03-01 16:06:38

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateDomainAlias](#)

- [CreateDomainBatch](#)
- [CreateDomainGroup](#)
- [CreateRecordBatch](#)
- [CreateRecordGroup](#)
- [DeleteDomainAlias](#)
- [DeleteDomainBatch](#)
- [DeleteRecordGroup](#)
- [DeleteShareDomain](#)
- [DescribeDomainAliasList](#)
- [DescribeDomainGroupList](#)
- [DescribeDomainList](#)
- [DescribeDomainLogList](#)
- [DescribeDomainPurview](#)
- [DescribeDomainShareInfo](#)
- [DescribeRecordGroupList](#)
- [DescribeRecordLineList](#)
- [DescribeRecordType](#)
- [DescribeSubdomainAnalytics](#)
- [ModifyDomainLock](#)
- [ModifyDomainOwner](#)
- [ModifyDomainUnlock](#)
- [ModifyRecordBatch](#)
- [ModifyRecordGroup](#)
- [ModifyRecordRemark](#)
- [ModifyRecordStatus](#)
- [ModifyRecordToGroup](#)

New data structures:

- [AddRecordBatch](#)
- [BatchRecordInfo](#)
- [CreateDomainBatchDetail](#)
- [CreateDomainBatchRecord](#)
- [CreateRecordBatchDetail](#)
- [CreateRecordBatchRecord](#)
- [DeleteDomainBatchDetail](#)
- [DomainAliasInfo](#)
- [DomainAnalyticsDetail](#)

- [DomainCountInfo](#)
- [DomainListItem](#)
- [DomainShareInfo](#)
- [GroupInfo](#)
- [LineGroupInfo](#)
- [LineInfo](#)
- [LockInfo](#)
- [ModifyRecordBatchDetail](#)
- [PurviewInfo](#)
- [RecordGroupInfo](#)
- [SubdomainAliasAnalyticsItem](#)
- [SubdomainAnalyticsInfo](#)

Modified data structures:

- [RecordListItem](#)
 - New members:DefaultNS

Release 2

Release time: 2022-11-10 17:26:49

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeRecordList](#)

New data structures:

- [RecordCountInfo](#)
- [RecordListItem](#)

Release 1

Release time: 2022-08-02 15:40:58

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateDomain](#)
- [CreateRecord](#)
- [DeleteDomain](#)
- [DeleteRecord](#)
- [DescribeDomain](#)
- [DescribeRecord](#)
- [ModifyDomainRemark](#)
- [ModifyDomainStatus](#)
- [ModifyRecord](#)

New data structures:

- [DomainCreateInfo](#)
- [DomainInfo](#)
- [RecordInfo](#)

Introduction

Last updated : 2022-08-02 15:42:21

Welcome to DNSPod.

DNSPod provides a fast, stable, and high-availability DNS service and supports smart DNS, traffic management, and security protection.

DNSPod is a Tencent Cloud product that focuses on domain and DNS services. With 17 years of uninterrupted services, DNSPod has served 8 million+ users, hosted 20 million+ domains, and deployed 48 nodes across the world. As a top DNS service platform in China, it is committed to offering secure, stable, and fast DNS services.

API Category

Last updated : 2023-04-27 15:39:08

Batch Operation APIs

API Name	Feature	Frequency Limit
CreateDomainBatch	Bulk adds domains	20
CreateRecordBatch	Bulk adds records	20
DeleteDomainBatch	Batch deletes domains	20
ModifyRecordBatch	Bulk modifies records	20

Split Zone APIs

API Name	Feature	Frequency Limit
DescribeRecordLineList	Gets the split zones allowed by the domain level	20

Group APIs

API Name	Feature	Frequency Limit
CreateDomainGroup	Creates a domain group	20
CreateRecordGroup	Adds a record group	20
DeleteRecordGroup	Deletes a record group	20
DescribeDomainGroupList	Gets the list of domain groups	20
DescribeRecordGroupList	Queries the list of DNS record groups	20
ModifyRecordGroup	Modifies a record group	20
ModifyRecordToGroup	Adds a record to a group	20

Record APIs

API Name	Feature	Frequency Limit
CreateRecord	Adds a record	500
DeleteRecord	Deletes a record	500
ModifyRecord	Modifies a record	500
DescribeRecordList	Gets DNS records of a domain	100
DescribeRecord	Gets the information of a record	200
DescribeRecordType	Gets the record type allowed by the domain level	20
ModifyRecordRemark	Sets the remarks of a record	20
ModifyRecordStatus	Sets the record status	20

DNS Query Volume APIs

API Name	Feature	Frequency Limit
DescribeSubdomainAnalytics	Collects statistics on the DNS query volume of a subdomain	20

Alias APIs

API Name	Feature	Frequency Limit
CreateDomainAlias	Creates a domain alias	20
DeleteDomainAlias	Deletes a domain alias	20
DescribeDomainAliasList	Gets the list of domain aliases	20

Domain APIs

API Name	Feature	Frequency Limit
----------	---------	-----------------

API Name	Feature	Frequency Limit
CreateDomain	Adds a domain	20
DeleteDomain	Deletes a domain	20
DeleteShareDomain	Unshares a domain	20
DescribeDomainLogList	Gets the log of a domain	20
DescribeDomainPurview	Gets the permissions of a domain	20
DescribeDomainShareInfo	Gets the domain sharing information	20
ModifyDomainLock	Locks a domain	20
ModifyDomainOwner	Transfers ownership of a domain	20
ModifyDomainRemark	Sets the remarks of a domain	20
ModifyDomainStatus	Modifies the status of a domain	20
ModifyDomainUnlock	Unlocks a domain	20
DescribeDomain	Gets the information of a domain	20
DescribeDomainList	Gets the list of domains	20

Making API Requests

Request Structure

Last updated : 2023-03-01 16:10:26

1. Service Address

The API supports access from either a nearby region (at `dnspod.tencentcloudapi.com`) or a specified region (at `dnspod.ap-guangzhou.tencentcloudapi.com` for Guangzhou, for example).

We recommend using the domain name to access the nearest server. When you call an API, the request is automatically resolved to a server in the region **nearest** to the location where the API is initiated. For example, when you initiate an API request in Guangzhou, this domain name is automatically resolved to a Guangzhou server, the result is the same as that of specifying the region in the domain like "`dnspod.ap-guangzhou.tencentcloudapi.com`".

Note: For latency-sensitive businesses, we recommend that you specify the region in the domain name.

Tencent Cloud currently supports the following regions:

Hosted region	Domain name
Local access region (recommended, only for non-financial availability zones)	<code>dnspod.tencentcloudapi.com</code>
South China (Guangzhou)	<code>dnspod.ap-guangzhou.tencentcloudapi.com</code>
East China (Shanghai)	<code>dnspod.ap-shanghai.tencentcloudapi.com</code>
North China (Beijing)	<code>dnspod.ap-beijing.tencentcloudapi.com</code>
Southwest China (Chengdu)	<code>dnspod.ap-chengdu.tencentcloudapi.com</code>
Southwest China (Chongqing)	<code>dnspod.ap-chongqing.tencentcloudapi.com</code>
Hong Kong, Macao, Taiwan (Hong Kong, China)	<code>dnspod.ap-hongkong.tencentcloudapi.com</code>
Southeast Asia (Singapore)	<code>dnspod.ap-singapore.tencentcloudapi.com</code>

Southeast Asia (Bangkok)	dnspod.ap-bangkok.tencentcloudapi.com
South Asia (Mumbai)	dnspod.ap-mumbai.tencentcloudapi.com
Northeast Asia (Seoul)	dnspod.ap-seoul.tencentcloudapi.com
Northeast Asia (Tokyo)	dnspod.ap-tokyo.tencentcloudapi.com
U.S. East Coast (Virginia)	dnspod.na-ashburn.tencentcloudapi.com
U.S. West Coast (Silicon Valley)	dnspod.na-siliconvalley.tencentcloudapi.com
North America (Toronto)	dnspod.na-toronto.tencentcloudapi.com
Europe (Frankfurt)	dnspod.eu-frankfurt.tencentcloudapi.com

2. Communications Protocol

All the Tencent Cloud APIs communicate via HTTPS, providing highly secure communication tunnels.

3. Request Methods

Supported HTTP request methods:

- POST (recommended)
- GET

The Content-Type types supported by POST requests:

- application/json (recommended). The TC3-HMAC-SHA256 signature algorithm must be used.
- application/x-www-form-urlencoded. The HmacSHA1 or HmacSHA256 signature algorithm must be used.
- multipart/form-data (only supported by certain APIs). You must use TC3-HMAC-SHA256 to calculate the signature.

The size of a GET request packet is up to 32 KB. The size of a POST request is up to 1 MB when the HmacSHA1 or HmacSHA256 signature algorithm is used, and up to 10 MB when TC3-HMAC-SHA256 is used.

4. Character Encoding

Only UTF-8 encoding is used.

Common Params

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Common parameters are used for all APIs authenticating requestors. Common parameters must be included in all API requests, and they will not be described in individual API documents.

The exact contents of the common parameters will vary depending on the version of the signature method you use.

Common parameters for Signature Algorithm v3

When the TC3-HMAC-SHA256 algorithm is used, the common parameters should be uniformly placed in the HTTP request header, as shown below:

Parameter Name	Type	Required	Description
X-TC-Action	String	Yes	The name of the API for the desired operation. For the specific value, see description of common parameter <code>Action</code> in the input parameters in related API documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
X-TC-Region	String	Yes	Region parameter, which is used to identify the region to which the data you work with belongs. For values supported for an API, see the description of common parameter <code>Region</code> in the input parameters in related API documentation. This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even it is passed.
X-TC-Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request is sent. For example, 1529223702. Note: If the difference between the UNIX timestamp and server time is greater than 5 minutes, a signature expiration error may occur.
X-TC-Version	String	Yes	API version of the action. For the valid values, see the description of the common parameter <code>Version</code> in the API documentation. For example, the valid version is 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/Date/service/tc3_request;SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKIDEXAMPLE is the SecretId; Date is UNIX time, and this value must match the value of X-TC-Timestamp (a co

			parameter) in UTC time format; service is the name of the product/service generally a domain name prefix. For example, a domain name cvm.tencent refers to the CVM product and the value would be cvm; - SignedHeaders: The headers that contains the authentication information type and host are the required headers; - Signature: Signature digest.
X-TC-Token	String	No	The token used for a temporary certificate. It must be used with a temporary key. You can obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

Assuming you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, the request structure in the form of request URL, request header and request body may be as follows:

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Limit=10&Offset=0

Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3EXAMPLE/2018-10-09/cvm/tc3_request, SignedHeaders=content-type;host, Signature=5da7a33f6993f0614b047e5df4582db9e9bf4672ba50567dba16c6ccf174c474
Content-Type: application/x-www-form-urlencoded
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1539084154
X-TC-Region: ap-guangzhou
```

The following example shows you how to structure an HTTP POST (application/json) request:

```
https://cvm.tencentcloudapi.com/

Authorization: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/2018-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
Content-Type: application/json
Host: cvm.tencentcloudapi.com
X-TC-Action: DescribeInstances
X-TC-Version: 2017-03-12
X-TC-Timestamp: 1527672334
X-TC-Region: ap-guangzhou

{"Offset":0,"Limit":10}
```

Example of an HTTP POST (multipart/form-data) request structure (only supported by specific APIs):

```
https://cvm.tencentcloudapi.com/
```

```
Authorization: TC3-HMAC-SHA256 Credential=AKIDEXAMPLE/2018-05-30/cvm/tc3_request,
SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b1316
2d9279b0855cfba6789a8edb4c
```

```
Content-Type: multipart/form-data; boundary=58731222010402
```

```
Host: cvm.tencentcloudapi.com
```

```
X-TC-Action: DescribeInstances
```

```
X-TC-Version: 2017-03-12
```

```
X-TC-Timestamp: 1527672334
```

```
X-TC-Region: ap-guangzhou
```

```
--58731222010402
```

```
Content-Disposition: form-data; name="Offset "
```

```
0
```

```
--58731222010402
```

```
Content-Disposition: form-data; name="Limit "
```

```
10
```

```
--58731222010402--
```

Common parameters for Signature Algorithm v1

To adopt the HmacSHA1 and HmacSHA256 signature methods, common parameters must be put into the request string, as shown below:

Parameter Name	Type	Required	Description
Action	String	Yes	The name of the API for the desired operation. For the specific value, see the description of common parameter <code>Action</code> in the input parameters in related API documentation. For example, the API for querying the CVM instance list is <code>DescribeInstances</code> .
Region	String	Yes	Region parameter, which is used to identify the region to which the data you want to work with belongs. For values supported for an API, see the description of common parameter <code>Region</code> in the input parameters in related API documentation. Note: This parameter is not required for some APIs (which will be indicated in related API documentation), and will not take effect even if it is passed.

Timestamp	Integer	Yes	The current UNIX timestamp that records the time when the API request was initiated, for example, 1529223702. If the difference between the value and the current system time is too large, a signature expiration error may occur.
Nonce	Integer	Yes	A random positive integer used along with <code>Timestamp</code> to prevent replay attacks.
SecretId	String	Yes	The identifying SecretId obtained on the Cloud API Key page. A SecretId corresponds to a unique SecretKey which is used to generate the request signature (Signature).
Signature	String	Yes	Request signature used to verify the validity of this request. This is calculated based on the actual input parameters. For more information about how this is calculated, see the API authentication documentation.
Version	String	Yes	API version of the action. For the valid values, see the description of the common input parameter <code>Version</code> in the API documentation. For example, the version of CVM is 2017-03-12.
SignatureMethod	String	No	Signature method. Currently, only HmacSHA256 and HmacSHA1 are supported. The HmacSHA256 algorithm is used to verify the signature only when this parameter is specified as HmacSHA256. In other cases, the signature is verified with HmacSHA1.
Token	String	No	The token used for a temporary certificate. It must be used with a temporary key. You can obtain the temporary key and token by calling a CAM API. No token is required for a long-term key.

Assuming you want to query the list of Cloud Virtual Machine instances in the Guangzhou region, the request structure in the form of request URL, request header and request body may be as follows:

Example of an HTTP GET request structure:

```
https://cvm.tencentcloudapi.com/?Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbec224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

```
Host: cvm.tencentcloudapi.com
Content-Type: application/x-www-form-urlencoded
```

Example of an HTTP POST request structure:

```
https://cvm.tencentcloudapi.com/
```

```
Host: cvm.tencentcloudapi.com
```

```
Content-Type: application/x-www-form-urlencoded
```

```
Action=DescribeInstances&Version=2017-03-12&SignatureMethod=HmacSHA256&Timestamp=1527672334&Signature=37ac2f4fde00b0ac9bd9eadeb459b1bbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKIDEXAMPLE
```

Signature v3

Last updated : 2022-08-02 15:42:22

TencentCloud API authenticates every single request, i.e., the request must be signed using the security credentials in the designated steps. Each request has to contain the signature information (Signature) in the common request parameters and be sent in the specified way and format.

Applying for Security Credentials

The security credential used in this document is a key, which includes a SecretId and a SecretKey. Each user can have up to two pairs of keys.

- * SecretId: Used to identify the API caller, which is just like a username.
- * SecretKey: Used to authenticate the API caller, which is just like a password.

****You must keep your security credentials private and avoid disclosure; otherwise, your assets may be compromised. If they are disclosed, please disable them as soon as possible.**** You can apply for the security credentials through the following steps:

1. Log in to the [Tencent Cloud Console] (<https://console.tencentcloud.com/>).
2. Go to the [TencentCloud API Key](<https://console.tencentcloud.com/capi>) console page.
3. On the [TencentCloud API Key](<https://console.tencentcloud.com/capi>) page, click ****Create**** to create a SecretId/SecretKey pair.

Using the Resources for Developers

TencentCloud API comes with SDKs for seven commonly used programming languages, including [Python](<https://github.com/TencentCloud/tencentcloud-sdk-python-intl-en>), [Java](<https://github.com/TencentCloud/tencentcloud-sdk-java-intl-en>), [PHP](<https://github.com/TencentCloud/tencentcloud-sdk-php-intl-en>), [Go](<https://github.com/TencentCloud/tencentcloud-sdk-go-intl-en>), [NodeJS](<https://github.com/TencentCloud/tencentcloud-sdk-nodejs-intl-en>) and [.NET](<https://github.com/TencentCloud/tencentcloud-sdk-dotnet-intl-en>). In addition, it provides [API Explorer] (<https://console.tencentcloud.com/api/explorer?SignVersion=api3v3>) which enables online call, signature verification, and SDK code generation. If you have any troubles calculating a signature, consult these resources.

TC3-HMAC-SHA256 Signature Algorithm

Compatible with the previous HmacSHA1 and HmacSHA256 signature algorithms, the TC3-HMAC-SHA256 signature algorithm is more secure and supports larger requests and JSON format with better performance. We recommend using TC3-HMAC-SHA256 to calculate the signature. TencentCloud API supports both GET and POST requests. For the GET method, only the Content-Type: application/x-www-form-urlencoded protocol format is supported. For the POST method, two protocol formats, Content-Type: application/json and Content-Type: multipart/form-data, are supported. The JSON format is supported by default for all business APIs, and the multipart format is supported only for specific business APIs. In this case, the API cannot be called in JSON format. See the specific business API documentation for more information. The POST method is recommended, as there is no difference in the results of both the methods, but the GET method only supports request packets up to 32 KB. The following uses querying the list of CVM instances in the Guangzhou region as an example to describe the steps of signature splicing. We chose this API because:

1. CVM is activated by default, and this API is often used;
2. It is read-only and does not change the status of existing resources;
3. It covers many types of parameters, which allows it to be used to demonstrate how to use arrays containing data structures. In the example, we try to choose common parameters and API parameters that are prone to mistakes. When you actually call an API, please use parameters based on the actual conditions. The parameters vary by API. Do not copy the parameters and values in this example. Assuming that your SecretId and SecretKey are `AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****` and

`Gu5t9xGARNpq86cd98joQYCN3*****`, respectively, if you want to view the status of the instance in the Guangzhou region whose CVM instance name is "unnamed" and have only one data entry returned, then the request may be: `` curl -X POST https://cvm.tencentcloudapi.com \ -H "Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff" \ -H "Content-Type: application/json; charset=utf-8" \ -H "Host: cvm.tencentcloudapi.com" \ -H "X-TC-Action: DescribeInstances" \ -H "X-TC-Timestamp: 1551113065" \ -H "X-TC-Version: 2017-03-12" \ -H "X-TC-Region: ap-guangzhou" \ -d '{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}' `` The signature calculation process is explained in detail below. ### 1. Concatenating the CanonicalRequest String Concatenate the canonical request string (CanonicalRequest) in the following pseudocode format: `` CanonicalRequest = HTTPRequestMethod + '\n' + CanonicalURI + '\n' + CanonicalQueryString + '\n' + CanonicalHeaders + '\n' + SignedHeaders + '\n' + HashedRequestPayload ``

Field Name	Explanation
HTTPRequestMethod	HTTP request method (GET or POST). This example uses `POST`.
CanonicalURI	URI parameter. Slash ("/") is used for API 3.0.
CanonicalQueryString	The query string in the URL of the originating HTTP request. This is always an empty string "" for POST requests, and is the string after the question mark (?) for GET requests. For example: Limit=10&Offset=0. Note: `CanonicalQueryString` must be URL-encoded, referencing [RFC3986](https://tools.ietf.org/html/rfc3986), the UTF8 character set. We recommend using the programming language library. All special characters must be encoded and capitalized.
CanonicalHeaders	Header information for signature calculation, including at least two headers of `host` and `content-type`. Custom headers can be added to participate in the signature process to improve the uniqueness and security of the request.

Concatenation rules:

1. Both the key and value of the header should be converted to lowercase with the leading and trailing spaces removed, so they are concatenated in the format of key:value\n format;
2. If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase).

The calculation result in this example is `content-type:application/json; charset=utf-8\nhost:cvm.tencentcloudapi.com\n`.

Note: `content-type` must match the actually sent content. In some programming languages, a charset value would be added even if it is not specified. In this case, the request sent is different from the one signed, and the sever will return an error indicating that signature verification failed.

|| SignedHeaders | Header information for signature calculation, indicating which headers of the request participate in the signature process (they must each individually correspond to the headers in CanonicalHeaders). `Content-type` and `host` are required headers.

Concatenation rules:

1. Both the key and value of the header should be converted to lowercase;
2. If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase) and separated by semicolons (;).

The value in this example is `content-type;host` | | HashedRequestPayload | Hash value of the request payload (i.e., the body, such as `{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}` in this example). The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the payload of the HTTP request, performing hexadecimal encoding, and finally converting the encoded string to lowercase letters. For GET requests, `RequestPayload` is always an empty string. The calculation result in this example is `99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907`. | According to the rules above, the `CanonicalRequest` string obtained in the example is as follows: `` POST / content-type:application/json; charset=utf-8 host:cvm.tencentcloudapi.com content-type;host

99d58dfbc6745f6747f36bfca17dee5e6881dc0428a0a36f96199342bc5b4907 `` ### 2. Concatenating the String to Be Signed The string to sign is concatenated as follows: `` StringToSign = Algorithm + \n + RequestTimestamp + \n + CredentialScope + \n + HashedCanonicalRequest `` | Field Name | Explanation | | - | | Algorithm | Signature algorithm, which is currently always `TC3-HMAC-SHA256`. | | RequestTimestamp | Request timestamp, i.e., the value of the common parameter `X-TC-Timestamp` in the request header, which is the UNIX timestamp of the current time in seconds, such as `1551113065` in this example. | | CredentialScope | Scope of the credential in the format of `Date/service/tc3_request`, including the date, requested service and termination string (tc3_request). **`Date` is a date in UTC time, whose value should match the UTC date converted by the common parameter `X-TC-Timestamp`; ** `service` is the product name, which should match the domain name of the product called. The calculation result in this example is `2019-02-25/cvm/tc3_request`. | | HashedCanonicalRequest | Hash value of the CanonicalRequest string concatenated in the steps above. The pseudocode for calculation is

Lowercase(HexEncode(Hash.SHA256(CanonicalRequest))). The calculation result in this example is

`2815843035062ffda5fd6f2a44ea8a34818b0dc46f024b8b3786976a3adda7a`. | >Note: > 1. Date has to be calculated from the timestamp "X-TC-Timestamp" and the time zone is UTC+0. If you add the system's local time zone information (such as UTC+8), calls can succeed both day and night but will definitely fail at 00:00. For example, if the timestamp is 1551113065 and the time in UTC+8 is 2019-02-26 00:44:25, the UTC+0 date in the calculated Date value should be 2019-02-25 instead of 2019-02-26. > 2. Timestamp must be the same as your current system time, and your system time and standard time must be synced; if the difference between Timestamp and your current system time is larger than five minutes, the request will fail. If your system time is out of sync with the standard time for a while, the request will fail and return a signature expiration error. According to the preceding rules, the string to be signed obtained in the example is as follows: `` TC3-HMAC-SHA256 1551113065 2019-02-25/cvm/tc3_request

2815843035062ffda5fd6f2a44ea8a34818b0dc46f024b8b3786976a3adda7a `` ### 3. Calculating the Signature 1)

Calculate the derived signature key with the following pseudocode: `` SecretKey =

"Gu5t9xGARNpq86cd98joQYCN3*****" SecretDate = HMAC_SHA256("TC3" + SecretKey, Date) SecretService = HMAC_SHA256(SecretDate, Service) SecretSigning = HMAC_SHA256(SecretService, "tc3_request") `` | Field

Name | Explanation | | - | | SecretKey | The original SecretKey, i.e., `Gu5t9xGARNpq86cd98joQYCN3*****`. | | Date |

The Date field information in `Credential`, such as `2019-02-25` in this example. | | Service | Value in the Service field

in `Credential`, such as `cvm` in this example. | 2) Calculate the signature with the following pseudocode: `` Signature

= HexEncode(HMAC_SHA256(SecretSigning, StringToSign)) `` ### 4. Concatenating the Authorization The

Authorization is concatenated as follows: `` Authorization = Algorithm + ' ' + 'Credential=' + SecretId + '/' +

CredentialScope + ', ' + 'SignedHeaders=' + SignedHeaders + ', ' + 'Signature=' + Signature ``` | Field Name | Explanation | | - | | Algorithm | Signature algorithm, which is always `TC3-HMAC-SHA256`. | | SecretId | The SecretId in the key pair, i.e., `AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****`. | | CredentialScope | Credential scope (see above). The calculation result in this example is `2019-02-25/cvm/tc3_request`. | | SignedHeaders | Header information for signature calculation (see above), such as `content-type;host` in this example. | | Signature | Signature value. The calculation result in this example is

`c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff`. | According to the rules above, the value obtained in the example is: ``` TC3-HMAC-SHA256

Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff ``` The following example shows a finished authorization header: ``` POST https://cvm.tencentcloudapi.com/ Authorization: TC3-HMAC-SHA256 Credential=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host,

Signature=c492e8e41437e97a620b728c301bb8d17e7dc0c17eeabce80c20cd70fc3a78ff Content-Type: application/json; charset=utf-8 Host: cvm.tencentcloudapi.com X-TC-Action: DescribeInstances X-TC-Version: 2017-03-12 X-TC-Timestamp: 1551113065 X-TC-Region: ap-guangzhou {"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]} ``` ### 5. Signature Demo When calling API 3.0, you are recommended to use the corresponding Tencent Cloud SDK 3.0 which encapsulates the signature process, enabling you to focus on only the specific APIs provided by the product when developing. See [SDK Center]

(<https://www.tencentcloud.com/document/product/494>) for more information. Currently, the following programming languages are supported: * [Python](<https://github.com/TencentCloud/tencentcloud-sdk-python-intl-en>) * [Java] (<https://github.com/TencentCloud/tencentcloud-sdk-java-intl-en>) * [PHP] (<https://github.com/TencentCloud/tencentcloud-sdk-php-intl-en>) * [Go](<https://github.com/TencentCloud/tencentcloud-sdk-go-intl-en>) * [NodeJS](<https://github.com/TencentCloud/tencentcloud-sdk-nodejs-intl-en>) * [.NET] (<https://github.com/TencentCloud/tencentcloud-sdk-dotnet-intl-en>)

To further explain the signing process, we will use a programming language to implement the process described above. The request domain name, API and parameter values in the sample are used here. This goal of this example is only to provide additional clarification for the signature process, please see the SDK for actual usage. The final output URL might be: https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceId=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Signature=EliP9YW3pW28FpsEdkXt%2F%2BWcGel%3D&Timestamp=1465185768&Version=2017-03-12. Note: The key in the example is fictitious, and the timestamp is not the current time of the system, so if this URL is opened in the browser or called using commands such as curl, an authentication error will be returned: Signature expired. In order to get a URL that can work properly, you need to replace the SecretId and SecretKey in the example with your real credentials and use the current time of the system as the Timestamp. Note: In the example below, even if you use the same programming language, the order of the parameters in the URL may be different for each execution. However, the order does not matter, as long as all the parameters are included in the URL and the signature is calculated correctly. Note: The following code is only applicable to API 3.0. It cannot be directly used in other signature processes. Even with an older API, signature

calculation errors may occur due to the differences in details. Please refer to the corresponding documentation. #####

```

Java `` import java.nio.charset.Charset; import java.nio.charset.StandardCharsets; import
java.security.MessageDigest; import java.text.SimpleDateFormat; import java.util.Date; import java.util.TimeZone;
import java.util.TreeMap; import javax.crypto.Mac; import javax.crypto.spec.SecretKeySpec; import
javax.xml.bind.DatatypeConverter; public class TencentCloudAPITC3Demo { private final static Charset UTF8 =
StandardCharsets.UTF_8; private final static String SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
private final static String SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****"; private final static String
CT_JSON = "application/json; charset=utf-8"; public static byte[] hmac256(byte[] key, String msg) throws Exception {
Mac mac = Mac.getInstance("HmacSHA256"); SecretKeySpec secretKeySpec = new SecretKeySpec(key,
mac.getAlgorithm()); mac.init(secretKeySpec); return mac.doFinal(msg.getBytes(UTF8)); } public static String
sha256Hex(String s) throws Exception { MessageDigest md = MessageDigest.getInstance("SHA-256"); byte[] d =
md.digest(s.getBytes(UTF8)); return DatatypeConverter.printHexBinary(d).toLowerCase(); } public static void
main(String[] args) throws Exception { String service = "cvm"; String host = "cvm.tencentcloudapi.com"; String region
= "ap-guangzhou"; String action = "DescribeInstances"; String version = "2017-03-12"; String algorithm = "TC3-
HMAC-SHA256"; String timestamp = "1551113065"; //String timestamp = String.valueOf(System.currentTimeMillis() /
1000); SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd"); // Pay attention to the time zone; otherwise,
errors may occur sdf.setTimeZone(TimeZone.getTimeZone("UTC")); String date = sdf.format(new
Date(Long.valueOf(timestamp + "000"))); // ***** Step 1: Concatenate the CanonicalRequest string *****
String httpRequestMethod = "POST"; String canonicalUri = "/"; String canonicalQueryString = ""; String
canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "host:" + host + "\n"; String signedHeaders =
"content-type;host"; String payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name\": \"instance-
name\"}] }"; String hashedRequestPayload = sha256Hex(payload); String canonicalRequest = httpRequestMethod +
"\n" + canonicalUri + "\n" + canonicalQueryString + "\n" + canonicalHeaders + "\n" + signedHeaders + "\n" +
hashedRequestPayload; System.out.println(canonicalRequest); // ***** Step 2: Concatenate the string to sign
***** String credentialScope = date + "/" + service + "/" + "tc3_request"; String hashedCanonicalRequest =
sha256Hex(canonicalRequest); String stringToSign = algorithm + "\n" + timestamp + "\n" + credentialScope + "\n" +
hashedCanonicalRequest; System.out.println(stringToSign); // ***** Step 3: Calculate the signature *****
byte[] secretDate = hmac256(("TC3" + SECRET_KEY).getBytes(UTF8), date); byte[] secretService =
hmac256(secretDate, service); byte[] secretSigning = hmac256(secretService, "tc3_request"); String signature =
DatatypeConverter.printHexBinary(hmac256(secretSigning, stringToSign)).toLowerCase();
System.out.println(signature); // ***** Step 4: Concatenate the Authorization ***** String authorization =
algorithm + " " + "Credential=" + SECRET_ID + "/" + credentialScope + ", " + "SignedHeaders=" + signedHeaders + ",
" + "Signature=" + signature; System.out.println(authorization); TreeMap headers = new TreeMap();
headers.put("Authorization", authorization); headers.put("Content-Type", CT_JSON); headers.put("Host", host);
headers.put("X-TC-Action", action); headers.put("X-TC-Timestamp", timestamp); headers.put("X-TC-Version",
version); headers.put("X-TC-Region", region); StringBuilder sb = new StringBuilder(); sb.append("curl -X POST
https://").append(host) .append(" -H \"Authorization: ").append(authorization).append("\"") .append(" -H \"Content-
Type: application/json; charset=utf-8\"") .append(" -H \"Host: ").append(host).append("\"") .append(" -H \"X-TC-Action:

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").append(action).append("") .append(" -H \"X-TC-Timestamp: ").append(timestamp).append("") .append(" -H \"X-TC-Version: ").append(version).append("") .append(" -H \"X-TC-Region: ").append(region).append("") .append(" -d ").append(payload).append(""); System.out.println(sb.toString()); } } #### Python ``` # -*- coding: utf-8 -*- import hashlib, hmac, json, os, sys, time from datetime import datetime # Key Parameters secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****" secret_key = "Gu5t9xGARNpq86cd98joQYCN3*****" service = "cvm" host = "cvm.tencentcloudapi.com" endpoint = "https://" + host region = "ap-guangzhou" action = "DescribeInstances" version = "2017-03-12" algorithm = "TC3-HMAC-SHA256" #timestamp = int(time.time()) timestamp = 1551113065 date = datetime.utcnow().strftime("%Y-%m-%d") params = {"Limit": 1, "Filters": [{"Name": "instance-name", "Values": ["unnamed"]}]} # ***** Step 1: Concatenate the CanonicalRequest string ***** http_request_method = "POST" canonical_uri = "/" canonical_querystring = "" ct = "application/json; charset=utf-8" payload = json.dumps(params) canonical_headers = "content-type:%s\nhost:%s\n" % (ct, host) signed_headers = "content-type;host" hashed_request_payload = hashlib.sha256(payload.encode("utf-8")).hexdigest() canonical_request = (http_request_method + "\n" + canonical_uri + "\n" + canonical_querystring + "\n" + canonical_headers + "\n" + signed_headers + "\n" + hashed_request_payload) print(canonical_request) # ***** Step 2: Concatenate the string to sign ***** credential_scope = date + "/" + service + "/" + "tc3_request" hashed_canonical_request = hashlib.sha256(canonical_request.encode("utf-8")).hexdigest() string_to_sign = (algorithm + "\n" + str(timestamp) + "\n" + credential_scope + "\n" + hashed_canonical_request) print(string_to_sign) # ***** Step 3: Calculate the Signature ***** # Function for computing signature digest def sign(key, msg): return hmac.new(key, msg.encode("utf-8"), hashlib.sha256).digest() secret_date = sign(("TC3" + secret_key).encode("utf-8"), date) secret_service = sign(secret_date, service) secret_signing = sign(secret_service, "tc3_request") signature = hmac.new(secret_signing, string_to_sign.encode("utf-8"), hashlib.sha256).hexdigest() print(signature) # ***** Step 4: Concatenate the Authorization ***** authorization = (algorithm + " " + "Credential=" + secret_id + "/" + credential_scope + ", " + "SignedHeaders=" + signed_headers + ", " + "Signature=" + signature) print(authorization) print('curl -X POST ' + endpoint + ' -H "Authorization: ' + authorization + '"' + ' -H "Content-Type: application/json; charset=utf-8"' + ' -H "Host: ' + host + '"' + ' -H "X-TC-Action: ' + action + '"' + ' -H "X-TC-Timestamp: ' + str(timestamp) + '"' + ' -H "X-TC-Version: ' + version + '"' + ' -H "X-TC-Region: ' + region + '"' + " -d " + payload + "'") #### Golang ``` package main import ( "crypto/hmac" "crypto/sha256" "encoding/hex" "fmt" "time" ) func sha256hex(s string) string { b := sha256.Sum256([]byte(s)) return hex.EncodeToString(b[:]) } func hmacsha256(s, key string) string { hashed := hmac.New(sha256.New, []byte(key)) hashed.Write([]byte(s)) return string(hashed.Sum(nil)) } func main() { secretId := "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****" secretKey := "Gu5t9xGARNpq86cd98joQYCN3*****" host := "cvm.tencentcloudapi.com" algorithm := "TC3-HMAC-SHA256" service := "cvm" version := "2017-03-12" action := "DescribeInstances" region := "ap-guangzhou" //var timestamp int64 = time.Now().Unix() var timestamp int64 = 1551113065 // step 1: build canonical request string httpRequestMethod := "POST" canonicalURI := "/" canonicalQueryString := "" canonicalHeaders := "content-type:application/json; charset=utf-8\n" + "host:" + host + "\n" signedHeaders := "content-type;host" payload := `{"Limit": 1, "Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}` hashedRequestPayload := sha256hex(payload) canonicalRequest := fmt.Sprintf("%s\n%s\n%s\n%s\n%s\n%s", httpRequestMethod, canonicalURI, canonicalQueryString,

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canonicalHeaders, signedHeaders, hashedRequestPayload) fmt.Println(canonicalRequest) // step 2: build string to
sign date := time.Unix(timestamp, 0).UTC().Format("2006-01-02") credentialScope :=
fmt.Sprintf("%s/%s/tc3_request", date, service) hashedCanonicalRequest := sha256hex(canonicalRequest)
string2sign := fmt.Sprintf("%s\n%d\n%s\n%s", algorithm, timestamp, credentialScope, hashedCanonicalRequest)
fmt.Println(string2sign) // step 3: sign string secretDate := hmacsha256(date, "TC3"+secretKey) secretService :=
hmacsha256(service, secretDate) secretSigning := hmacsha256("tc3_request", secretService) signature :=
hex.EncodeToString([]byte(hmacsha256(string2sign, secretSigning))) fmt.Println(signature) // step 4: build
authorization authorization := fmt.Sprintf("%s Credential=%s/%s, SignedHeaders=%s, Signature=%s", algorithm,
secretId, credentialScope, signedHeaders, signature) fmt.Println(authorization) curl := fmt.Sprintf(`curl -X POST
https://%s\ -H "Authorization: %s" \ -H "Content-Type: application/json; charset=utf-8" \ -H "Host: %s" \ -H "X-TC-Action:
%s" \ -H "X-TC-Timestamp: %d" \ -H "X-TC-Version: %s" \ -H "X-TC-Region: %s" \ -d '%s'`, host, authorization, host,
action, timestamp, version, region, payload) fmt.Println(curl) } `` ##### PHP `` =2.3.0 require 'digest' require 'json'
require 'time' require 'openssl' # Key Parameters secret_id = 'AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****'
secret_key = 'Gu5t9xGARNpq86cd98joQYCN3*****' service = 'cvm' host = 'cvm.tencentcloudapi.com' endpoint =
'https://' + host region = 'ap-guangzhou' action = 'DescribeInstances' version = '2017-03-12' algorithm = 'TC3-HMAC-
SHA256' # timestamp = Time.now.to_i timestamp = 1551113065 date = Time.at(timestamp).utc.strftime('%Y-%m-
%d') # ***** Step 1: Concatenate the CanonicalRequest string ***** http_request_method = 'POST'
canonical_uri = '/' canonical_querystring = "" canonical_headers = "content-type:application/json; charset=utf-
8\nhost:#{host}\n" signed_headers = 'content-type;host' # params = { 'Limit' => 1, 'Filters' => [{ 'Name' => 'instance-
name', 'Values' => ['unnamed'] ] } } # payload = JSON.generate(params, { 'ascii_only' => true, 'space' => ' ' }) # json
will generate in random order, to get specified result in example, we hard-code it here. payload = '{"Limit": 1, "Filters":
[{"Values": ["unnamed"], "Name": "instance-name"}]}' hashed_request_payload = Digest::SHA256.hexdigest(payload)
canonical_request = [ http_request_method, canonical_uri, canonical_querystring, canonical_headers,
signed_headers, hashed_request_payload, ].join("\n") puts canonical_request # ***** Step 2: Concatenate the
string to sign ***** credential_scope = date + '/' + service + '/' + 'tc3_request' hashed_request_payload =
Digest::SHA256.hexdigest(canonical_request) string_to_sign = [ algorithm, timestamp.to_s, credential_scope,
hashed_request_payload, ].join("\n") puts string_to_sign # ***** Step 3: Calculate the Signature *****
digest = OpenSSL::Digest.new('sha256') secret_date = OpenSSL::HMAC.digest(digest, 'TC3' + secret_key, date)
secret_service = OpenSSL::HMAC.digest(digest, secret_date, service) secret_signing =
OpenSSL::HMAC.digest(digest, secret_service, 'tc3_request') signature = OpenSSL::HMAC.hexdigest(digest,
secret_signing, string_to_sign) puts signature # ***** Step 4: Concatenate the Authorization *****
authorization = "#{algorithm} Credential=#{secret_id}/#{credential_scope}, SignedHeaders=#{signed_headers},
Signature=#{signature}" puts authorization puts 'curl -X POST ' + endpoint \ + ' -H "Authorization: ' + authorization + ""
\ + ' -H "Content-Type: application/json; charset=utf-8" \ + ' -H "Host: ' + host + "" \ + ' -H "X-TC-Action: ' + action + "" \
+ ' -H "X-TC-Timestamp: ' + timestamp.to_s + "" \ + ' -H "X-TC-Version: ' + version + "" \ + ' -H "X-TC-Region: ' +
region + "" \ + " -d '" + payload + "" "" ##### DotNet `` using System; using System.Collections.Generic; using
System.Security.Cryptography; using System.Text; public class Application { public static string SHA256Hex(string s)
{ using (SHA256 algo = SHA256.Create()) { byte[] hashbytes = algo.ComputeHash(Encoding.UTF8.GetBytes(s));

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StringBuilder builder = new StringBuilder(); for (int i = 0; i < hashbytes.Length; ++i) {
builder.Append(hashbytes[i].ToString("x2")); } return builder.ToString(); } } public static byte[] HmacSHA256(byte[]
key, byte[] msg) { using (HMACSHA256 mac = new HMACSHA256(key)) { return mac.ComputeHash(msg); } } public
static Dictionary BuildHeaders(string secretid, string secretkey, string service, string endpoint, string region, string
action, string version, DateTime date, string requestPayload) { string datestr = date.ToString("yyyy-MM-dd");
DateTime startTime = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc); long requestTimestamp =
(long)Math.Round((date - startTime).TotalMilliseconds, MidpointRounding.AwayFromZero) / 1000; // *****
Step 1: Concatenate the CanonicalRequest string ***** string algorithm = "TC3-HMAC-SHA256"; string
httpRequestMethod = "POST"; string canonicalUri = "/"; string canonicalQueryString = ""; string contentType =
"application/json"; string canonicalHeaders = "content-type:" + contentType + "; charset=utf-8\n" + "host:" + endpoint +
"\n"; string signedHeaders = "content-type;host"; string hashedRequestPayload = SHA256Hex(requestPayload);
string canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canonicalQueryString + "\n" +
canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload; Console.WriteLine(canonicalRequest);
Console.WriteLine("-----"); // ***** Step 2: Concatenate the string to sign *****
string credentialScope = datestr + "/" + service + "/" + "tc3_request"; string hashedCanonicalRequest =
SHA256Hex(canonicalRequest); string stringToSign = algorithm + "\n" + requestTimestamp.ToString() + "\n" +
credentialScope + "\n" + hashedCanonicalRequest; Console.WriteLine(stringToSign); Console.WriteLine("-----
-----"); // ***** Step 3: Calculate the signature ***** byte[] tc3SecretKey =
Encoding.UTF8.GetBytes("TC3" + secretkey); byte[] secretDate = HmacSHA256(tc3SecretKey,
Encoding.UTF8.GetBytes(datestr)); byte[] secretService = HmacSHA256(secretDate,
Encoding.UTF8.GetBytes(service)); byte[] secretSigning = HmacSHA256(secretService,
Encoding.UTF8.GetBytes("tc3_request")); byte[] signatureBytes = HmacSHA256(secretSigning,
Encoding.UTF8.GetBytes(stringToSign)); string signature = BitConverter.ToString(signatureBytes).Replace("-",
"").ToLower(); Console.WriteLine(signature); Console.WriteLine("-----"); // ***** Step 4:
Concatenate the Authorization ***** string authorization = algorithm + " " + "Credential=" + secretid + "/" +
credentialScope + " " + "SignedHeaders=" + signedHeaders + " " + "Signature=" + signature;
Console.WriteLine(authorization); Console.WriteLine("-----"); Dictionary headers = new
Dictionary(); headers.Add("Authorization", authorization); headers.Add("Host", endpoint); headers.Add("Content-
Type", contentType + "; charset=utf-8"); headers.Add("X-TC-Timestamp", requestTimestamp.ToString());
headers.Add("X-TC-Version", version); headers.Add("X-TC-Action", action); headers.Add("X-TC-Region", region);
return headers; } } public static void Main(string[] args) { // SecretID and SecretKey string SECRET_ID =
"AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"; string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****";
string service = "cvm"; string endpoint = "cvm.tencentcloudapi.com"; string region = "ap-guangzhou"; string action =
"DescribeInstances"; string version = "2017-03-12"; // The timestamp `2019-02-26 00:44:25` used here is only for
reference. In a project, use the following parameter: // DateTime date = DateTime.UtcNow; // Enter the correct time
zone. We recommend using UTC timestamp to avoid errors. DateTime date = new DateTime(1970, 1, 1, 0, 0, 0, 0,
DateTimeKind.Utc).AddSeconds(1551113065); string requestPayload = "{\"Limit\": 1, \"Filters\": [{\"Values\":
[\"\\u672a\\u547d\\u540d\"], \"Name\": \"instance-name\"}]}"; Dictionary headers = BuildHeaders(SECRET_ID,

```

```

SECRET_KEY, service, endpoint, region, action, version, date, requestPayload); Console.WriteLine("POST
https://cvm.tencentcloudapi.com"); foreach (KeyValuePair kv in headers) { Console.WriteLine(kv.Key + ": " +
kv.Value); } Console.WriteLine(); Console.WriteLine(requestPayload); } } `````` NodeJS `````` const crypto =
require('crypto'); function sha256(message, secret = "", encoding) { const hmac = crypto.createHmac('sha256', secret)
return hmac.update(message).digest(encoding) } function getHash(message, encoding = 'hex') { const hash =
crypto.createHash('sha256') return hash.update(message).digest(encoding) } function getDate(timestamp) { const
date = new Date(timestamp * 1000) const year = date.getUTCFullYear() const month = ('0' + (date.getUTCMonth() +
1)).slice(-2) const day = ('0' + date.getUTCDate()).slice(-2) return `${year}-${month}-${day}` } function main(){ const
SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****" const SECRET_KEY =
"Gu5t9xGARNpq86cd98joQYCN3*****" const endpoint = "cvm.tencentcloudapi.com" const service = "cvm" const
region = "ap-guangzhou" const action = "DescribeInstances" const version = "2017-03-12" //const timestamp =
getTime() const timestamp = 1551113065 const date = getDate(timestamp) // ***** Step 1: Concatenate the
CanonicalRequest string ***** const signedHeaders = "content-type;host" const payload = `{"Limit": 1,
"Filters": [{"Values": ["unnamed"], "Name": "instance-name"}]}` const hashedRequestPayload =
getHash(payload); const httpRequestMethod = "POST" const canonicalUri = "/" const canonicalQueryString = "" const
canonicalHeaders = "content-type:application/json; charset=utf-8\n" + "host:" + endpoint + "\n" const
canonicalRequest = httpRequestMethod + "\n" + canonicalUri + "\n" + canonicalQueryString + "\n" +
canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload console.log(canonicalRequest)
console.log("-----") // ***** Step 2: Concatenate the string to sign ***** const algorithm
= "TC3-HMAC-SHA256" const hashedCanonicalRequest = getHash(canonicalRequest); const credentialScope =
date + "/" + service + "/" + "tc3_request" const stringToSign = algorithm + "\n" + timestamp + "\n" + credentialScope +
"\n" + hashedCanonicalRequest console.log(stringToSign) console.log("-----") // ***** Step 3:
Calculate the signature ***** const kDate = sha256(date, 'TC3' + SECRET_KEY) const kService =
sha256(service, kDate) const kSigning = sha256('tc3_request', kService) const signature = sha256(stringToSign,
kSigning, 'hex') console.log(signature) console.log("-----") // ***** Step 4: Concatenate the
Authorization ***** const authorization = algorithm + " " + "Credential=" + SECRET_ID + "/" + credentialScope
+ " " + "SignedHeaders=" + signedHeaders + " " + "Signature=" + signature console.log(authorization) console.log("-----")
const Call_Information = 'curl -X POST ' + "https://" + endpoint + ' -H "Authorization: ' +
authorization + "" + ' -H "Content-Type: application/json; charset=utf-8" + ' -H "Host: ' + endpoint + "" + ' -H "X-TC-
Action: ' + action + "" + ' -H "X-TC-Timestamp: ' + timestamp.toString() + "" + ' -H "X-TC-Version: ' + version + "" + ' -H
"X-TC-Region: ' + region + "" + " -d " + payload + "" console.log(Call_Information) } main() `````` C++ `````` #include
#include #include #include #include #include #include #include using namespace std; string get_data(int64_t xamp) {
string utcDate; char buff[20] = {0}; // time_t timenow; struct tm sttime; sttime = *gmtime(xamp); strftime(buff,
sizeof(buff), "%Y-%m-%d", &sttime); utcDate = string(buff); return utcDate; } string int2str(int64_t n) { stringstream
ss; ss << n; return ss.str(); } string sha256Hex(const string &str) { char buff[3]; unsigned char
hash[SHA256_DIGEST_LENGTH]; SHA256_CTX sha256; SHA256_Init(&sha256); SHA256_Update(&sha256,
str.c_str(), str.size()); SHA256_Final(hash, &sha256); std::string NewString = ""; for(int i = 0; i <
SHA256_DIGEST_LENGTH; i++) { sprintf(buf, sizeof(buf), "%02x", hash[i]); NewString = NewString + buf; } return

```

```

NewString; } string HmacSha256(const string &key, const string &input) { unsigned char hash[32]; HMAC_CTX *h; #if
OPENSSL_VERSION_NUMBER < 0x10100000L HMAC_CTX hmac; HMAC_CTX_init(&hmac); h = &hmac; #else h
= HMAC_CTX_new(); #endif HMAC_Init_ex(h, &key[0], key.length(), EVP_sha256(), NULL); HMAC_Update(h, (
unsigned char* )&input[0], input.length()); unsigned int len = 32; HMAC_Final(h, hash, &len); #if
OPENSSL_VERSION_NUMBER < 0x10100000L HMAC_CTX_cleanup(h); #else HMAC_CTX_free(h); #endif
std::stringstream ss; ss << std::setfill('0'); for (int i = 0; i < len; i++) { ss << hash[i]; } return (ss.str()); } string
HexEncode(const string &input) { static const char* const lut = "0123456789abcdef"; size_t len = input.length(); string
output; output.reserve(2 * len); for (size_t i = 0; i < len; ++i) { const unsigned char c = input[i]; output.push_back(lut[c
>> 4]); output.push_back(lut[c & 15]); } return output; } int main() { string SECRET_ID =
"AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"; string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****";
string service = "cvm"; string host = "cvm.tencentcloudapi.com"; string region = "ap-guangzhou"; string action =
"DescribeInstances"; string version = "2017-03-12"; int64_t timestamp = 1551113065; string date =
get_data(timestamp); // ***** Step 1: Concatenate the CanonicalRequest string ***** string
httpRequestMethod = "POST"; string canonicalUri = "/"; string canonicalQueryString = ""; string canonicalHeaders =
"content-type:application/json; charset=utf-8\nhost:" + host + "\n"; string signedHeaders = "content-type;host"; string
payload = "{\"Limit\": 1, \"Filters\": [{\"Values\": [\"unnamed\"], \"Name\": \"instance-name\"}]\"}"; string
hashedRequestPayload = sha256Hex(payload); string canonicalRequest = httpRequestMethod + "\n" + canonicalUri
+ "\n" + canonicalQueryString + "\n" + canonicalHeaders + "\n" + signedHeaders + "\n" + hashedRequestPayload;
cout << canonicalRequest << endl; cout << "-----" << endl; // ***** Step 2: Concatenate the string
to sign ***** string algorithm = "TC3-HMAC-SHA256"; string RequestTimestamp = int2str(timestamp); string
credentialScope = date + "/" + service + "/" + "tc3_request"; string hashedCanonicalRequest =
sha256Hex(canonicalRequest); string stringToSign = algorithm + "\n" + RequestTimestamp + "\n" + credentialScope
+ "\n" + hashedCanonicalRequest; cout << stringToSign << endl; cout << "-----" << endl; // *****
Step 3: Calculate the signature ***** string kKey = "TC3" + SECRET_KEY; string kDate =
HmacSha256(kKey, date); string kService = HmacSha256(kDate, service); string kSigning = HmacSha256(kService,
"tc3_request"); string signature = HexEncode(HmacSha256(kSigning, stringToSign)); cout << signature << endl; cout
<< "-----" << endl; // ***** Step 4: Concatenate the Authorization ***** string authorization
= algorithm + " " + "Credential=" + SECRET_ID + "/" + credentialScope + ", " + "SignedHeaders=" + signedHeaders +
", " + "Signature=" + signature; cout << authorization << endl; cout << "-----" << endl; string headers =
"curl -X POST https://" + host + "\n" + "-H \"Authorization: \" + authorization + "\n" + "-H \"Content-Type:
application/json; charset=utf-8\"" + "\n" + "-H \"Host: \" + host + "\n" + "-H \"X-TC-Action: \" + action + "\n" + "-H \"X-TC-
Timestamp: \" + RequestTimestamp + "\n" + "-H \"X-TC-Version: \" + version + "\n" + "-H \"X-TC-Region: \" + region +
"\n" + "-d \" + payload; cout << headers << endl; return 0; };` ## Signature Failure The following situational error
codes for signature failure may occur. Please resolve the errors accordingly. | Error Code | Description | |-----|-----
--| | AuthFailure.SignatureExpire | Signature expired. Timestamp and server time cannot differ by more than five
minutes. | | AuthFailure.SecretIdNotFound | The key does not exist. Please go to the console to check whether it is
disabled or you copied fewer or more characters. | | AuthFailure.SignatureFailure | Signature error. It is possible that
the signature was calculated incorrectly, the signature does not match the content actually sent, or the SecretKey is

```

incorrect. | | AuthFailure.TokenFailure | Temporary certificate token error. | | AuthFailure.InvalidSecretId | Invalid key (not a TencentCloud API key type). |

Signature

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Tencent Cloud API authenticates each access request, i.e. each request needs to include authentication information (Signature) in the common parameters to verify the identity of the requester.

The Signature is generated by the security credentials which include SecretId and SecretKey. If you don't have the security credentials yet, go to the [TencentCloud API Key](#) page to apply for them; otherwise, you cannot invoke the TencentCloud API.

1. Applying for Security Credentials

Before using the TencentCloud API for the first time, go to the [TencentCloud API Key](#) page to apply for security credentials.

Security credentials consist of SecretId and SecretKey:

- SecretId is used to identify the API requester.
- SecretKey is used to encrypt the signature string and verify it on the server.
- **You must keep your security credentials private and avoid disclosure.**

You can apply for the security credentials through the following steps:

1. Log in to the [Tencent Cloud Console](#).
2. Go to the [TencentCloud API Key](#) page.
3. On the [API Key Management](#) page, click **Create Key** to create a SecretId/SecretKey pair.

Note: Each account can have up to two pairs of SecretId/SecretKey.

2. Generating a Signature

With the SecretId and SecretKey, a signature can be generated. The following describes how to generate a signature:

Assume that the SecretId and SecretKey are:

- SecretId: AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****
- SecretKey: Gu5t9xGARNpq86cd98joQYCN3*****

Note: This is just an example. For actual operations, please use your own SecretId and SecretKey.

Take the Cloud Virtual Machine's request to view the instance list (DescribeInstances) as an example. When you invoke this API, the request parameters may be as follows:

Parameter name	Description	Parameter value
Action	Method name	DescribeInstances
SecretId	Key ID	AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****
Timestamp	Current timestamp	1465185768
Nonce	Random positive integer	11886
Region	Region where the instance is located	ap-guangzhou
InstanceIds.0	ID of the instance to query	ins-09dx96dg
Offset	Offset	0
Limit	Allowed maximum output	20
Version	API version number	2017-03-12

2.1. Sorting Parameters

First, sort all the request parameters in an ascending lexicographical order (ASCII code) by their names. Notes: (1) Parameters are sorted by their names instead of their values; (2) The parameters are sorted based on ASCII code, not in an alphabetical order or by values. For example, InstanceIds.2 should be arranged after InstanceIds.12. You can complete the sorting process using a sorting function in a programming language, such as the ksort function in PHP. The parameters in the example are sorted as follows:

```
{
  'Action' : 'DescribeInstances',
  'InstanceIds.0' : 'ins-09dx96dg',
  'Limit' : 20,
  'Nonce' : 11886,
  'Offset' : 0,
  'Region' : 'ap-guangzhou',
  'SecretId' : 'AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****',
  'Timestamp' : 1465185768,
  'Version' : '2017-03-12',
}
```

When developing in another programming language, you can sort these sample parameters and it will work as long as you obtain the same results.

2.2. Concatenating a Request String

This step generates a request string.

Format the request parameters sorted in the previous step into the form of "parameter name"="parameter value". For example, for the Action parameter, its parameter name is "Action" and its parameter value is "DescribeInstances", so it will become Action=DescribeInstances after formatted.

Note: The "parameter value" is the original value but not the value after URL encoding.

Then, concatenate the formatted parameters with "&". The resulting request string is as follows:

```
Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0
&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Timestamp=1465
185768&Version=2017-03-12
```

2.3. Concatenating the Signature Original String

This step generates a signature original string.

The signature original string consists of the following parameters:

1. HTTP method: POST and GET modes are supported, and GET is used here for the request. Please note that the method name should be in all capital letters.
2. Request server: the domain name of the request to view the list of instances (DescribeInstances) is cvm.tencentcloudapi.com. The actual request domain name varies by the module to which the API belongs. For more information, see the instructions of the specific API.
3. Request path: The request path in the current version of TencentCloud API is fixed to /.
4. Request string: the request string generated in the previous step.

The concatenation rule of the signature original string is: Request method + request host + request path + ? + request string

The concatenation result of the example is:

```
GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&L
imit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WF
kmLPx3*****&Timestamp=1465185768&Version=2017-03-12
```

2.4. Generating a Signature String

This step generates a signature string.

First, use the HMAC-SHA1 algorithm to sign the **signature original string** obtained in the previous step, and then

encode the generated signature using Base64 to obtain the final signature.

The specific code is as follows with the PHP language being used as an example:

```
$secretKey = 'Gu5t9xGARNpq86cd98joQYCN3*****';

```

The final signature is:

```
zmmjn35mikh6pM3V7sUEuX4wyYM=
```

When developing in another programming language, you can sign and verify the original in the example above and it works as long as you get the same results.

3. Encoding a Signature String

The generated signature string cannot be directly used as a request parameter and must be URL encoded.

For example, if the signature string generated in the previous step is `zmmjn35mikh6pM3V7sUEuX4wyYM=`, the final signature string request parameter (Signature) is `zmmjn35mikh6pM3V7sUEuX4wyYM%3D`, which will be used to generate the final request URL.

Note: If your request method is GET, or the request method is POST and the Content-Type is `application/x-www-form-urlencoded`, then all the request parameter values need to be URL encoded (except the parameter key and the symbol of =) when sending the request. Non-ASCII characters need to be encoded with UTF-8 before URL encoding.

Note: The network libraries of some programming languages automatically URL encode all parameters, in which case there is no need to URL encode the signature string; otherwise, two rounds of URL encoding will cause the signature to fail.

Note: Other parameter values also need to be encoded using [RFC 3986](#). Use %XY in percent-encoding for special characters such as Chinese characters, where "X" and "Y" are hexadecimal characters (0-9 and uppercase A-F), and using lowercase will cause an error.

4. Signature Failure

The following situational error codes for signature failure may occur. Please resolve the errors accordingly.

Error code	Error description
AuthFailure.SignatureExpire	The signature is expired
AuthFailure.SecretIdNotFound	The key does not exist
AuthFailure.SignatureFailure	Signature error
AuthFailure.TokenFailure	Token error
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type)

5. Signature Demo

When calling API 3.0, you are recommended to use the corresponding Tencent Cloud SDK 3.0 which encapsulates the signature process, enabling you to focus on only the specific APIs provided by the product when developing. See [SDK Center](#) for more information. Currently, the following programming languages are supported:

- [Python](#)
- [Java](#)
- [PHP](#)
- [Go](#)
- [NodeJS](#)
- [.NET](#)

To further explain the signing process, we will use a programming language to implement the process described above. The request domain name, API and parameter values in the sample are used here. This goal of this example is only to provide additional clarification for the signature process, please see the SDK for actual usage.

The final output URL might be: `https://cvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****&Signature=zmmjn35mikh6pM3V7sUEuX4wyYM%3D&Timestamp=1465185768&Version=2017-03-12` .

Note: The key in the example is fictitious, and the timestamp is not the current time of the system, so if this URL is opened in the browser or called using commands such as curl, an authentication error will be returned: Signature expired. In order to get a URL that can work properly, you need to replace the SecretId and SecretKey in the example with your real credentials and use the current time of the system as the Timestamp.

Note: In the example below, even if you use the same programming language, the order of the parameters in the URL may be different for each execution. However, the order does not matter, as long as all the parameters are included in the URL and the signature is calculated correctly.

Note: The following code is only applicable to API 3.0. It cannot be directly used in other signature processes. Even with an older API, signature calculation errors may occur due to the differences in details. Please refer to the corresponding documentation.

Java

```
import java.io.UnsupportedEncodingException;
import java.net.URLEncoder;
import java.util.Random;
import java.util.TreeMap;
import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.bind.DatatypeConverter;

public class TencentCloudAPIDemo {
    private final static String CHARSET = "UTF-8";

    public static String sign(String s, String key, String method) throws Exception {
        Mac mac = Mac.getInstance(method);
        SecretKeySpec secretKeySpec = new SecretKeySpec(key.getBytes(CHARSET), mac.getAlgorithm());
        mac.init(secretKeySpec);
        byte[] hash = mac.doFinal(s.getBytes(CHARSET));
        return DatatypeConverter.printBase64Binary(hash);
    }

    public static String getStringToSign(TreeMap<String, Object> params) {
        StringBuilder s2s = new StringBuilder("GETcvm.tencentcloudapi.com/?");
        // When signing, the parameters need to be sorted in lexicographical order. TreeMap
        // is used here to guarantee the correct order.
        for (String k : params.keySet()) {
            s2s.append(k).append("=").append(params.get(k).toString()).append("&");
        }
        return s2s.toString().substring(0, s2s.length() - 1);
    }

    public static String getUrl(TreeMap<String, Object> params) throws UnsupportedEncodingException {
        StringBuilder url = new StringBuilder("https://cvm.tencentcloudapi.com/?");
        // There is no requirement for the order of the parameters in the actual request
        // URL.
        for (String k : params.keySet()) {
```

```
// The request string needs to be URL encoded. As the Key is all in English letters, only the value is URL encoded here.
url.append(k).append("=").append(URLEncoder.encode(params.get(k).toString(), CHARSET)).append("&");
}
return url.toString().substring(0, url.length() - 1);
}

public static void main(String[] args) throws Exception {
    TreeMap<String, Object> params = new TreeMap<String, Object>(); // TreeMap enables automatic sorting
    // A random number should be used when actually calling, for example: params.put("Nonce", new Random().nextInt(Integer.MAX_VALUE));
    params.put("Nonce", 11886); // Common parameter
    // The current time of the system should be used when actually calling, for example: params.put("Timestamp", System.currentTimeMillis() / 1000);
    params.put("Timestamp", 1465185768); // Common parameter
    params.put("SecretId", "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"); // Common parameter
    params.put("Action", "DescribeInstances"); // Common parameter
    params.put("Version", "2017-03-12"); // Common parameter
    params.put("Region", "ap-guangzhou"); // Common parameter
    params.put("Limit", 20); // Business parameter
    params.put("Offset", 0); // Business parameter
    params.put("InstanceIds.0", "ins-09dx96dg"); // Business parameter
    params.put("Signature", sign(getStringToSign(params), "Gu5t9xGARNpq86cd98joQYCN3*****", "HmacSHA1")); // Common parameter
    System.out.println(getUrl(params));
}
}
```

Python

Note: If running in a Python 2 environment, the following requests dependency package must be installed first: `pip install requests`.

```
# -*- coding: utf8 -*-
import base64
import hashlib
import hmac
import time

import requests

secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3*****"
```

```
def get_string_to_sign(method, endpoint, params):
    s = method + endpoint + "?"
    query_str = "&".join("%s=%s" % (k, params[k]) for k in sorted(params))
    return s + query_str

def sign_str(key, s, method):
    hmac_str = hmac.new(key.encode("utf8"), s.encode("utf8"), method).digest()
    return base64.b64encode(hmac_str)

if __name__ == '__main__':
    endpoint = "cvm.tencentcloudapi.com"
    data = {
        'Action': 'DescribeInstances',
        'InstanceIds.0': 'ins-09dx96dg',
        'Limit': 20,
        'Nonce': 11886,
        'Offset': 0,
        'Region': 'ap-guangzhou',
        'SecretId': secret_id,
        'Timestamp': 1465185768, # int(time.time())
        'Version': '2017-03-12'
    }
    s = get_string_to_sign("GET", endpoint, data)
    data["Signature"] = sign_str(secret_key, s, hashlib.sha1)
    print(data["Signature"])
    # An actual invocation would occur here, which may incur fees after success
    # resp = requests.get("https://" + endpoint, params=data)
    # print(resp.url)
```

Golang

```
package main

import (
    "bytes"
    "crypto/hmac"
    "crypto/sha1"
    "encoding/base64"
    "fmt"
    "sort"
)

func main() {
    secretId := "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
    secretKey := "Gu5t9xGARNpq86cd98joQYCN3*****"
```

```
params := map[string]string{
    "Nonce": "11886",
    "Timestamp": "1465185768",
    "Region": "ap-guangzhou",
    "SecretId": secretId,
    "Version": "2017-03-12",
    "Action": "DescribeInstances",
    "InstanceIds.0": "ins-09dx96dg",
    "Limit": "20",
    "Offset": "0",
}

var buf bytes.Buffer
buf.WriteString("GET")
buf.WriteString("cvm.tencentcloudapi.com")
buf.WriteString("/")
buf.WriteString("?")

// sort keys by ascii asc order
keys := make([]string, 0, len(params))
for k, _ := range params {
    keys = append(keys, k)
}
sort.Strings(keys)

for i := range keys {
    k := keys[i]
    buf.WriteString(k)
    buf.WriteString("=")
    buf.WriteString(params[k])
    buf.WriteString("&")
}
buf.Truncate(buf.Len() - 1)

hashed := hmac.New(sha1.New, []byte(secretKey))
hashed.Write(buf.Bytes())

fmt.Println(base64.StdEncoding.EncodeToString(hashed.Sum(nil)))
}
```

PHP

```
<?php
$secretId = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
$secretKey = "Gu5t9xGARNpq86cd98joQYCN3*****";
$params["Nonce"] = 11886;//rand();
```

```
$param["Timestamp"] = 1465185768;//time();
$param["Region"] = "ap-guangzhou";
$param["SecretId"] = $secretId;
$param["Version"] = "2017-03-12";
$param["Action"] = "DescribeInstances";
$param["InstanceIds.0"] = "ins-09dx96dg";
$param["Limit"] = 20;
$param["Offset"] = 0;

ksort($param);

$signStr = "GETcvm.tencentcloudapi.com/?";
foreach ( $param as $key => $value ) {
    $signStr = $signStr . $key . "=" . $value . "&";
}
$signStr = substr($signStr, 0, -1);

$signature = base64_encode(hash_hmac("sha1", $signStr, $secretKey, true));
echo $signature.PHP_EOL;
// need to install and enable curl extension in php.ini
// $param["Signature"] = $signature;
// $url = "https://cvm.tencentcloudapi.com/?".http_build_query($param);
// echo $url.PHP_EOL;
// $ch = curl_init();
// curl_setopt($ch, CURLOPT_URL, $url);
// $output = curl_exec($ch);
// curl_close($ch);
// echo json_decode($output);
```

Ruby

```
# -*- coding: UTF-8 -*-
# require ruby>=2.3.0
require 'time'
require 'openssl'
require 'base64'

secret_id = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
secret_key = "Gu5t9xGARNpq86cd98joQYCN3*****"

method = 'GET'
endpoint = 'cvm.tencentcloudapi.com'
data = {
  'Action' => 'DescribeInstances',
  'InstanceIds.0' => 'ins-09dx96dg',
  'Limit' => 20,
```

```

'Nonce' => 11886,
'Offset' => 0,
'Region' => 'ap-guangzhou',
'SecretId' => secret_id,
'Timestamp' => 1465185768, # Time.now.to_i
'Version' => '2017-03-12',
}
sign = method + endpoint + '/?'
params = []
data.sort.each do |item|
  params << "#{item[0]}=#{item[1]}"
end
sign += params.join('&')
digest = OpenSSL::Digest.new('sha1')
data['Signature'] = Base64.encode64(OpenSSL::HMAC.digest(digest, secret_key, sign))
puts data['Signature']

# require 'net/http'
# uri = URI('https://' + endpoint)
# uri.query = URI.encode_www_form(data)
# p uri
# res = Net::HTTP.get_response(uri)
# puts res.body

```

DotNet

```

using System;
using System.Collections.Generic;
using System.Net;
using System.Security.Cryptography;
using System.Text;

public class Application {
  public static string Sign(string signKey, string secret)
  {
    string signRet = string.Empty;
    using (HMACSHA1 mac = new HMACSHA1(Encoding.UTF8.GetBytes(signKey)))
    {
      byte[] hash = mac.ComputeHash(Encoding.UTF8.GetBytes(secret));
      signRet = Convert.ToBase64String(hash);
    }
    return signRet;
  }

  public static string MakeSignPlainText(SortedDictionary<string, string> requestParams, string requestMethod, string requestHost, string requestPath)

```

```
{
string retStr = "";
retStr += requestMethod;
retStr += requestHost;
retStr += requestPath;
retStr += "?";
string v = "";
foreach (string key in requestParams.Keys)
{
v += string.Format("{0}={1}&", key, requestParams[key]);
}
retStr += v.TrimEnd('&');
return retStr;
}

public static void Main(string[] args)
{
string SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****";
string SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****";

string endpoint = "cvm.tencentcloudapi.com";
string region = "ap-guangzhou";
string action = "DescribeInstances";
string version = "2017-03-12";
double RequestTimestamp = 1465185768;
// long timestamp = ToTimestamp() / 1000;
// string requestTimestamp = timestamp.ToString();
Dictionary<string, string> param = new Dictionary<string, string>();
param.Add("Limit", "20");
param.Add("Offset", "0");
param.Add("InstanceIds.0", "ins-09dx96dg");
param.Add("Action", action);
param.Add("Nonce", "11886");
// param.Add("Nonce", Math.Abs(new Random().Next()).ToString());

param.Add("Timestamp", RequestTimestamp.ToString());
param.Add("Version", version);

param.Add("SecretId", SECRET_ID);
param.Add("Region", region);
SortedDictionary<string, string> headers = new SortedDictionary<string, string>(p
aram, StringComparer.Ordinal);
string sigInParam = MakeSignPlainText(headers, "GET", endpoint, "/");
Console.WriteLine(sigInParam);
string sigOutParam = Sign(SECRET_KEY, sigInParam);
```

```
Console.WriteLine("GET https://cvm.tencentcloudapi.com");
foreach (KeyValuePair<string, string> kv in headers)
{
    Console.WriteLine(kv.Key + ": " + kv.Value);
}
Console.WriteLine("Signature" + ": " + WebUtility.UrlEncode(sigOutParam));
Console.WriteLine();

string result = "https://cvm.tencentcloudapi.com/?";
foreach (KeyValuePair<string, string> kv in headers)
{
    result += WebUtility.UrlEncode(kv.Key) + "=" + WebUtility.UrlEncode(kv.Value) +
"&";
}
result += WebUtility.UrlEncode("Signature") + "=" + WebUtility.UrlEncode(sigOutPa
ram);
Console.WriteLine("GET " + result);
}
}
```

NodeJS

```
const crypto = require('crypto');

function get_req_url(params, endpoint){
    params['Signature'] = escape(params['Signature']);
    const url_strParam = sort_params(params)
    return "https://" + endpoint + "/" + url_strParam.slice(1);
}

function formatSignString(reqMethod, endpoint, path, strParam){
    let strSign = reqMethod + endpoint + path + "?" + strParam.slice(1);
    return strSign;
}

function sha1(secretKey, strsign){
    let signMethodMap = {'HmacSHA1': "sha1"};
    let hmac = crypto.createHmac(signMethodMap['HmacSHA1'], secretKey || "");
    return hmac.update(Buffer.from(strsign, 'utf8')).digest('base64')
}

function sort_params(params) {
    let strParam = "";
    let keys = Object.keys(params);
    keys.sort();
    for (let k in keys) {
        //k = k.replace(/_/g, '.');
    }
}
```

```
strParam += ("%&" + keys[k] + "=" + params[keys[k]]);
}
return strParam
}

function main(){
const SECRET_ID = "AKIDz8krbsJ5yKBZQpn74WFkmLPx3*****"
const SECRET_KEY = "Gu5t9xGARNpq86cd98joQYCN3*****"

const endpoint = "cvm.tencentcloudapi.com"
const Region = "ap-guangzhou"
const Version = "2017-03-12"
const Action = "DescribeInstances"
const Timestamp = 1465185768
// const Timestamp = Math.round(Date.now() / 1000)
const Nonce = 11886
//const nonce = Math.round(Math.random() * 65535)

let params = {};
params['Action'] = Action;
params['InstanceIds.0'] = 'ins-09dx96dg';
params['Limit'] = 20;
params['Offset'] = 0;
params['Nonce'] = Nonce;
params['Region'] = Region;
params['SecretId'] = SECRET_ID;
params['Timestamp'] = Timestamp;
params['Version'] = Version;

strParam = sort_params(params)

const reqMethod = "GET";
const path = "/";
strSign = formatSignString(reqMethod, endpoint, path, strParam)
console.log(strSign)
console.log("-----")

params['Signature'] = sha1(SECRET_KEY, strSign)
console.log(params['Signature'])
console.log("-----")

const req_url = get_req_url(params, endpoint)
console.log(params['Signature'])
console.log("-----")
console.log(req_url)
}
main()
```


Responses

Last updated : 2022-08-02 15:42:22

Response for Successful Requests

For example, when calling CAM API (version: 2017-03-12) to view the status of instances (DescribeInstancesStatus), if the request has succeeded, you may see the response as shown below:

```
{
  "Response": {
    "TotalCount": 0,
    "InstanceStatusSet": [],
    "RequestId": "b5b41468-520d-4192-b42f-595cc34b6c1c"
  }
}
```

- The API will return `Response` , which contains `RequestId` , as long as it processes the request. It does not matter if the request is successful or not.
- `RequestId` is the unique ID of an API request. Contact us with this ID when an exception occurs.
- Except for the fixed fields, all fields are action-specified. For the definitions of action-specified fields, see the corresponding API documentation. In this example, `TotalCount` and `InstanceStatusSet` are the fields specified by the API `DescribeInstancesStatus` . `0` `TotalCount` means that the requester owns 0 CVM instance so the `InstanceStatusSet` is empty.

Response for Failed Requests

If the request has failed, you may see the response as shown below:

```
{
  "Response": {
    "Error": {
      "Code": "AuthFailure.SignatureFailure",
      "Message": "The provided credentials could not be validated. Please ensure your signature is correct."
    },
    "RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
  }
}
```

- The presence of the `Error` field indicates that the request has failed. A response for a failed request will include `Error`, `Code` and `Message` fields.
- `Code` is the code of the error that helps you identify the cause and solution. There are two types of error codes so you may find the code in either common error codes or API-specified error codes.
- `Message` explains the cause of the error. Note that the returned messages are subject to service updates. The information the messages provide may not be up-to-date and should not be the only source of reference.
- `RequestId` is the unique ID of an API request. Contact us with this ID when an exception occurs.

Common Error Codes

If there is an `Error` field in the response, it means that the API call failed. The `Code` field in `Error` indicates the error code. The following table lists the common error codes that all actions can return.

Error Code	Description
<code>AuthFailure.InvalidSecretId</code>	Invalid key (not a TencentCloud API key type).
<code>AuthFailure.MFAFailure</code>	MFA failed.
<code>AuthFailure.SecretIdNotFound</code>	The key does not exist.
<code>AuthFailure.SignatureExpire</code>	Signature expired.
<code>AuthFailure.SignatureFailure</code>	Signature error.
<code>AuthFailure.TokenFailure</code>	Token error.
<code>AuthFailure.UnauthorizedOperation</code>	The request does not have CAM authorization.
<code>DryRunOperation</code>	DryRun Operation. It means that the request would have succeeded, but the <code>DryRun</code> parameter was used.
<code>FailedOperation</code>	Operation failed.
<code>InternalError</code>	Internal error.
<code>InvalidAction</code>	The API does not exist.
<code>InvalidParameter</code>	Incorrect parameter.
<code>InvalidParameterValue</code>	Invalid parameter value.
<code>LimitExceeded</code>	Quota limit exceeded.
<code>MissingParameter</code>	A parameter is missing.

NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTPS request method error. Only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Batch Operation APIs

CreateDomainBatch

Last updated : 2023-03-20 11:02:15

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to bulk add domains.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateDomainBatch.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
DomainList.N	Yes	Array of String	Domain array
RecordValue	No	String	Add A records of @ and www for each domain with the record value of the IP. If this parameter is not passed in or is set to an empty string or null, only the domain but not the records will be added.

3. Output Parameters

Parameter Name	Type	Description
DetailList	Array of CreateDomainBatchDetail	Information of the bulk added domains
JobId	Integer	Bulk task ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Bulk adding domains

This example shows you how to bulk add domains.

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateDomainBatch
<Common request parameters>

{
  "DomainList": [
    "tencent1.com",
    "tencent2.com"
  ],
  "RecordValue": "11.22.33.44"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "DetailList": [
      {
        "RecordList": [
```

```
{
  "RecordLine": "Default",
  "TTL": 600,
  "Id": 0,
  "SubDomain": "test",
  "RecordType": "A",
  "Value": "11.22.33.45",
  "ErrMsg": null,
  "Status": "waiting",
  "Operation": "plus"
},
{
  "RecordLine": "Default",
  "TTL": 600,
  "Id": 1,
  "SubDomain": "@",
  "RecordType": "A",
  "Value": "11.22.33.45",
  "ErrMsg": null,
  "Status": "waiting",
  "Operation": "plus"
}
],
"Id": 0,
"Domain": "tencent12.com",
"DomainGrade": "DP_FREE",
"ErrMsg": null,
"Status": "waiting",
"Operation": "plus"
},
{
  "RecordList": [
    {
      "RecordLine": "Default",
      "TTL": 600,
      "Id": 0,
      "SubDomain": "test",
      "RecordType": "A",
      "Value": "11.22.33.45",
      "ErrMsg": null,
      "Status": "waiting",
      "Operation": "plus"
    },
    {
      "RecordLine": "Default",
      "TTL": 600,
      "Id": 1,
```

```
"SubDomain": "@",
"RecordType": "A",
"Value": "11.22.33.45",
"ErrMsg": null,
"Status": "waiting",
"Operation": "plus"
}
],
"Id": 1,
"Domain": "tencent13.com",
"DomainGrade": "DP_FREE",
"ErrMsg": null,
"Status": "waiting",
"Operation": "plus"
}
],
"JobId": 30
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
InvalidParameter.BatchDomainCreateActionError	Failed to bulk create domains. Cause: Internal error.
InvalidParameter.BatchTaskCountLimit	The number of tasks exceeds the upper limit.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainsEmpty	No domains have been submitted.
InvalidParameter.JobGreaterThanLimit	The number of tasks exceeds the upper limit.
InvalidParameter.RecordValueInvalid	The record value is incorrect.
InvalidParameter.RecordValueLengthInvalid	The DNS record value is too long.
InvalidParameter.TooManyInvalidDomains	The current account has too many invalid domains and is unable to use this feature. Point the DNS server of existing domains to DNSPod correctly and try adding them.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.IPInBlacklistNotAllowed	Sorry, you cannot add a blocked IP.
RequestLimitExceeded.BatchTaskLimit	Too many tasks have been added for your IP. Try again later.
RequestLimitExceeded.CreateDomainLimit	A great number of domains have been added under your account in a short period of time. Control the frequency of adding domains.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

CreateRecordBatch

Last updated : 2023-03-20 11:02:15

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to bulk add records.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateRecordBatch.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
DomainIdList.N	Yes	Array of String	Domain ID. Separate multiple ones by comma.
RecordList.N	Yes	Array of AddRecordBatch	Record array

3. Output Parameters

Parameter Name	Type	Description
DetailList	Array of CreateRecordBatchDetail	Information of the bulk added domains
JobId	Integer	Bulk task ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Bulk adding records

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateRecordBatch
<Common request parameters>

{
  "DomainIdList": [
    49,
    53
  ],
  "RecordList": [
    {
      "SubDomain": "aa,bb",
      "RecordType": "A",
      "RecordLine": "Default",
      "Value": "11.22.33.44",
      "TTL": 600
    }
  ]
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
```

```
"DetailList": [  
  {  
    "RecordList": [  
      {  
        "RecordLine": "Default",  
        "TTL": "600",  
        "Id": 0,  
        "SubDomain": "www",  
        "RecordType": "A",  
        "Value": "1.2.3.4",  
        "ErrMsg": null,  
        "Status": "waiting",  
        "Operation": "plus"  
      },  
      {  
        "RecordLine": "Default",  
        "TTL": "600",  
        "Id": 1,  
        "SubDomain": "wap",  
        "RecordType": "A",  
        "Value": "1.2.3.4",  
        "ErrMsg": null,  
        "Status": "waiting",  
        "Operation": "plus"  
      },  
      {  
        "RecordLine": "Default",  
        "TTL": "600",  
        "Id": 2,  
        "SubDomain": "bbs",  
        "RecordType": "A",  
        "Value": "1.2.3.4",  
        "ErrMsg": null,  
        "Status": "waiting",  
        "Operation": "plus"  
      }  
    ],  
    "Id": 0,  
    "DomainId": 48,  
    "Domain": "dnsapi6.cn",  
    "DomainGrade": "DP_PLUS",  
    "ErrMsg": null,  
    "Status": "waiting",  
    "Operation": null  
  },  
  {  
    "RecordList": [  

```

```
{
  "RecordLine": "Default",
  "TTL": "600",
  "Id": 0,
  "SubDomain": "www",
  "RecordType": "A",
  "Value": "1.2.3.4",
  "ErrMsg": null,
  "Status": "waiting",
  "Operation": "plus"
},
{
  "RecordLine": "Default",
  "TTL": "600",
  "Id": 1,
  "SubDomain": "wap",
  "RecordType": "A",
  "Value": "1.2.3.4",
  "ErrMsg": null,
  "Status": "waiting",
  "Operation": "plus"
},
{
  "RecordLine": "Default",
  "TTL": "600",
  "Id": 2,
  "SubDomain": "bbs",
  "RecordType": "A",
  "Value": "1.2.3.4",
  "ErrMsg": null,
  "Status": "waiting",
  "Operation": "plus"
}
],
  "Id": 1,
  "DomainId": 49,
  "Domain": "dnsapi1.cn",
  "DomainGrade": "DP_FREE",
  "ErrMsg": null,
  "Status": "waiting",
  "Operation": null
}
],
  "JobId": 34
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
InvalidParameter.BatchRecordCreateActionError	Failed to bulk create records. Cause: Internal error.
InvalidParameter.BatchTaskCountLimit	The number of tasks exceeds the upper limit.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainsEmpty	No domains have been submitted.
InvalidParameter.JobGreaterThanLimit	The number of tasks exceeds the upper limit.

InvalidParameter.ParamsIllegal	The parameter is invalid, so the request was rejected.
InvalidParameter.RecordValueInvalid	The record value is incorrect.
InvalidParameter.RecordValueLengthInvalid	The DNS record value is too long.
InvalidParameter.RecordsEmpty	No records have been submitted.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.IPInBlacklistNotAllowed	Sorry, you cannot add a blocked IP.
RequestLimitExceeded.BatchTaskLimit	Too many tasks have been added for your IP. Try again later.
RequestLimitExceeded.CreateDomainLimit	A great number of domains have been added under your account in a short period of time. Control the frequency of adding domains.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

DeleteDomainBatch

Last updated : 2023-03-20 11:02:15

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to batch delete domains.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteDomainBatch.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
DomainList.N	Yes	Array of String	The domain array.

3. Output Parameters

Parameter Name	Type	Description

JobId	Integer	The task ID.
DetailList	Array of DeleteDomainBatchDetail	The array of task details.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Bulk deleting domains

This example shows you how to bulk delete domains.

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteDomainBatch
<Common request parameters>

{
  "DomainList": [
    "sdfsdfsdf.com"
  ]
}
```

Output Example

```
{
  "Response": {
    "DetailList": [
      {
        "Domain": "yyds999.com",
        "DomainId": 12620607,
        "Error": null,
        "Operation": "remove",
        "Status": "waiting"
      }
    ],
    "JobId": 1703509,
    "RequestId": "5090a972-50ca-4be9-abf3-a1f90e8db36c"
  }
}
```

```
}  
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.BatchRecordRemoveActionError	Failed to batch delete records. Cause: Internal error.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainsEmpty	No domains have been submitted.

InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

ModifyRecordBatch

Last updated : 2023-04-27 15:39:09

1. API Description

Domain name for API request: `dnspod.tencentcloudapi.com`.

This API is used to bulk modify records.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: <code>ModifyRecordBatch</code> .
Version	Yes	String	Common Params . The value used for this API: <code>2021-03-23</code> .
Region	No	String	Common Params . This parameter is not required for this API.
RecordIdList.N	Yes	Array of Integer	Array of record IDs. You can view all DNS records and their IDs via the <code>DescribeRecordList</code> API.
Change	Yes	String	The field to be modified. Valid values: <code>sub_domain</code> , <code>record_type</code> , <code>area</code> , <code>value</code> , <code>mx</code> , <code>t11</code> , <code>status</code> .
ChangeTo	Yes	String	The value to be changed to, which is required and subject to the <code>change</code> field.
Value	No	String	The record value to be changed to, which is required only if the <code>change</code> field is <code>record_type</code> .

MX	No	String	MX record priority, which is required only if the <code>Change</code> field is <code>mx</code> .
----	----	--------	--

3. Output Parameters

Parameter Name	Type	Description
JobId	Integer	Bulk task ID
DetailList	Array of ModifyRecordBatchDetail	See <code>modifyRecordBatchDetail</code> .
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Bulk modifying DNS records

This example shows you how to bulk modify DNS records.

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyRecordBatch
<Common request parameters>

{
  "RecordIdList": [
    101,
    102
  ],
  "Change": "record_type",
  "ChangeTo": "MX",
  "Value": "test.aaaaaaa.com",
  "MX": "23"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "DetailList": [
      {
        "RecordList": [
          {
            "RecordLine": "Default",
            "TTL": 600,
            "MX": 21,
            "RecordId": 178,
            "SubDomain": "test",
            "RecordType": "MX",
            "Value": "test.aaaaaaa.com.",
            "Enabled": 1,
            "Status": "waiting",
            "ErrMsg": null,
            "Id": 0,
            "Operation": "edit"
          }
        ],
        "DomainId": 49,
        "Domain": "dnsapi1.cn",
        "ErrMsg": null,
        "Status": "waiting",
        "Operation": null,
        "DomainGrade": "DP_FREE",
        "Id": 0
      }
    ],
    "JobId": 67
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)

- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.BatchRecordModifyActionError	Failed to bulk modify records. Cause: Internal error.
InvalidParameter.BatchRecordModifyActionInvalidValue	The record value is invalid.
InvalidParameter.BatchRecordReplaceActionError	Failed to bulk replace records. Cause: Internal error.
InvalidParameter.BatchTaskCountLimit	The number of tasks exceeds the upper limit.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainsEmpty	No domains have been submitted.

InvalidParameter.JobGreaterThanLimit	The number of tasks exceeds the upper limit.
InvalidParameter.MxInvalid	The MX priority is incorrect.
InvalidParameter.ParamsIllegal	The parameter is invalid, so the request was rejected.
InvalidParameter.ParamsMissing	The parameter is incorrect.
InvalidParameter.RecordTypeInvalid	The record type is incorrect.
InvalidParameter.RecordValueInvalid	The record value is incorrect.
InvalidParameter.RecordValueLengthInvalid	The DNS record value is too long.
InvalidParameter.RecordsEmpty	No records have been submitted.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.IPInBlacklistNotAllowed	Sorry, you cannot add a blocked IP.
RequestLimitExceeded.BatchTaskLimit	Too many tasks have been added for your IP. Try again later.
RequestLimitExceeded.CreateDomainLimit	A great number of domains have been added under your account in a short period of time. Control the frequency of adding domains.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

Split Zone APIs

DescribeRecordLineList

Last updated : 2023-04-27 15:39:08

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the split zones allowed by the domain level.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRecordLineList.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain.
DomainGrade	Yes	String	Domain level. + Original plan. Valid values: <code>D_FREE</code> (Free Plan); <code>D_PLUS</code> (Individual Plus Plan); <code>D_EXTRA</code> (Enterprise 1 Plan); <code>D_EXPERT</code> (Enterprise 2 Plan); <code>D_ULTRA</code> (Enterprise 3 Plan). + New plan. Valid values: <code>DP_FREE</code> (Free Version); <code>DP_PLUS</code>

			(Professional); <code>DP_EXTRA</code> (Enterprise Basic); <code>DP_EXPERT</code> (Enterprise); <code>DP_ULTRA</code> (Ultimate).
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
LineList	Array of LineInfo	List of split zones.
LineGroupList	Array of LineGroupInfo	List of split zone groups.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Setting the remarks of a record

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRecordLineList
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "DomainGrade": "DP_ULTRA"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "LineGroupList": [
      {
        "LineId": "998=3",
        "Name": "Group 2",
        "LineList": [
          "Global",
          "The third_line",
          "The second_line"
        ],
        "Type": "user"
      },
      {
        "Name": "Northeast China",
        "LineId": "15=1",
        "LineList": [
          "China Mobile, Heilongjiang",
          "China Telecom, Heilongjiang",
          "China Unicom, Heilongjiang",
          "China Mobile, Jilin",
          "China Telecom, Jilin",
          "China Unicom, Jilin",
          "China Mobile, Liaoning",
          "China Telecom, Liaoning",
          "China Unicom, Liaoning"
        ],
        "Type": "system"
      },
      {
        "Name": "Hong Kong/Macao/Taiwan (China)",
        "LineId": "15=7",
        "LineList": [
          "Hong Kong (China)",
          "Macao (China)",
          "Taiwan (China)"
        ],
        "Type": "system"
      }
    ],
    "LineList": [
      {
        "Name": "Default",
        "LineId": "0"
      }
    ]
  }
}
```

```
{
  "Name": "Global",
  "LineId": "3=0"
},
{
  "Name": "Chinese mainland",
  "LineId": "7=0"
},
{
  "Name": "China Telecom",
  "LineId": "10=0"
},
{
  "Name": "China Unicom",
  "LineId": "10=1"
}
]
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainGradeInvalid	The domain level is incorrect.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAgent	You are not a proxy user.

OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

Group APIs

CreateDomainGroup

Last updated : 2023-03-20 11:02:12

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to create a domain group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateDomainGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
GroupName	Yes	String	Domain group

3. Output Parameters

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

GroupId	Integer	Domain group ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a domain group

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateDomainGroup
<Common request parameters>

{
  "GroupName": "Rainbow project"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "GroupId": 1977
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.NotRealNamedUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
FailedOperation.UnknowError	The operation has no response. Try again later.
InternalError	Internal error.
InvalidParameter	Invalid parameter.
InvalidParameter.GroupNameExists	The group name already exists.
InvalidParameter.GroupNameInvalid	The group name can contain 1–17 characters.
LimitExceeded.GroupNumberLimit	The number of groups has reached the upper limit.
MissingParameter	The parameter is missing.
ResourceNotFound	The resource does not exist.

CreateRecordGroup

Last updated : 2023-03-20 11:02:12

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to add a record group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateRecordGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
GroupName	Yes	String	Group name
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
GroupId	Integer	New group ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding a record group

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateRecordGroup
<Common request parameters>

{
  "Domain": "domain.com",
  "GroupName": "Group 2"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ec8949ba-ec3c-446e-b9eb-5aeafa238f0a",
    "GroupId": 146
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

DeleteRecordGroup

Last updated : 2023-03-20 11:02:12

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to delete a record group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteRecordGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
GroupId	Yes	Integer	Group ID
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a record group

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteRecordGroup
<Common request parameters>

{
  "Domain": "domain.com",
  "GroupId": 156
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ec8949ba-ec3c-446e-b9eb-5aeafa238f0a"
  }
}
```

5. Developer Resources

SDK

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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

DescribeDomainGroupList

Last updated : 2023-03-20 11:02:12

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the list of domain groups.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomainGroupList.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.

3. Output Parameters

Parameter Name	Type	Description
GroupList	Array of GroupInfo	Group list

RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.
-----------	--------	--

4. Example

Example1 Getting the list of domain groups

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomainGroupList
<Common request parameters>

{}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "GroupList": [
      {
        "GroupId": 1,
        "GroupName": "Default group",
        "GroupType": "system",
        "Size": 3
      }
    ]
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.NotRealNamedUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
FailedOperation.UnknowError	The operation has no response. Try again later.
InternalError	Internal error.
InvalidParameter	Invalid parameter.
MissingParameter	The parameter is missing.
ResourceNotFound	The resource does not exist.

DescribeRecordGroupList

Last updated : 2023-03-20 11:02:11

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to query the list of DNS record groups.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRecordGroupList.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored.
Offset	No	Integer	Pagination offset
Limit	No	Integer	Number of items per page for pagination

3. Output Parameters

Parameter Name	Type	Description
GroupList	Array of RecordGroupInfo	Group list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the list of DNS record groups

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRecordGroupList
<Common request parameters>

{
  "Domain": "recordgroup.com",
  "Offset": 0,
  "Limit": 10
}
```

Output Example

```
{
  "Response": {
    "RequestId": "0076ce66-aff3-4d2b-bd6e-92bf053ae150",
    "GroupList": [
      {
        "GroupId": 0,
        "GroupName": "Default group",
        "GroupType": "system"
      },
      {
        "GroupId": 144,
        "GroupName": "Group name",

```

```
"GroupType": "user"  
}  
]  
}  
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous

	step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

ModifyRecordGroup

Last updated : 2023-03-20 11:02:11

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to modify a record group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyRecordGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
GroupName	Yes	String	Group name
GroupId	Yes	Integer	ID of the group to be modified
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored.

3. Output Parameters

Parameter Name	Type	Description
GroupId	Integer	ID of the modified group
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying a record group

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyRecordGroup
<Common request parameters>

{
  "Domain": "domain.com",
  "GroupName": "Group 2",
  "GroupId": 145
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ec8949ba-ec3c-446e-b9eb-5aeafa238f0a",
    "GroupId": 145
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

ModifyRecordToGroup

Last updated : 2023-03-20 11:02:11

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to add a record to a group.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyRecordToGroup.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
GroupId	Yes	Integer	Group ID
RecordId	Yes	String	Record ID. Separate multiple IDs by vertical bar (" ").
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding a record to a group

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyRecordToGroup
<Common request parameters>

{
  "Domain": "domain.com",
  "GroupId": 156,
  "RecordId": "123232|2343232"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ec8949ba-ec3c-446e-b9eb-5aeafa238f0a"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

Record APIs

CreateRecord

Last updated : 2023-03-20 11:02:11

1. API Description

Domain name for API request: `dnspod.tencentcloudapi.com`.

This API is used to add a record.

A maximum of 500 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: <code>CreateRecord</code> .
Version	Yes	String	Common Params . The value used for this API: <code>2021-03-23</code> .
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
RecordType	Yes	String	Record type, which is obtained through the record type API. The value contains uppercase letters, such as <code>A</code> .
RecordLine	Yes	String	Record split zone, which is obtained through the record split zone API.
Value	Yes	String	Record value, such as <code>IP : 200.200.200.200</code> , <code>CNAME : cname.dnspod.com</code> , and <code>MX : mail.dnspod.com</code> .

DomainId	No	Integer	Domain ID. The <code>DomainId</code> parameter has a higher priority than <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> will be ignored.
SubDomain	No	String	Host record such as <code>www</code> . If it is not passed in, it will be <code>@</code> by default.
RecordLineId	No	String	Split zone ID, which is obtained through the record split zone API. The value is a string such as <code>10=1</code> . The <code>RecordLineId</code> parameter has a higher priority than <code>RecordLine</code> . If both of them are passed in, <code>RecordLineId</code> will be used first.
MX	No	Integer	MX priority, which is required for an MX record and will take effect if the record type is MX. Value range: 1-20.
TTL	No	Integer	TTL. Value range: 1-604800. The minimum value varies by domain level.
Weight	No	Integer	Weight information, which is an integer between 0 and 100. It is supported only for enterprise VIP domains. <code>0</code> indicates not to pass in this parameter, i.e., not to set the weight.
Status	No	String	Initial status of the record. Valid values: ENABLE, DISABLE. Default value: ENABLE. If <code>DISABLE</code> is passed in, the DNS record won't take effect, and the limit on round-robin DNS won't be verified.

3. Output Parameters

Parameter Name	Type	Description
RecordId	Integer	Record ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding a record

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateRecord
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "SubDomain": "bbbb",
  "RecordType": "A",
  "RecordLine": "Default",
  "RecordLineId": "0",
  "Value": "129.23.32.32",
  "MX": 0,
  "TTL": 600,
  "Weight": 10,
  "Status": "DISABLE"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "RecordId": 162
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)

- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.AccountIsBanned	Your account is banned by the system. Please contact us if you have any questions.
InvalidParameter.CustomMessage	Custom error message.
InvalidParameter.DnssecAddCnameError	DNSSEC has been enabled for this domain. You cannot add an @CNAME, URL, or framed URL record.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainNotAllowedModifyRecords	You cannot change the DNS record of a domain currently active or invalid.
InvalidParameter.DomainNotBeian	The domain does not have an ICP filing, so you cannot

	add a URL record for it.
InvalidParameter.DomainRecordExist	The record already exists and does not need to be added again.
InvalidParameter.EmailNotVerified	Sorry, the email address of your account has not been verified.
InvalidParameter.InvalidWeight	The weight is invalid. Enter an integer between 0 and 100.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.MobileNotVerified	Sorry, the mobile number of your account has not been verified.
InvalidParameter.MxInvalid	The MX priority is incorrect.
InvalidParameter.RecordLineInvalid	The record split zone is incorrect.
InvalidParameter.RecordTypeInvalid	The record type is incorrect.
InvalidParameter.RecordValueInvalid	The record value is incorrect.
InvalidParameter.RecordValueLengthInvalid	The DNS record value is too long.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.SubdomainInvalid	The subdomain is incorrect.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UrlValueIllegal	Sorry, the URL failed to be added/enabled because its content did not comply with the DNSPod Terms of Service. Please contact technical support for assistance.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.

LimitExceeded.AAAACountLimit	The number of AAAA records exceeds the limit.
LimitExceeded.AtNsRecordLimit	The @NS record can be set to the default split zone only.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
LimitExceeded.HiddenUrlExceeded	The DNS plan used by this domain does not support framed URL forwarding, or the number of framed URL forward records exceeds the limit. To use this feature, please purchase more records.
LimitExceeded.NsCountLimit	The number of NS records exceeds the limit.
LimitExceeded.RecordTtlLimit	The TTL value of the record exceeds the limit.
LimitExceeded.SrvCountLimit	The number of SRV records exceeds the limit.
LimitExceeded.SubdomainLevelLimit	The number of subdomain levels exceeds the limit.
LimitExceeded.SubdomainRollLimit	The number of round-robin DNS records of the subdomain exceeds the limit.
LimitExceeded.SubdomainWcardLimit	The number of wildcard levels exceeds the limit.
LimitExceeded.UrlCountLimit	The number of URL forward records of this domain exceeds the limit. To continue using this feature, please purchase more records.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.IPInBlacklistNotAllowed	Sorry, you cannot add a blocked IP.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAdmin	You are not an admin.
OperationDenied.NotAgent	Your are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

DeleteRecord

Last updated : 2023-03-20 11:02:11

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to delete a record.

A maximum of 500 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteRecord.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
RecordId	Yes	Integer	The record ID. You can view all DNS records and their IDs via the <code>DescribeRecordList</code> API.
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a DNS record

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteRecord
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "RecordId": 162
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainNotAllowedModifyRecords	You cannot change the DNS record of a domain currently active or invalid.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.

InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RecordIdInvalid	The record number is incorrect.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAdmin	You are not an admin.
OperationDenied.NotAgent	You are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

DescribeRecord

Last updated : 2023-03-20 11:02:10

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the information of a record.

A maximum of 200 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRecord.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
RecordId	Yes	Integer	The record ID. You can view all DNS records and their IDs via the <code>DescribeRecordList</code> API.
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
RecordInfo	RecordInfo	Record information
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the information of a record

This example shows you how to get the information of a record.

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRecord
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "RecordId": 162
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "RecordInfo": {
      "Id": 158,
      "SubDomain": "test",
      "RecordType": "A",
      "RecordLine": "Baidu",
      "RecordLineId": "90=0",
      "Value": "129.23.32.32",
      "Weight": null,

```

```
"MX": 0,
"TTL": 10,
"Enabled": 1,
"MonitorStatus": "Ok",
"Remark": "Remarks",
"UpdatedOn": "2021-03-31 11:38:02",
"DomainId": 62
}
}
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.

FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainsIsAliaser	This domain is an alias of another domain.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RecordIdInvalid	The record number is incorrect.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAdmin	You are not an admin.
OperationDenied.NotAgent	Your are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

DescribeRecordType

Last updated : 2023-03-20 11:02:10

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the record type allowed by the domain level.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRecordType.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
DomainGrade	Yes	String	Domain level. + Original plan. Valid values: <code>D_FREE</code> (Free Plan); <code>D_PLUS</code> (Individual Plus Plan); <code>D_EXTRA</code> (Enterprise 1 Plan); <code>D_EXPERT</code> (Enterprise 2 Plan); <code>D_ULTRA</code> (Enterprise 3 Plan). + New plan. Valid values: <code>DP_FREE</code> (Free Version); <code>DP_PLUS</code> (Professional); <code>DP_EXTRA</code> (Enterprise Basic); <code>DP_EXPERT</code> (Enterprise); <code>DP_ULTRA</code> (Ultimate).

3. Output Parameters

Parameter Name	Type	Description
TypeList	Array of String	List of record types
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the record type allowed by the domain level

This example shows you how to get the record type allowed by the domain level.

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRecordType
<Common request parameters>

{
  "DomainGrade": "DP_Expert"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "TypeList": [
      "A",
      "CNAME",
      "MX",
      "TXT",
      "NS",
      "SPF",
      "SRV",
      "CAA",
      "URL",
      "Framed URL"
    ]
  }
}
```

```
}  
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
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Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InternalError	Internal error.
InvalidParameter	Invalid parameter.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.

InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainGradeInvalid	The domain level is incorrect.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
MissingParameter	The parameter is missing.
OperationDenied.NotAgent	You are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.
ResourceNotFound	The resource does not exist.

ModifyRecord

Last updated : 2023-03-20 11:02:10

1. API Description

Domain name for API request: `dnspod.tencentcloudapi.com`.

This API is used to modify a record.

A maximum of 500 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyRecord.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
RecordType	Yes	String	Record type, which is obtained through the record type API. The value contains uppercase letters, such as <code>A</code> .
RecordLine	Yes	String	Record split zone, which is obtained through the record split zone API.
Value	Yes	String	Record value, such as <code>IP : 200.200.200.200</code> , <code>CNAME : cname.dnspod.com</code> , and <code>MX : mail.dnspod.com</code> .
RecordId	Yes	Integer	The record ID. You can view all DNS records and their IDs via the

			<code>DescribeRecordList</code> API.
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.
SubDomain	No	String	Host record such as <code>www</code> . If it is not passed in, it will be <code>@</code> by default.
RecordLineId	No	String	Split zone ID, which is obtained through the record split zone API. The value is a string such as <code>10=1</code> . The <code>RecordLineId</code> parameter has a higher priority than <code>RecordLine</code> . If both of them are passed in, <code>RecordLineId</code> will be used first.
MX	No	Integer	MX priority, which is required for an MX record and will take effect if the record type is MX. Value range: 1–20.
TTL	No	Integer	TTL. Value range: 1–604800. The minimum value varies by domain level.
Weight	No	Integer	Weight information, which is an integer between 0 and 100. It is supported only for enterprise VIP domains. <code>0</code> indicates not to pass in this parameter, i.e., not to set the weight.
Status	No	String	Initial status of the record. Valid values: ENABLE, DISABLE. Default value: ENABLE. If <code>DISABLE</code> is passed in, the DNS record won't take effect, and the limit on round-robin DNS won't be verified.

3. Output Parameters

Parameter Name	Type	Description
RecordId	Integer	Record ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding a record

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyRecord
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "SubDomain": "bbbb",
  "RecordType": "A",
  "RecordLine": "Default",
  "RecordLineId": "0",
  "Value": "129.23.32.32",
  "MX": 0,
  "TTL": 600,
  "Weight": 10,
  "Status": "DISABLE",
  "RecordId": 162
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "RecordId": 162
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.AccountIsBanned	Your account is banned by the system. Please contact us if you have any questions.
InvalidParameter.CustomMessage	Custom error message.
InvalidParameter.DnssecAddCnameError	DNSSEC has been enabled for this domain. You cannot add an @CNAME, URL, or framed URL record.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainNotAllowedModifyRecords	You cannot change the DNS record of a domain currently active or invalid.

InvalidParameter.DomainNotBeian	The domain does not have an ICP filing, so you cannot add a URL record for it.
InvalidParameter.DomainRecordExist	The record already exists and does not need to be added again.
InvalidParameter.EmailNotVerified	Sorry, the email address of your account has not been verified.
InvalidParameter.InvalidWeight	The weight is invalid. Enter an integer between 0 and 100.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.MobileNotVerified	Sorry, the mobile number of your account has not been verified.
InvalidParameter.MxInvalid	The MX priority is incorrect.
InvalidParameter.RecordIdInvalid	The record number is incorrect.
InvalidParameter.RecordLineInvalid	The record split zone is incorrect.
InvalidParameter.RecordTypeInvalid	The record type is incorrect.
InvalidParameter.RecordValueInvalid	The record value is incorrect.
InvalidParameter.RecordValueLengthInvalid	The DNS record value is too long.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.SubdomainInvalid	The subdomain is incorrect.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UrlValueIllegal	Sorry, the URL failed to be added/enabled because its content did not comply with the DNSPod Terms of Service. Please contact technical support for assistance.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous

	step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.AAAACountLimit	The number of AAAA records exceeds the limit.
LimitExceeded.AtNsRecordLimit	The @NS record can be set to the default split zone only.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
LimitExceeded.HiddenUrlExceeded	The DNS plan used by this domain does not support framed URL forwarding, or the number of framed URL forward records exceeds the limit. To use this feature, please purchase more records.
LimitExceeded.NsCountLimit	The number of NS records exceeds the limit.
LimitExceeded.RecordTtlLimit	The TTL value of the record exceeds the limit.
LimitExceeded.SrvCountLimit	The number of SRV records exceeds the limit.
LimitExceeded.SubdomainLevelLimit	The number of subdomain levels exceeds the limit.
LimitExceeded.SubdomainRollLimit	The number of round-robin DNS records of the subdomain exceeds the limit.
LimitExceeded.SubdomainWcardLimit	The number of wildcard levels exceeds the limit.
LimitExceeded.UrlCountLimit	The number of URL forward records of this domain exceeds the limit. To continue using this feature, please purchase more records.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.IPInBlacklistNotAllowed	Sorry, you cannot add a blocked IP.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAdmin	You are not an admin.
OperationDenied.NotAgent	Your are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

ModifyRecordRemark

Last updated : 2023-03-20 11:02:10

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to set the remarks of a record.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyRecordRemark.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
RecordId	Yes	Integer	The record ID. You can view all DNS records and their IDs via the <code>DescribeRecordList</code> API.
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.
Remark	No	String	DNS record remarks. To delete the remarks, submit empty content.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Setting the remarks of a record

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyRecordRemark
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "RecordId": 162,
  "Remark": "It is the remarks of the DNS record"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainNotAllowedModifyRecords	You cannot change the DNS record of a domain currently active or invalid.

InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RecordIdInvalid	The record number is incorrect.
InvalidParameter.RemarkLengthExceeded	The length of the remarks exceeds the limit.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAdmin	You are not an admin.
OperationDenied.NotAgent	You are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

ModifyRecordStatus

Last updated : 2023-03-20 11:02:10

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to modify the DNS record status.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyRecordStatus.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
RecordId	Yes	Integer	The record ID. You can view all DNS records and their IDs via the <code>DescribeRecordList</code> API.
Status	Yes	String	Record status. Valid values: <code>ENABLE</code> , <code>DISABLE</code> . If <code>DISABLE</code> is passed in, the DNS record won't take effect, and the limit on round-robin DNS won't be verified.
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all

`Domain` and `DomainId` values via the `DescribeDomainList` API.

3. Output Parameters

Parameter Name	Type	Description
RecordId	Integer	Record ID.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Setting the record status

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyRecordStatus
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "RecordId": 161,
  "Status": "ENABLE"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "RecordId": 161
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.CustomMessage	Custom error message.
InvalidParameter.DnssecAddCnameError	DNSSEC has been enabled for this domain. You cannot add an @CNAME, URL, or framed URL record.

InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainNotAllowedModifyRecords	You cannot change the DNS record of a domain currently active or invalid.
InvalidParameter.DomainNotBeian	The domain does not have an ICP filing, so you cannot add a URL record for it.
InvalidParameter.DomainRecordExist	The record already exists and does not need to be added again.
InvalidParameter.EmailNotVerified	Sorry, the email address of your account has not been verified.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.MobileNotVerified	Sorry, the mobile number of your account has not been verified.
InvalidParameter.RecordIdInvalid	The record number is incorrect.
InvalidParameter.RecordValueInvalid	The record value is incorrect.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.SubdomainInvalid	The subdomain is incorrect.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UrlValueIllegal	Sorry, the URL failed to be added/enabled because its content did not comply with the DNSPod Terms of Service. Please contact technical support for assistance.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.

InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.AAAACountLimit	The number of AAAA records exceeds the limit.
LimitExceeded.AtNsRecordLimit	The @NS record can be set to the default split zone only.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
LimitExceeded.HiddenUrlExceeded	The DNS plan used by this domain does not support framed URL forwarding, or the number of framed URL forward records exceeds the limit. To use this feature, please purchase more records.
LimitExceeded.NsCountLimit	The number of NS records exceeds the limit.
LimitExceeded.SrvCountLimit	The number of SRV records exceeds the limit.
LimitExceeded.SubdomainLevelLimit	The number of subdomain levels exceeds the limit.
LimitExceeded.SubdomainRollLimit	The number of round-robin DNS records of the subdomain exceeds the limit.
LimitExceeded.SubdomainWcardLimit	The number of wildcard levels exceeds the limit.
LimitExceeded.UrlCountLimit	The number of URL forward records of this domain exceeds the limit. To continue using this feature, please purchase more records.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAdmin	You are not an admin.
OperationDenied.NotAgent	Your are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

DescribeRecordList

Last updated : 2023-03-20 11:02:10

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the DNS records of a domain.

A maximum of 100 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeRecordList.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	The domain for which DNS records are to be obtained.
DomainId	No	Integer	The ID of the domain whose DNS records are requested. If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.
Subdomain	No	String	The host header of a DNS record. If this parameter is passed in, only the DNS record corresponding to this host header will be returned.
RecordType	No	String	The type of DNS record, such as A, CNAME, NS, AAAA, explicit URL, implicit URL, CAA, or SPF record.

RecordLine	No	String	The name of the split zone for which DNS records are requested. You can view split zones allowed by this domain via the <code>DescribeRecordLineList</code> API.
RecordLineId	No	String	The ID of the split zone for which DNS records are requested. If <code>RecordLineId</code> is passed in, <code>RecordLine</code> is ignored. You can view split zones allowed by this domain via the <code>DescribeRecordLineList</code> API.
GroupId	No	Integer	The group ID passed in to get DNS records in the group.
Keyword	No	String	The keyword for searching for DNS records. Host headers and record values are supported.
SortField	No	String	The sorting field. Available values: <code>name</code> , <code>line</code> , <code>type</code> , <code>value</code> , <code>weight</code> , <code>mx</code> , and <code>ttd,updated_on</code> .
SortType	No	String	The sorting type. Valid values: <code>ASC</code> (ascending, default), <code>DESC</code> (descending).
Offset	No	Integer	The offset. Default value: <code>0</code> .
Limit	No	Integer	The limit. It defaults to 100 and can be up to 3,000.

3. Output Parameters

Parameter Name	Type	Description
RecordCountInfo	RecordCountInfo	The record count info.
RecordList	Array of RecordListItem	The record list result.
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Querying the DNS records of a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeRecordList
<Common request parameters>

{
  "Offset": 0,
  "Limit": 2,
  "Domain": "shenjianing.com",
  "DomainId": 123,
  "Subdomain": "www",
  "Keyword": "dnspod",
  "RecordType": "NS",
  "RecordLine": "Default",
  "RecordLineId": "0",
  "SortField": "type",
  "SortType": "ASC",
  "GroupId": 34
}
```

Output Example

```
{
  "Response": {
    "RequestId": "561cdfcb-37a6-47de-b3c5-2b038e2c2276",
    "RecordCountInfo": {
      "SubdomainCount": 2,
      "TotalCount": 2,
      "ListCount": 2
    },
    "RecordList": [
      {
        "RecordId": 556507778,
        "Value": "f1g1ns1.dnspod.net.",
        "Status": "ENABLE",
        "UpdatedOn": "2021-03-28 11:27:09",
        "Name": "@",
        "Line": "Default",
        "LineId": "0",
        "Type": "NS",
        "Weight": null,
        "MonitorStatus": "",
        "Remark": "",
        "TTL": 86400,
      }
    ]
  }
}
```

```
"MX": 0
},
{
  "RecordId": 556507779,
  "Value": "f1g1ns2.dnspod.net.",
  "Status": "ENABLE",
  "UpdatedOn": "2021-03-28 11:27:09",
  "Name": "@",
  "Line": "Default",
  "LineId": "0",
  "Type": "NS",
  "Weight": null,
  "MonitorStatus": "",
  "Remark": "",
  "TTL": 86400,
  "MX": 0
}
]
}
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	The operation failed.
FailedOperation.NotDomainOwner	You are not the domain owner.
FailedOperation.NotRealNamedUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
FailedOperation.UnknowError	The operation has no response. Try again later.
InternalError	Internal error.
InvalidParameter	Invalid parameter.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainsAlias	This domain is an alias of another domain.
InvalidParameter.OperateFailed	Operation failed. Please try again later.
InvalidParameter.ParamInvalid	Parameter format error.
InvalidParameter.RecordLineInvalid	The record split zone is incorrect.
InvalidParameter.RecordTypeInvalid	The record type is incorrect.
InvalidParameter.ResultMoreThan500	The search results contain more than 500 entries. Add one or more keywords.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.LimitInvalid	Error in number of entries per page.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

ResourceNotFound.NoDataOfRecord	Empty record list.
UnauthorizedOperation	Unauthorized operation.

DNS Query Volume APIs

DescribeSubdomainAnalytics

Last updated : 2023-04-27 15:39:09

1. API Description

Domain name for API request: `dnspod.tencentcloudapi.com`.

This API is used to collect statistics on the DNS query volume of a subdomain. It helps you understand the traffic and time period distribution and allows you to view statistics in the last three months. It is available only for domains under a paid plan.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeSubdomainAnalytics.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	The domain of the DNS query volume to be queried
StartDate	Yes	String	Query start date in the format of <code>YYYY-MM-DD</code>
EndDate	Yes	String	Query end date in the format of <code>YYYY-MM-DD</code>

Subdomain	Yes	String	The subdomain of the DNS query volume to be queried
DnsFormat	No	String	<code>DATE</code> : Daily. <code>HOURLY</code> : Hourly
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
Data	Array of DomainAnalyticsDetail	DNS query volume in the current statistical dimension
Info	SubdomainAnalyticsInfo	Statistics on the DNS query volume of a subdomain
AliasData	Array of SubdomainAliasAnalyticsItem	DNS query volume of the subdomain alias
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Collecting statistics on the DNS query volume of a subdomain

This example shows you how to collect statistics on the DNS query volume of a subdomain.

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeSubdomainAnalytics
<Common request parameters>

{
  "Domain": "example.com",
  "StartDate": "2022-06-14",
  "EndDate": "2022-06-14",
```

```
"Subdomain": "test"
}
```

Output Example

```
{
  "Response": {
    "AliasData": [],
    "Data": [
      {
        "DateKey": "20221201",
        "HourKey": null,
        "Num": 0
      }
    ],
    "Info": {
      "DnsFormat": "DATE",
      "DnsTotal": 0,
      "Domain": "zhaodapian.com",
      "EndDate": "2022-12-01",
      "StartDate": "2022-12-01",
      "Subdomain": "test"
    },
    "RequestId": "b4aca3e1-c134-4a31-bc07-408d78551449"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.DomainNotInService	Unable to get the DNS query volume because the current domain has not used the DNSPod service.
FailedOperation.TemporaryError	The number of requests is currently unavailable. Try again later.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainGradeInvalid	The domain level is incorrect.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.

Alias APIs

CreateDomainAlias

Last updated : 2023-03-20 11:02:16

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to create a domain alias.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: CreateDomainAlias.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
DomainAlias	Yes	String	Domain alias
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
DomainAliasId	Integer	Domain alias ID
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Creating a domain alias

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateDomainAlias
<Common request parameters>

{
  "Domain": "myfm.cc",
  "DomainAlias": "cc.cc"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "DomainAliasId": 16080
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainExists	The domain is already in your list. There is no need to add it again.
FailedOperation.DomainsIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainsIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.DomainOwnedByOtherUser	This domain has been added by another account and can be reclaimed in the domain list.
FailedOperation.NotRealNamedUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
FailedOperation.UnknowError	The operation has no response. Try again later.
InternalError	Internal error.
InvalidParameter	Invalid parameter.
InvalidParameter.DomainAliasExists	The alias already exists.

InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInEffectOrInvalidated	You cannot perform operations on a domain currently active or invalid.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainsAlias	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
LimitExceeded.DomainAliasCountExceeded	The number of aliases has reached the limit.
LimitExceeded.DomainAliasNumberLimit	The number of currently bound aliases has reached the limit.
MissingParameter	The parameter is missing.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
ResourceNotFound	The resource does not exist.

DeleteDomainAlias

Last updated : 2023-03-20 11:02:16

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to delete a domain alias.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteDomainAlias.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
DomainAliasId	Yes	Integer	Domain alias ID. You can view all domain aliases and their IDs via the <code>DescribeDomainAliasList</code> API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting a domain alias

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteDomainAlias
<Common request parameters>

{
  "DomainAliasId": 121212,
  "Domain": "myfm.cc"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.NotRealNamedUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
FailedOperation.UnknowError	The operation has no response. Try again later.
InternalError	Internal error.
InvalidParameter	Invalid parameter.
InvalidParameter.DomainAliasIdInvalid	The alias ID is incorrect.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInEffectOrInvalidated	You cannot perform operations on a domain currently active or invalid.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.

InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
MissingParameter	The parameter is missing.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
ResourceNotFound	The resource does not exist.

DescribeDomainAliasList

Last updated : 2023-03-20 11:02:16

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the list of domain aliases.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomainAliasList.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

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Parameter Name	Type	Description
DomainAliasList	Array of DomainAliasInfo	List of domain aliases
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the list of domain aliases

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomainAliasList
<Common request parameters>

{
  "Domain": "myfm.cc"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "DomainAliasList": [
      {
        "DomainAlias": "cc.cc",
        "Id": 16063
      }
    ]
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.NotRealNamedUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
FailedOperation.UnknowError	The operation has no response. Try again later.
InternalError	Internal error.
InvalidParameter	Invalid parameter.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.

MissingParameter	The parameter is missing.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
ResourceNotFound	The resource does not exist.
ResourceNotFound.NoDataOfDomainAlias	There is no domain alias.

Domain APIs

CreateDomain

Last updated : 2023-04-27 15:39:08

1. API Description

Domain name for API request: `dnspod.tencentcloudapi.com`.

This API is used to add a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: <code>CreateDomain</code> .
Version	Yes	String	Common Params . The value used for this API: <code>2021-03-23</code> .
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
GroupId	No	Integer	The group ID of the domain. You can view the group information of this domain via the <code>DescribeDomainGroupList</code> API.
IsMark	No	String	Whether the domain is starred. Valid values: <code>yes</code> , <code>no</code> .

3. Output Parameters

Parameter Name	Type	Description
DomainInfo	DomainCreateInfo	Domain information
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Adding a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateDomain
<Common request parameters>

{
  "Domain": "dnspod.com",
  "IsMark": "no",
  "GroupId": 2
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "DomainInfo": {
      "Id": 62,
      "Punycode": "dnspod.com",
      "Domain": "dnspod.com",
      "GradeNsList": [
        "source.dnspod.net",
        "low.dnspod.net"
      ]
    }
  }
}
```

Example2 CreateDomain_success

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateDomain
<Common request parameters>

{
  "Domain": "iceice.club"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "674a208e-4829-4c2d-a519-a85f2f9bb223",
    "DomainInfo": {
      "GradeNsList": [
        "eunice.dnspod.net",
        "country.dnspod.net"
      ],
      "Id": 15,
      "Punycode": "iceice.club",
      "Domain": "iceice.club"
    }
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)

- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainExists	The domain is already in your list. There is no need to add it again.
FailedOperation.DomainOwnedByOtherUser	This domain has been added by another account and can be reclaimed in the domain list.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.AccountIsBanned	Your account is banned by the system. Please contact us if you have any questions.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainsIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainNotReged	The domain has not been registered and cannot be added.
InvalidParameter.EmailNotVerified	Sorry, the email address of your account has not been verified.
InvalidParameter.QuhuiTxtNotMatch	
InvalidParameter.QuhuiTxtRecordWait	The TXT record was not set or has not taken effect. Try again later.
InvalidParameter.ToolsDomainInvalid	The domain is invalid.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.

DeleteDomain

Last updated : 2023-03-20 11:02:14

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to delete a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteDomain.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Deleting the domain `dnspod.com`

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteDomain
<Common request parameters>

{
  "Domain": "dnspod.com"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

Example2 Deleting the domain `iceice.club`

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteDomain
<Common request parameters>

{
  "Domain": "iceice.club"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "5d459ba8-f335-4508-b6b2-efed8b531c8c"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsKeyDomain	This domain is a key protected resource in DNSPod. To prevent the service from being affected by maloperations, you cannot delete it. If you are sure you need to delete it, please contact your sales rep for technical support.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.

FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.DomainIsVip	You cannot perform this operation on a VIP domain.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.AccountIsBanned	Your account is banned by the system. Please contact us if you have any questions.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInEffectOrInvalidated	You cannot perform operations on a domain currently active or invalid.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.

DeleteShareDomain

Last updated : 2023-03-20 11:02:14

1. API Description

Domain name for API request: `dnspod.tencentcloudapi.com`.

This API is used to unshare a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DeleteShareDomain.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
Account	Yes	String	Account of the domain to be shared
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Unsharing a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DeleteShareDomain
<Common request parameters>

{
  "Domain": "dnspod.com",
  "Account": "qcloud_uin_100000014226@qcloud.com"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)

- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainsSpam	You cannot perform this operation on a banned domain.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainsAliaser	This domain is an alias of another domain.
InvalidParameter.EmailInvalid	The email address is incorrect.
InvalidParameter.EmailOrQqInvalid	Enter a valid email address or UIN.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.

DescribeDomain

Last updated : 2023-03-20 11:02:14

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the information of a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomain.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
DomainInfo	DomainInfo	Domain information
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the information of a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomain
<Common request parameters>

{
  "Domain": "dnspod.com"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "DomainInfo": {
      "DnspodNsList": [
        "source.dnspod.net",
        "low.dnspod.net"
      ],
      "ActualNsList": [
        "f1g1ns1.dnspod.net",
        "f1g1ns2.dnspod.net"
      ],
      "RecordCount": 2,
      "DomainId": 61,
      "DnsStatus": "dnsererror",
      "IsVip": "no",
      "Punycode": "tencent8.com",
      "Grade": "DP_FREE",
```

```
"GradeLevel": 2,
"GradeTitle": "Free Version",
"Status": "enable",
"GroupId": 1,
"IsMark": "no",
"Remark": "",
"UserId": 1,
"CreatedOn": "2021-04-06 15:51:45",
"UpdatedOn": "2021-04-06 15:51:45",
"TTL": 600,
"Owner": "qcloud_uin_100000014226@qcloud.com",
"CnameSpeedup": "disable",
"Uin": "100000014226",
"OwnerNick": "Loccser",
"Domain": "tencent8.com"
}
}
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

DescribeDomainLogList

Last updated : 2023-03-20 11:02:14

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the log of a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomainLogList.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.
Offset	No	Integer	Record offset starting from <code>0</code> . Default value: <code>0</code> .
Limit	No	Integer	Total number of logs to be obtained. For example, <code>20</code> indicates to obtain 20 logs. Default value: <code>500</code> . Maximum value: <code>500</code> .

3. Output Parameters

Parameter Name	Type	Description
LogList	Array of String	Domain information Note: This field may return null, indicating that no valid values can be obtained.
PageSize	Integer	Number of results per page
TotalCount	Integer	Total number of logs
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the log of a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomainLogList
<Common request parameters>

{
  "Domain": "test.com",
  "Limit": 100,
  "Offset": 0
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "LogList": [
      "2021-01-18 12:06:11: (111.111.111.111) Add A record line Default ftp value 64.14 4.7.51"
    ],
    "PageSize": 100,
  }
}
```

```
"TotalCount": 1
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

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- [Tencent Cloud SDK 3.0 for PHP](#)
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- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.

OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

DescribeDomainPurview

Last updated : 2023-03-20 11:02:13

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the permissions of a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomainPurview.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

--	--	--

Parameter Name	Type	Description
PurviewList	Array of PurviewInfo	Permission list of the domain
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the permissions of a domain

This example shows you how to get the permissions of a domain.

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomainPurview
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "PurviewList": [
      {
        "Name": "URL Forward",
        "Value": "10"
      },
      {
        "Name": "NS record count",
        "Value": "1999"
      },
      {
        "Name": "AAAA record count",
```

```
"Value": "1999"
},
{
  "Name": "SRV record count",
  "Value": "1999"
},
{
  "Name": "domain alias count",
  "Value": "10"
},
{
  "Name": "max domain lock days",
  "Value": "365"
},
{
  "Name": "max domain share count",
  "Value": "1000"
},
{
  "Name": "max sub domain level",
  "Value": "12"
},
{
  "Name": "max Spread Record level",
  "Value": "10"
},
{
  "Name": "max DNS balance count",
  "Value": "60"
},
{
  "Name": "min TTL value",
  "Value": "1"
},
{
  "Name": "enable mix Spread Reserved",
  "Value": "yes"
},
{
  "Name": "enhanced split zone type",
  "Value": "yes"
},
{
  "Name": "split zone type by province",
  "Value": "yes"
},
{
```

```
"Name": "split zone type by continent",
"Value": "yes"
}
]
}
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.

InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainsIsAliaser	This domain is an alias of another domain.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAgent	You are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

DescribeDomainShareInfo

Last updated : 2023-03-20 11:02:13

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to get the domain sharing information.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomainShareInfo.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
ShareList	Array of DomainShareInfo	Domain sharing information
Owner	String	Owner account of the domain
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the domain sharing information

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomainShareInfo
<Common request parameters>

{
  "Domain": "dnspod.com"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "ShareList": [
      {
        "ShareTo": "qcloud_uin_100000014227@qcloud.com",
        "Mode": "r",
        "Status": "enabled"
      }
    ],
    "Owner": "qcloud_uin_100000014226@qcloud.com"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

ModifyDomainLock

Last updated : 2023-03-20 11:02:13

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to lock a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyDomainLock.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
LockDays	Yes	Integer	Number of days to lock the domain. The maximum number of locked days can be obtained by calling the API for getting the permissions of a domain.
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
LockInfo	LockInfo	Domain lock information
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Locking a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyDomainLock
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "LockDays": 30
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166",
    "LockInfo": {
      "DomainId": 62,
      "LockCode": "M3xkbnNwb2Quc2l0ZXwxNjE3MzMwODMwfDhlMTkyODZlOGJjMjU4MDBlNjVlZDA1NDZhZjM4NzJm",
      "LockEnd": "2021-05-02"
    }
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
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- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.

InvalidParameter.DomainNotAllowedLock	Currently, the domain cannot be locked.
InvalidParameter.LockDaysInvalid	The locking period is incorrect.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAgent	You are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

ModifyDomainOwner

Last updated : 2023-03-20 11:02:13

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to transfer ownership of a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyDomainOwner.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
Account	Yes	String	The account to which to transfer the domain, which can be an UIN or email address
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Transferring ownership of a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyDomainOwner
<Common request parameters>

{
  "Domain": "dnspod.com",
  "Account": "test@gmail.com"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)
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- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation	The operation failed.
FailedOperation.DomainsIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainsIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.DomainsIsVip	You cannot perform this operation on a VIP domain.
FailedOperation.TransferToEnterpriseDenied	Failed to transfer to the enterprise account.
FailedOperation.TransferToPersonDenied	Failed to transfer to the personal account.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainsAliaser	This domain is an alias of another domain.
InvalidParameter.EmailInvalid	The email address is incorrect.
InvalidParameter.EmailOrQqInvalid	Enter a valid email address or UIN.
InvalidParameter.EmailSame	The domain is already under the account.
InvalidParameter.OtherAccountUnrealName	Your account identity has not been verified. Complete identity

	verification first before performing this operation.
InvalidParameter.QcloudUinInvalid	The user UIN is invalid.
InvalidParameter.UserAreaInvalid	The account is not a Tencent Cloud user.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.

ModifyDomainRemark

Last updated : 2023-03-20 11:02:13

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to set the remarks of a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyDomainRemark.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.
Remark	No	String	Domain remarks. To delete the remarks, submit empty content.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Setting the remarks of a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyDomainRemark
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "Remark": "This is the dedicated domain of XXX"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for Java](#)

- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RemarkTooLong	The remarks are too long (max 200 characters).
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.

InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAgent	You are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

ModifyDomainStatus

Last updated : 2023-03-20 11:02:13

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to modify the status of a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyDomainStatus.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
Status	Yes	String	Domain status. Valid values: enable; disable.
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Modifying the status of a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyDomainStatus
<Common request parameters>

{
  "Domain": "dnspod.com",
  "Status": "disable"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

5. Developer Resources

SDK

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- [Tencent Cloud SDK 3.0 for PHP](#)

- [Tencent Cloud SDK 3.0 for Go](#)
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- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsKeyDomain	This domain is a key protected resource in DNSPod. To prevent the service from being affected by maloperations, you cannot delete it. If you are sure you need to delete it, please contact your sales rep for technical support.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.ToolsDomainInvalid	The domain is invalid.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.

ModifyDomainUnlock

Last updated : 2023-03-20 11:02:12

1. API Description

Domain name for API request: dnspod.tencentcloudapi.com.

This API is used to unlock a domain.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: ModifyDomainUnlock.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Domain	Yes	String	Domain
LockCode	Yes	String	Domain unlock code, which will be returned when the domain is locked.
DomainId	No	Integer	The domain ID. <code>DomainId</code> takes priority over <code>Domain</code> . If <code>DomainId</code> is passed in, <code>Domain</code> is ignored. You can view all <code>Domain</code> and <code>DomainId</code> values via the <code>DescribeDomainList</code> API.

3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Unlocking a domain

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyDomainUnlock
<Common request parameters>

{
  "Domain": "dnspod.site",
  "DomainId": 62,
  "LockCode": "M3xkbnNwb2Quc2l0ZXwxNjE3MzMwNjQzfgZhyjA3YTI0ODcwNzIzMmNjNjI5YzZhNzA1ZmMxOGY1"
}
```

Output Example

```
{
  "Response": {
    "RequestId": "ab4f1426-ea15-42ea-8183-dc1b44151166"
  }
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)

- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnspod.cn.
InvalidParameter.DomainIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainIsNotlocked	The domain is not locked.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.

InvalidParameter.UnLockCodeExpired	The unlock code has expired.
InvalidParameter.UnLockCodeInvalid	The unlock code is incorrect.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAgent	You are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.

DescribeDomainList

Last updated : 2023-04-27 15:39:08

1. API Description

Domain name for API request: `dnspod.tencentcloudapi.com`.

This API is used to get the list of domains.

A maximum of 20 requests can be initiated per second for this API.

We recommend you to use API Explorer

[Try it](#)

API Explorer provides a range of capabilities, including online call, signature authentication, SDK code generation, and API quick search. It enables you to view the request, response, and auto-generated examples.

2. Input Parameters

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

Parameter Name	Required	Type	Description
Action	Yes	String	Common Params . The value used for this API: DescribeDomainList.
Version	Yes	String	Common Params . The value used for this API: 2021-03-23.
Region	No	String	Common Params . This parameter is not required for this API.
Type	No	String	The domain group type. Valid values: <code>ALL</code> (default), <code>MINE</code> , <code>SHARE</code> , <code>ISMARK</code> , <code>PAUSE</code> , <code>VIP</code> , <code>RECENT</code> , <code>SHARE_OUT</code> , and <code>FREE</code> .
Offset	No	Integer	Record offset starting from <code>0</code> . Default value: <code>0</code> .
Limit	No	Integer	Number of domains to be obtained. For example, <code>20</code> indicates to obtain 20 domains. Default value: <code>3000</code> .
GroupId	No	Integer	Group ID, which can be passed in to get all domains in the specified group

Keyword	No	String	Keyword for searching for a domain
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3. Output Parameters

Parameter Name	Type	Description
DomainCountInfo	DomainCountInfo	Statistics on the list page
DomainList	Array of DomainListItem	Domain list
RequestId	String	The unique request ID, which is returned for each request. RequestId is required for locating a problem.

4. Example

Example1 Getting the list of domains

This example shows you how to get the list of domains.

Input Example

```
POST / HTTP/1.1
Host: dnspod.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DescribeDomainList
<Common request parameters>

{
  "Type": "ALL",
  "Keyword": "dnspod",
  "Limit": 1,
  "Offset": 0,
  "GroupId": 1
}
```

Output Example

```
{
  "Response": {
    "DomainCountInfo": {
      "AllTotal": 35,
```

```
"DomainTotal": 1,
"ErrorTotal": 28,
"GroupTotal": 0,
"LockTotal": 1,
"MineTotal": 28,
"PauseTotal": 1,
"ShareOutTotal": 4,
"ShareTotal": 7,
"SpamTotal": 0,
"VipExpire": 0,
"VipTotal": 4
},
"DomainList": [
{
"CNAMESpeedup": "DISABLE",
"CreatedOn": "2021-05-06 20:40:39",
"DNSStatus": "DNSERROR",
"DomainId": 12614766,
"EffectiveDNS": [
"ns3.dnsv5.com",
"ns4.dnsv5.com"
],
"Grade": "DP_ULTRA",
"GradeLevel": 10,
"GradeTitle": "Premium",
"GroupId": 1,
"IsVip": "YES",
"Name": "dnspod.com",
"Owner": "qcloud_uin_000000000@qcloud.com",
"Punycode": "dnspod.com",
"RecordCount": 0,
"Remark": "",
"SearchEnginePush": "NO",
"Status": "ENABLE",
"TTL": 600,
"UpdatedOn": "2023-03-09 11:51:56",
"VipAutoRenew": "YES",
"VipEndAt": "2024-01-16 15:56:31",
"VipStartAt": "2023-01-16 15:56:31"
}
],
"RequestId": "bfb3f27e-4dba-4a5c-9aff-08d1c27d1c61"
}
```

5. Developer Resources

SDK

TencentCloud API 3.0 integrates SDKs that support various programming languages to make it easier for you to call APIs.

- [Tencent Cloud SDK 3.0 for Python](#)
- [Tencent Cloud SDK 3.0 for Java](#)
- [Tencent Cloud SDK 3.0 for PHP](#)
- [Tencent Cloud SDK 3.0 for Go](#)
- [Tencent Cloud SDK 3.0 for NodeJS](#)
- [Tencent Cloud SDK 3.0 for .NET](#)
- [Tencent Cloud SDK 3.0 for C++](#)

Command Line Interface

- [Tencent Cloud CLI 3.0](#)

6. Error Code

The following only lists the error codes related to the API business logic. For other error codes, see [Common Error Codes](#).

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation	The operation failed.
FailedOperation.NotRealNamedUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
FailedOperation.UnknowError	The operation has no response. Try again later.
InternalError	Internal error.
InvalidParameter	Invalid parameter.
InvalidParameter.GroupIdInvalid	The group ID is incorrect.
InvalidParameter.OffsetInvalid	The pagination offset value is incorrect.
InvalidParameter.OperateFailed	Operation failed. Please try again later.

InvalidParameter.ResultMoreThan500	The search results contain more than 500 entries. Add one or more keywords.
InvalidParameterValue.LimitInvalid	Error in number of entries per page.
OperationDenied.AccessDenied	You have no permission for this operation.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.
UnauthorizedOperation	Unauthorized operation.

Data Types

Last updated : 2023-04-27 15:39:09

AddRecordBatch

Records to be bulk added

Used by actions: CreateRecordBatch.

Name	Type	Required	Description
RecordType	String	Yes	Record type. For more information, see the <code>DescribeRecordType</code> API.
Value	String	Yes	Record value.
SubDomain	String	No	Subdomain (host record), which is <code>@</code> by default.
RecordLine	String	No	Split zone of the DNS record. For more information, see the <code>DescribeRecordLineList</code> API. If neither <code>RecordLine</code> nor <code>RecordLineId</code> is specified, the default split zone will be used.
RecordLineId	String	No	Split zone ID of the DNS record. If both <code>RecordLine</code> and <code>RecordLineId</code> are specified, <code>RecordLineId</code> will be used.
Weight	Integer	No	The record weight (not supported).
MX	Integer	No	MX record value. It is <code>0</code> by default for non-MX records and required for MX records.
TTL	Integer	No	TTL value of the record, which is <code>600</code> by default.
Enabled	Integer	No	Record status (not supported). Valid values: <code>0</code> (disabled); <code>1</code> (enabled). Default value: <code>1</code> .
Remark	String	No	Record remarks (not supported).

BatchRecordInfo

Record information in the bulk task

Used by actions: ModifyRecordBatch.

Name	Type	Description
RecordId	Integer	Record ID Note: This field may return null, indicating that no valid values can be obtained.
SubDomain	String	Subdomain (host record). Note: This field may return null, indicating that no valid values can be obtained.
RecordType	String	Record type. For more information, see the <code>DescribeRecordType</code> API. Note: This field may return null, indicating that no valid values can be obtained.
RecordLine	String	Split zone of the DNS record. For more information, see the <code>DescribeRecordLineList</code> API. Note: This field may return null, indicating that no valid values can be obtained.
Value	String	Record value Note: This field may return null, indicating that no valid values can be obtained.
TTL	Integer	TTL value of the record Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Record adding status Note: This field may return null, indicating that no valid values can be obtained.
Operation	String	Operation type Note: This field may return null, indicating that no valid values can be obtained.
ErrMsg	String	Error message Note: This field may return null, indicating that no valid values can be obtained.
Id	Integer	ID of the record in the list
Enabled	Integer	Record status Note: This field may return null, indicating that no valid values can be obtained.
MX	Integer	MX weight of the record Note: This field may return null, indicating that no valid values can be obtained.
Weight	Integer	The record weight. Note: This field may return null, indicating that no valid values can be obtained.

CreateDomainBatchDetail

Response structure for bulk adding domains

Used by actions: CreateDomainBatch.

Name	Type	Description
RecordList	Array of CreateDomainBatchRecord	See <code>RecordInfoBatch</code> . Note: This field may return null, indicating that no valid values can be obtained.
Id	Integer	Task ID
Domain	String	Domain Note: This field may return null, indicating that no valid values can be obtained.
DomainGrade	String	Domain level Note: This field may return null, indicating that no valid values can be obtained.
ErrMsg	String	Error message Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Task running status Note: This field may return null, indicating that no valid values can be obtained.
Operation	String	Operation type Note: This field may return null, indicating that no valid values can be obtained.

CreateDomainBatchRecord

Record information in the task of bulk adding domains

Used by actions: `CreateDomainBatch`.

Name	Type	Description
SubDomain	String	Subdomain (host record). Note: This field may return null, indicating that no valid values can be obtained.
RecordType	String	Record type. For more information, see the <code>DescribeRecordType</code> API. Note: This field may return null, indicating that no valid values can be obtained.
RecordLine	String	Split zone of the DNS record. For more information, see the <code>DescribeRecordLineList</code> API. Note: This field may return null, indicating that no valid values can be obtained.

Value	String	Record value Note: This field may return null, indicating that no valid values can be obtained.
TTL	Integer	TTL value of the record Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Record adding status Note: This field may return null, indicating that no valid values can be obtained.
Operation	String	Operation type Note: This field may return null, indicating that no valid values can be obtained.
ErrMsg	String	Error message Note: This field may return null, indicating that no valid values can be obtained.
Id	Integer	ID of the record in the list

CreateRecordBatchDetail

Response structure for bulk adding records

Used by actions: CreateRecordBatch.

Name	Type	Description
RecordList	Array of CreateRecordBatchRecord	See <code>RecordInfoBatch</code> . Note: This field may return null, indicating that no valid values can be obtained.
Id	Integer	Task ID
Domain	String	Domain Note: This field may return null, indicating that no valid values can be obtained.
DomainGrade	String	Domain level Note: This field may return null, indicating that no valid values can be obtained.
ErrMsg	String	Error message Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Task running status Note: This field may return null, indicating that no valid values

		can be obtained.
Operation	String	Operation type Note: This field may return null, indicating that no valid values can be obtained.
DomainId	Integer	Domain ID Note: This field may return null, indicating that no valid values can be obtained.

CreateRecordBatchRecord

Record information in the task of bulk adding records

Used by actions: CreateRecordBatch.

Name	Type	Description
SubDomain	String	Subdomain (host record). Note: This field may return null, indicating that no valid values can be obtained.
RecordType	String	Record type. For more information, see the <code>DescribeRecordType</code> API. Note: This field may return null, indicating that no valid values can be obtained.
RecordLine	String	Split zone of the DNS record. For more information, see the <code>DescribeRecordLineList</code> API. Note: This field may return null, indicating that no valid values can be obtained.
Value	String	Record value Note: This field may return null, indicating that no valid values can be obtained.
TTL	Integer	TTL value of the record Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Record adding status Note: This field may return null, indicating that no valid values can be obtained.
Operation	String	Operation type Note: This field may return null, indicating that no valid values can be obtained.
ErrMsg	String	Error message Note: This field may return null, indicating that no valid values can be obtained.
Id	Integer	ID of the record in the list
MX	Integer	MX weight of the record

		Note: This field may return null, indicating that no valid values can be obtained.
Weight	Integer	The record weight. Note: This field may return null, indicating that no valid values can be obtained.

DeleteDomainBatchDetail

Details of batch deleting domains

Used by actions: DeleteDomainBatch.

Name	Type	Description
DomainId	Integer	The domain ID.
Domain	String	The domain name.
Error	String	The error message. Note: This field may return null, indicating that no valid values can be obtained.
Status	String	The domain deletion status.
Operation	String	The operation.

DomainAliasInfo

Information of a domain alias

Used by actions: DescribeDomainAliasList.

Name	Type	Description
Id	Integer	Domain alias ID
DomainAlias	String	Domain alias

DomainAnalyticsDetail

DNS query volume in the current statistical dimension

Used by actions: DescribeSubdomainAnalytics.

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Name	Type	Description
Num	Integer	DNS query volume in the current statistical dimension
DateKey	String	Collection date for daily collection
HourKey	Integer	The last hour (0-23) for hourly collection. For example, if <code>HourKey</code> is <code>23</code> , the DNS query volume in the statistical period of 22:00-23:00 will be collected. Note: This field may return null, indicating that no valid values can be obtained.

DomainCountInfo

List statistics by page

Used by actions: DescribeDomainList.

Name	Type	Description
DomainTotal	Integer	Number of eligible domains
AllTotal	Integer	Number of all domains that can be viewed by the user
MineTotal	Integer	Number of domains added under the user account
ShareTotal	Integer	Number of domains shared with the user
VipTotal	Integer	Number of paid domains
PauseTotal	Integer	Number of suspended domains
ErrorTotal	Integer	Number of domains with a DNS configuration error
LockTotal	Integer	Number of locked domains
SpamTotal	Integer	Number of blocked domains
VipExpire	Integer	Number of domains that will expire within 30 days
ShareOutTotal	Integer	Number of domains shared with others
GroupTotal	Integer	Number of domains in the specified group

DomainCreateInfo

Domain information returned during domain creation

Used by actions: CreateDomain.

Name	Type	Description
Id	Integer	Domain ID
Domain	String	Domain
Punycode	String	Domain Punycode
GradeNsList	Array of String	NS list of the domain

DomainInfo

Domain details

Used by actions: DescribeDomain.

Name	Type	Description
DomainId	Integer	Domain ID
Status	String	Domain status
Grade	String	DNS plan level
GroupId	Integer	Domain group ID
IsMark	String	Whether the domain is starred
TTL	Integer	TTL (DNS record cache time)
CnameSpeedup	String	Whether CNAME flattening is enabled
Remark	String	Domain remarks Note: This field may return null, indicating that no valid values can be obtained.
Punycode	String	Domain Punycode
DnsStatus	String	DNS status of the domain
DnsPodNsList	Array of String	NS list of the domain

Domain	String	Domain
GradeLevel	Integer	Domain level ID
UserId	Integer	Domain user ID
IsVip	String	Whether the domain is a VIP domain
Owner	String	Domain owner account
GradeTitle	String	Domain level description
CreatedOn	Timestamp	Domain creation time
UpdatedOn	Timestamp	Last update time
Uin	String	Tencent Cloud account <code>Uin</code>
ActualNsList	Array of String	NS list actually used by the domain Note: This field may return null, indicating that no valid values can be obtained.
RecordCount	Integer	Number of domain records
OwnerNick	String	Alias of the domain account owner Note: This field may return null, indicating that no valid values can be obtained.

DomainListItem

Element in the domain list

Used by actions: DescribeDomainList.

Name	Type	Description
DomainId	Integer	Unique ID assigned to the domain by the system
Name	String	Original format of the domain
Status	String	Domain status. Valid values: <code>ENABLE</code> (normal), <code>PAUSE</code> (suspended), <code>SPAM</code> (blocked).
TTL	Integer	Default TTL of the default DNS record of the domain
CNAMESpeedup	String	Whether CNAME flattening is enabled. Valid values: <code>ENABLE</code>

		(enabled); <code>DISABLE</code> (disabled).
DNSStatus	String	DNS configuration status. Valid values: <code>DNSERROR</code> (error), an empty string (normal).
Grade	String	Plan level code of the domain
GroupId	Integer	Group ID of the domain
SearchEnginePush	String	Whether search engine push optimization is enabled. Valid values: <code>YES</code> (yes), <code>NO</code> (no).
Remark	String	Domain remarks
Punycode	String	Punycode-encoded domain format
EffectiveDNS	Array of String	Effective DNS assigned to the domain by the system
GradeLevel	Integer	Number corresponding to the plan level of the domain
GradeTitle	String	Plan name
IsVip	String	Whether it is a paid plan
VipStartAt	Timestamp	Activation time of the paid plan
VipEndAt	Timestamp	Expiry time of the paid plan
VipAutoRenew	String	Whether VIP automatic renewal is enabled for the domain. Valid values: <code>YES</code> (yes); <code>NO</code> (no). Default value: <code>DEFAULT</code> .
RecordCount	Integer	Number of records under the domain
CreatedOn	Timestamp	Domain adding time
UpdatedOn	Timestamp	Domain update time
Owner	String	Account of the domain

DomainShareInfo

Domain sharing information

Used by actions: DescribeDomainShareInfo.

Name	Type	Description
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ShareTo	String	Account with which the domain is shared
Mode	String	Sharing mode. Valid values: <code>rw</code> (read/write), <code>r</code> (read-only).
Status	String	Sharing status. Valid values: <code>enabled</code> (shared successfully); <code>pending</code> (the account shared to does not exist and is pending registration).

GroupInfo

List of domain groups

Used by actions: DescribeDomainGroupList.

Name	Type	Description
GroupId	Integer	Group ID
GroupName	String	Group name
GroupType	String	Group type
Size	Integer	Number of domains in the group

LineGroupInfo

Information of a split zone group

Used by actions: DescribeRecordLineList.

Name	Type	Description
LineId	String	Split zone group ID
Name	String	Split zone group name
Type	String	Group type
LineList	Array of String	List of split zones in the split zone group

LineInfo

Information of a split zone

Used by actions: DescribeRecordLineList.

Name	Type	Description
Name	String	Split zone name
LineId	String	Split zone ID

LockInfo

Domain lock information

Used by actions: ModifyDomainLock.

Name	Type	Description
DomainId	Integer	Domain ID
LockCode	String	Domain unlock code
LockEnd	Date	Automatic unlock date of the domain

ModifyRecordBatchDetail

Response structure for bulk adding records

Used by actions: ModifyRecordBatch.

Name	Type	Description
RecordList	Array of BatchRecordInfo	See <code>RecordInfoBatchModify</code> . Note: This field may return null, indicating that no valid values can be obtained.
Id	Integer	Task ID
Domain	String	Domain Note: This field may return null, indicating that no valid values can be obtained.
DomainGrade	String	Domain level Note: This field may return null, indicating that no valid values can be

		obtained.
ErrMsg	String	Error message Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Task running status Note: This field may return null, indicating that no valid values can be obtained.
Operation	String	Operation type Note: This field may return null, indicating that no valid values can be obtained.
DomainId	Integer	Domain ID Note: This field may return null, indicating that no valid values can be obtained.

PurviewInfo

Domain permission

Used by actions: DescribeDomainPurview.

Name	Type	Description
Name	String	Permission name
Value	String	Permission value

RecordCountInfo

Count info of the queried record list

Used by actions: DescribeRecordList.

Name	Type	Description
SubdomainCount	Integer	The subdomain count.
ListCount	Integer	The count of records returned in the list.
TotalCount	Integer	The total record count.

RecordGroupInfo

Information of a DNS record group

Used by actions: DescribeRecordGroupList.

Name	Type	Description
GroupId	Integer	Group ID
GroupName	String	Group name
GroupType	String	Group type. Valid values: <code>system</code> , <code>user</code> .

RecordInfo

Record information

Used by actions: DescribeRecord.

Name	Type	Description
Id	Integer	Record ID.
SubDomain	String	Subdomain (host record).
RecordType	String	Record type. For more information, see the <code>DescribeRecordType</code> API.
RecordLine	String	Split zone of the DNS record. For more information, see the <code>DescribeRecordLineList</code> API.
RecordLineId	String	Split zone ID of the DNS record. For more information, see the <code>DescribeRecordLineList</code> API.
Value	String	Record value.
Weight	Integer	Record weight. Note: This field may return null, indicating that no valid values can be obtained.
MX	Integer	MX record value. It is 0 by default for non-MX records.
TTL	Integer	TTL value of the record.
Enabled	Integer	Record status. Valid values: 0 (disabled); 1 (enabled).
MonitorStatus	String	D-Monitor status of the record.

		"Ok" : The server is normal. "Warn" : There is an alarm on this record, and the server returns 4XX. "Down" : The server is down. "" : D-Monitor is disabled for this record.
Remark	String	Record remarks. Note: This field may return null, indicating that no valid values can be obtained.
UpdatedOn	Timestamp	Last update time of the record.
DomainId	Integer	Domain ID.

RecordListItem

Record list elements

Used by actions: DescribeRecordList.

Name	Type	Description
RecordId	Integer	The record ID.
Value	String	The record value.
Status	String	The record status. Valid values: <code>ENABLE</code> (enabled), <code>DISABLE</code> (disabled).
UpdatedOn	Timestamp	The update time.
Name	String	The host name.
Line	String	The record split zone.
LineId	String	The split zone ID.
Type	String	The record type.
Weight	Integer	The record weight, which is required for round-robin DNS records. Note: This field may return null, indicating that no valid values can be obtained.
MonitorStatus	String	The monitoring status of the record. Valid values: <code>OK</code> (normal), <code>WARN</code> (warning), and <code>DOWN</code> (downtime). It is empty if no monitoring is set or the monitoring is suspended.
Remark	String	The record remarks.
TTL	Integer	The record cache time.

MX	Integer	The MX value, applicable to the MX record only. Note: This field may return null, indicating that no valid values can be obtained.
DefaultNS	Boolean	Whether it is a default NS record.

SubdomainAliasAnalyticsItem

DNS query volume of the subdomain alias

Used by actions: DescribeSubdomainAnalytics.

Name	Type	Description
Info	SubdomainAnalyticsInfo	Statistics on the DNS query volume of a subdomain
Data	Array of DomainAnalyticsDetail	DNS query volume in the current statistical dimension

SubdomainAnalyticsInfo

Statistics on the DNS query volume of a subdomain

Used by actions: DescribeSubdomainAnalytics.

Name	Type	Description
DnsFormat	String	<code>DATE</code> : Daily; <code>HOUR</code> : Hourly
DnsTotal	Integer	Total DNS query volume for the current statistical period
Domain	String	The queried domain
StartDate	String	Start date of the current statistical period
EndDate	String	End date of the current statistical period
Subdomain	String	Subdomain

Error Codes

Last updated : 2023-04-27 15:39:09

Feature Description

If there is an Error field in the response, it means that the API call failed. For example:

```
{
  "Response": {
    "Error": {
      "Code": "AuthFailure.SignatureFailure",
      "Message": "The provided credentials could not be validated. Please check your signature is correct."
    },
    "RequestId": "ed93f3cb-f35e-473f-b9f3-0d451b8b79c6"
  }
}
```

Code in Error indicates the error code, and Message indicates the specific information of the error.

Error Code List

Common Error Codes

Error Code	Description
ActionOffline	This API has been deprecated.
AuthFailure.InvalidAuthorization	<code>Authorization</code> in the request header is invalid.
AuthFailure.InvalidSecretId	Invalid key (not a TencentCloud API key type).
AuthFailure.MFAFailure	MFA failed.
AuthFailure.SecretIdNotFound	Key does not exist. Check if the key has been deleted or disabled in the console, and if not, check if the key is correctly entered. Note that whitespaces should not exist before or after the key.
AuthFailure.SignatureExpire	Signature expired. Timestamp and server time cannot differ by more than five minutes. Please

	ensure your current local time matches the standard time.
AuthFailure.SignatureFailure	Invalid signature. Signature calculation error. Please ensure you've followed the signature calculation process described in the Signature API documentation.
AuthFailure.TokenFailure	Token error.
AuthFailure.UnauthorizedOperation	The request is not authorized. For more information, see the CAM documentation.
DryRunOperation	DryRun Operation. It means that the request would have succeeded, but the DryRun parameter was used.
FailedOperation	Operation failed.
InternalError	Internal error.
InvalidAction	The API does not exist.
InvalidParameter	Incorrect parameter.
InvalidParameterValue	Invalid parameter value.
InvalidRequest	The multipart format of the request body is incorrect.
IpInBlacklist	Your IP is in uin IP blacklist.
IpNotInWhitelist	Your IP is not in uin IP whitelist.
LimitExceeded	Quota limit exceeded.
MissingParameter	A parameter is missing.
NoSuchProduct	The product does not exist.
NoSuchVersion	The API version does not exist.
RequestLimitExceeded	The number of requests exceeds the frequency limit.
RequestLimitExceeded.GlobalRegionUinLimitExceeded	Uin exceeds the frequency limit.
RequestLimitExceeded.IPLimitExceeded	The number of ip requests exceeds the frequency limit.
RequestLimitExceeded.UinLimitExceeded	The number of uin requests exceeds the frequency

	limit.
RequestSizeLimitExceeded	The request size exceeds the upper limit.
ResourceInUse	Resource is in use.
ResourceInsufficient	Insufficient resource.
ResourceNotFound	The resource does not exist.
ResourceUnavailable	Resource is unavailable.
ResponseSizeLimitExceeded	The response size exceeds the upper limit.
ServiceUnavailable	Service is unavailable now.
UnauthorizedOperation	Unauthorized operation.
UnknownParameter	Unknown parameter.
UnsupportedOperation	Unsupported operation.
UnsupportedProtocol	HTTP(S) request protocol error; only GET and POST requests are supported.
UnsupportedRegion	API does not support the requested region.

Service Error Codes

Error Code	Description
AuthFailure	CAM signature/authentication error.
FailedOperation.DomainExists	The domain is already in your list. There is no need to add it again.
FailedOperation.DomainIsKeyDomain	This domain is a key protected resource in DNSPod. To prevent the service from being affected by maloperations, you cannot delete it. If you are sure you need to delete it, please contact your sales rep for technical support.
FailedOperation.DomainIsLocked	You cannot perform this operation on a locked domain.
FailedOperation.DomainIsSpam	You cannot perform this operation on a banned domain.

FailedOperation.DomainsIsVip	You cannot perform this operation on a VIP domain.
FailedOperation.DomainNotInService	Unable to get the DNS query volume because the current domain has not used the DNSPod service.
FailedOperation.DomainOwnedByOtherUser	This domain has been added by another account and can be reclaimed in the domain list.
FailedOperation.LoginAreaNotAllowed	The request was rejected due to an unusual login location of your account.
FailedOperation.LoginFailed	Login failed. Check whether the account and password are correct.
FailedOperation.NotDomainOwner	You are not the domain owner.
FailedOperation.NotRealNamedUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
FailedOperation.TemporaryError	The number of requests is currently unavailable. Try again later.
FailedOperation.TransferToEnterpriseDenied	Failed to transfer to the enterprise account.
FailedOperation.TransferToPersonDenied	Failed to transfer to the personal account.
FailedOperation.UnknowError	The operation has no response. Try again later.
InvalidParameter.AccountIsBanned	Your account is banned by the system. Please contact us if you have any questions.
InvalidParameter.BatchDomainCreateActionError	Failed to bulk create domains. Cause: Internal error.
InvalidParameter.BatchRecordCreateActionError	Failed to bulk create records. Cause: Internal error.
InvalidParameter.BatchRecordModifyActionError	Failed to bulk modify records. Cause: Internal error.
InvalidParameter.BatchRecordModifyActionInvalidValue	The record value is invalid.
InvalidParameter.BatchRecordRemoveActionError	Failed to batch delete records. Cause: Internal error.
InvalidParameter.BatchRecordReplaceActionError	Failed to bulk replace records. Cause: Internal error.
InvalidParameter.BatchTaskCountLimit	The number of tasks exceeds the upper limit.
InvalidParameter.CustomMessage	Custom error message.
InvalidParameter.DnssecAddCnameError	DNSSEC has been enabled for this domain. You

	cannot add an @CNAME, URL, or framed URL record.
InvalidParameter.DomainAliasExists	The alias already exists.
InvalidParameter.DomainAliasIdInvalid	The alias ID is incorrect.
InvalidParameter.DomainIdInvalid	The domain number is incorrect.
InvalidParameter.DomainInEffectOrInvalidated	You cannot perform operations on a domain currently active or invalid.
InvalidParameter.DomainInvalid	The domain is incorrect. Enter a top-level domain such as dnsPod.cn.
InvalidParameter.DomainsIsAliaser	This domain is an alias of another domain.
InvalidParameter.DomainsIsNotlocked	The domain is not locked.
InvalidParameter.DomainNotAllowedLock	Currently, the domain cannot be locked.
InvalidParameter.DomainNotAllowedModifyRecords	You cannot change the DNS record of a domain currently active or invalid.
InvalidParameter.DomainNotBeian	The domain does not have an ICP filing, so you cannot add a URL record for it.
InvalidParameter.DomainNotReged	The domain has not been registered and cannot be added.
InvalidParameter.DomainRecordExist	The record already exists and does not need to be added again.
InvalidParameter.DomainsEmpty	No domains have been submitted.
InvalidParameter.EmailInvalid	The email address is incorrect.
InvalidParameter.EmailNotVerified	Sorry, the email address of your account has not been verified.
InvalidParameter.EmailOrQqInvalid	Enter a valid email address or UIN.
InvalidParameter.EmailSame	The domain is already under the account.
InvalidParameter.GroupIdInvalid	The group ID is incorrect.
InvalidParameter.GroupNameExists	The group name already exists.
InvalidParameter.GroupNameInvalid	The group name can contain 1–17 characters.

InvalidParameter.InvalidWeight	The weight is invalid. Enter an integer between 0 and 100.
InvalidParameter.JobGreaterThanLimit	The number of tasks exceeds the upper limit.
InvalidParameter.LockDaysInvalid	The locking period is incorrect.
InvalidParameter.LoginTokenIdError	The token ID is incorrect.
InvalidParameter.LoginTokenNotExists	The token passed in does not exist.
InvalidParameter.LoginTokenValidateFailed	Failed to verify the token.
InvalidParameter.MobileNotVerified	Sorry, the mobile number of your account has not been verified.
InvalidParameter.MxInvalid	The MX priority is incorrect.
InvalidParameter.OffsetInvalid	The pagination offset value is incorrect.
InvalidParameter.OperateFailed	Operation failed. Please try again later.
InvalidParameter.OtherAccountUnrealName	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.ParamInvalid	Parameter format error.
InvalidParameter.ParamsIllegal	The parameter is invalid, so the request was rejected.
InvalidParameter.ParamsMissing	The parameter is incorrect.
InvalidParameter.QcloudUinInvalid	The user UIN is invalid.
InvalidParameter.QuhuiTxtNotMatch	
InvalidParameter.QuhuiTxtRecordWait	The TXT record was not set or has not taken effect. Try again later.
InvalidParameter.RecordIdInvalid	The record number is incorrect.
InvalidParameter.RecordLineInvalid	The record split zone is incorrect.
InvalidParameter.RecordTypeInvalid	The record type is incorrect.
InvalidParameter.RecordValueInvalid	The record value is incorrect.
InvalidParameter.RecordValueLengthInvalid	The DNS record value is too long.

InvalidParameter.RecordsEmpty	No records have been submitted.
InvalidParameter.RemarkLengthExceeded	The length of the remarks exceeds the limit.
InvalidParameter.RemarkTooLong	The remarks are too long (max 200 characters).
InvalidParameter.RequestIpLimited	Your IP is invalid, so the request was rejected.
InvalidParameter.ResultMoreThan500	The search results contain more than 500 entries. Add one or more keywords.
InvalidParameter.SubdomainInvalid	The subdomain is incorrect.
InvalidParameter.TooManyInvalidDomains	The current account has too many invalid domains and is unable to use this feature. Point the DNS server of existing domains to DNSPod correctly and try adding them.
InvalidParameter.ToolsDomainInvalid	The domain is invalid.
InvalidParameter.UnLockCodeExpired	The unlock code has expired.
InvalidParameter.UnLockCodeInvalid	The unlock code is incorrect.
InvalidParameter.UnrealNameUser	Your account identity has not been verified. Complete identity verification first before performing this operation.
InvalidParameter.UrlValueIllegal	Sorry, the URL failed to be added/enabled because its content did not comply with the DNSPod Terms of Service. Please contact technical support for assistance.
InvalidParameter.UserAreaInvalid	The account is not a Tencent Cloud user.
InvalidParameter.UserNotExists	The user does not exist.
InvalidParameterValue.DomainGradeInvalid	The domain level is incorrect.
InvalidParameterValue.DomainNotExists	The current domain is incorrect. Return to the previous step and try again.
InvalidParameterValue.LimitInvalid	Error in number of entries per page.
InvalidParameterValue.UserIdInvalid	The user number is incorrect.
LimitExceeded.AAAACountLimit	The number of AAAA records exceeds the limit.
LimitExceeded.AtNsRecordLimit	The @NS record can be set to the default split zone

	only.
LimitExceeded.DomainAliasCountExceeded	The number of aliases has reached the limit.
LimitExceeded.DomainAliasNumberLimit	The number of currently bound aliases has reached the limit.
LimitExceeded.FailedLoginLimitExceeded	Your account has been banned by the system due to excessive failed login attempts.
LimitExceeded.GroupNumberLimit	The number of groups has reached the upper limit.
LimitExceeded.HiddenUrlExceeded	The DNS plan used by this domain does not support framed URL forwarding, or the number of framed URL forward records exceeds the limit. To use this feature, please purchase more records.
LimitExceeded.NsCountLimit	The number of NS records exceeds the limit.
LimitExceeded.RecordTtlLimit	The TTL value of the record exceeds the limit.
LimitExceeded.SrvCountLimit	The number of SRV records exceeds the limit.
LimitExceeded.SubdomainLevelLimit	The number of subdomain levels exceeds the limit.
LimitExceeded.SubdomainRollLimit	The number of round-robin DNS records of the subdomain exceeds the limit.
LimitExceeded.SubdomainWcardLimit	The number of wildcard levels exceeds the limit.
LimitExceeded.UrlCountLimit	The number of URL forward records of this domain exceeds the limit. To continue using this feature, please purchase more records.
OperationDenied.AccessDenied	You have no permission for this operation.
OperationDenied.DomainOwnerAllowedOnly	Only the domain owner can perform this operation.
OperationDenied.IPInBlacklistNotAllowed	Sorry, you cannot add a blocked IP.
OperationDenied.NoPermissionToOperateDomain	You have no permission to perform operations on the current domain. Return to the domain list.
OperationDenied.NotAdmin	You are not an admin.
OperationDenied.NotAgent	Your are not a proxy user.
OperationDenied.NotManagedUser	The user is not under your account.

RequestLimitExceeded.BatchTaskLimit	Too many tasks have been added for your IP. Try again later.
RequestLimitExceeded.CreateDomainLimit	A great number of domains have been added under your account in a short period of time. Control the frequency of adding domains.
RequestLimitExceeded.RequestLimitExceeded	The number of API requests exceeds the limit.
ResourceNotFound.NoDataOfDomainAlias	There is no domain alias.
ResourceNotFound.NoDataOfRecord	Empty record list.