

# SSL Certificates

## API Documentation

### Product Documentation



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## History

Last updated : 2025-02-27 16:21:54

### Release 12

Release time: 2025-02-27 16:21:45

Release updates:

Improvement to existing documentation.

Modified APIs:

- [CreateCSR](#)
  - New input parameters:Tags
- [CreateCertificate](#)
  - New input parameters:AutoVoucher, Tags
- [DescribeCertificateBindResourceTaskDetail](#)
  - New output parameters:COS
- [DescribeCertificateDetail](#)
  - New output parameters:CertChainInfo
- [DescribeCertificates](#)
  - New input parameters:Tags, IsPendingIssue, CertIds
- [DescribeHostTeoInstanceList](#)
  - **Modified input parameters:** ResourceType
  - **Deprecate input parameters:** ResourceType
- [SubmitCertificateInformation](#)
  - New input parameters:IsDV

New data structures:

- [COSInstanceList](#)
- [CertBasicInfo](#)
- [CosInstanceDetail](#)
- [HostingConfig](#)

Modified data structures:

- [ApiGatewayInstanceList](#)
  - New members:Error
- [CdnInstanceList](#)
  - New members:Error
- [Certificates](#)
  - New members:CertRevokedTime, HostingResourceTypes, HostingConfig
- [ClbInstanceList](#)
  - New members:Error
- [ClbListener](#)
  - **Modified members:** NoMatchDomains
- [ClbListenerRule](#)
  - New members:Url
- [DdosInstanceList](#)
  - New members:Error
- [DvAuthDetail](#)
  - **Modified members:** DvAuthKey, DvAuthValue
- [LiveInstanceList](#)
  - New members:Error
- [OperationLog](#)
  - New members:Uin, SubAccountUin, CertId, Type
- [TCBInstanceList](#)
  - New members:Error
- [TSEInstanceList](#)
  - New members:Error
- [TeoInstanceDetail](#)
  - **Modified members:** Zoneld, Status
- [TeoInstanceList](#)
  - New members:Error
- [TkeInstanceList](#)
  - New members:Error
- [UpdateRecordDetail](#)
  - New members:Url
- [UpdateRecordDetails](#)
  - **Modified members:** TotalCount
- [VODInstanceList](#)
  - New members:Error
- [WafInstanceList](#)
  - New members:Error

## Release 11

Release time: 2025-01-13 17:15:20

Release updates:

Improvement to existing documentation.

Modified APIs:

- [DeleteCertificate](#)
  - New input parameters:IsCheckResource
  - New output parameters:TaskId

## Release 10

Release time: 2024-12-02 16:45:22

Release updates:

Improvement to existing documentation.

Modified data structures:

- [CibListenerRule](#)
  - **Modified members:** NoMatchDomains

## Release 9

Release time: 2024-07-30 17:02:02

Release updates:

Improvement to existing documentation.

Modified APIs:

- [ApplyCertificate](#)
  - New input parameters:DnsNames

## Release 8

Release time: 2023-12-01 16:19:31

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeHostUpdateRecord](#)
- [DescribeHostUpdateRecordDetail](#)
- [UpdateCertificateInstance](#)
- [UpdateCertificateRecordRetry](#)
- [UpdateCertificateRecordRollback](#)

Modified APIs:

- [DescribeCertificateBindResourceTaskDetail](#)
  - New output parameters:TSE

New data structures:

- [GatewayCertificate](#)
- [ResourceTypeRegions](#)
- [SupportDownloadType](#)
- [TSEInstanceDetail](#)
- [TSEInstanceList](#)
- [UpdateRecordDetail](#)
- [UpdateRecordDetails](#)
- [UpdateRecordInfo](#)
- [UpdateSyncProgress](#)
- [UpdateSyncProgressRegion](#)

Modified data structures:

- [CertificateExtra](#)
  - New members:CompanyType
  - **Modified members:** SMCert
- [Certificates](#)
  - New members:HasRenewOrder, ReplaceOriCertIsDelete, IsExpiring, DVAuthDeadline, ValidationPassedTime, CertSANs, AwaitingValidationMsg, AllowDownload, IsDNSPODResolve, IsPackage, KeyPasswordCustomFlag, SupportDownloadType

## Release 7



Release time: 2023-09-22 16:24:53

Release updates:

Improvement to existing documentation.

New APIs:

- [DescribeHostTeoInstanceList](#)

New data structures:

- [Filter](#)

## Release 6

Release time: 2023-09-19 11:07:01

Release updates:

Improvement to existing documentation.

New APIs:

- [CancelAuditCertificate](#)
- [ModifyCertificateResubmit](#)

Modified data structures:

- [Certificates](#)
  - New members: HostingStatus, HostingCompleteTime, HostingRenewCertId

## Release 5

Release time: 2023-09-08 17:49:33

Release updates:

Improvement to existing documentation.

New APIs:

- [BatchDeleteCSR](#)
- [CreateCSR](#)
- [CreateCertificateBindResourceSyncTask](#)

- [DescribeCSR](#)
- [DescribeCSRSet](#)
- [DescribeCertificateBindResourceTaskDetail](#)
- [DescribeCertificateBindResourceTaskResult](#)
- [ModifyCSR](#)

#### Modified APIs:

- [DescribeCertificate](#)
  - New output parameters:DvRevokeAuthDetail
- [DescribeCertificateDetail](#)
  - New output parameters:DvRevokeAuthDetail
- [DescribeCertificates](#)
  - New input parameters:Hostable
- [ReplaceCertificate](#)
  - New input parameters:CertCSREncryptAlgo, CertCSRKeyParameter
- [UploadCertificate](#)
  - New input parameters:Tags

#### New data structures:

- [ApiGatewayInstanceDetail](#)
- [ApiGatewayInstanceList](#)
- [BindResourceRegionResult](#)
- [BindResourceResult](#)
- [CSRItem](#)
- [CdnInstanceDetail](#)
- [CdnInstanceList](#)
- [CertTaskId](#)
- [Certificate](#)
- [ClbInstanceDetail](#)
- [ClbInstanceList](#)
- [ClbListener](#)
- [ClbListenerRule](#)
- [DdosInstanceDetail](#)
- [DdosInstanceList](#)
- [Error](#)
- [LiveInstanceDetail](#)
- [LiveInstanceList](#)

- [SyncTaskBindResourceResult](#)
- [TCBAccessInstance](#)
- [TCBAccessService](#)
- [TCBEnvironment](#)
- [TCBEnvironments](#)
- [TCBHostInstance](#)
- [TCBHostService](#)
- [TCBInstanceList](#)
- [TeoInstanceDetail](#)
- [TeoInstanceList](#)
- [TkeIngressDetail](#)
- [TkeInstanceDetail](#)
- [TkeInstanceList](#)
- [TkeNameSpaceDetail](#)
- [TkeSecretDetail](#)
- [VODInstanceList](#)
- [VodInstanceDetail](#)
- [WafInstanceDetail](#)
- [WafInstanceList](#)

## Release 4

Release time: 2023-07-06 14:50:47

Release updates:

Improvement to existing documentation.

New APIs:

- [CreateCertificate](#)
- [UploadConfirmLetter](#)

Modified APIs:

- [CommitCertificateInformation](#)
  - New input parameters: VerifyType
- [DescribeCertificate](#)
  - New output parameters: CAEncryptAlgorithms, CACCommonNames, CAEndTimes

## Release 3

Release time: 2023-03-28 15:09:35

Release updates:

Improvement to existing documentation.

Modified APIs:

- [UploadCertificate](#)
  - New input parameters:Repeatable
  - New output parameters:RepeatCertId

Modified data structures:

- [CertificateExtra](#)
  - New members:SMCert

## Release 2

Release time: 2023-01-12 11:24:23

Release updates:

Improvement to existing documentation.

Modified APIs:

- [ApplyCertificate](#)
  - New input parameters:PackageId, DeleteDnsAutoRecord
- [DescribeCertificateDetail](#)
  - New output parameters:RootCert, EncryptCert, EncryptPrivateKey, CertFingerprint, EncryptCertFingerprint, EncryptAlgorithm
- [DescribeCertificates](#)
  - New input parameters:Upload, Renew, FilterSource, IsSM, FilterExpiring

New data structures:

- [PreAuditInfo](#)
- [RootCertificates](#)

Modified data structures:

- [Certificates](#)
  - New members: IsIgnore, IsSM, EncryptAlgorithm, CAEncryptAlgorithms, CAEndTimes, CACCommonNames, PreAuditInfo, AutoRenewFlag

## Existing Release

Release time: 2021-02-22 15:15:51

Existing APIs/data structures are as follows:

Improvement to existing documentation.

Existing APIs:

- [ApplyCertificate](#)
- [CancelCertificateOrder](#)
- [CommitCertificateInformation](#)
- [DeleteCertificate](#)
- [DescribeCertificate](#)
- [DescribeCertificateDetail](#)
- [DescribeCertificateOperateLogs](#)
- [DescribeCertificates](#)
- [DownloadCertificate](#)
- [ModifyCertificateAlias](#)
- [ModifyCertificateProject](#)
- [ReplaceCertificate](#)
- [SubmitCertificateInformation](#)
- [UploadCertificate](#)

Existing data structures:

- [CertificateExtra](#)
- [Certificates](#)
- [DvAuthDetail](#)
- [DvAuths](#)
- [OperationLog](#)
- [ProjectInfo](#)
- [SubmittedData](#)
- [Tags](#)

# Introduction

Last updated : 2025-02-27 16:21:52

## Overview

Tencent Cloud SSL Certificates provides a one-stop service for Secure Sockets Layer (SSL) certificates, including certificate application, management and deployment features. It cooperates with top digital certificate authorities (CAs) and agents to provide HTTPS solutions for your website and mobile applications.

**Note:**

- All SSL certificate APIs in this section are the latest API 3.0 interfaces, and any new SSL-related features will be updated in this section. We strongly recommend using the latest API 3.0 interface.
- Existing older version APIs (e.g., 2017 or 2018-4-26 versions) are still functional but are no longer maintained.

If you still need to use the API (2017) old version interface, please refer to: [SSL Certificate API Overview \(Old Version\)](#).

If you still need to use the API (2018-4-26) old version interface, please refer to: [SSL Certificate API Overview \(Old Version\)](#).

### Domain Name-based (DV) SSL Certificate

The trust level is general, and the certificate can be issued to protect the website only by verifying the authenticity of the website.

### Enterprise (OV) SSL Certificate

A high trust level requires verification of the business identity, strict review, and higher security.

### Enhanced (EV) SSL Certificate Service

The highest trust level is generally used for financial institutions such as banks and securities, with strict review, the highest security, and can also activate a green address bar.

# API Category

Last updated : 2025-02-27 16:21:53

## Certificate APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">ApplyCertificate</a>	Applies for a free certificate	10
<a href="#">CancelAuditCertificate</a>	Cancels certificate review	10
<a href="#">CancelCertificateOrder</a>	Cancels a certificate order	10
<a href="#">CommitCertificateInformation</a>	Submits a certificate order for a paid certificate	10
<a href="#">CreateCertificate</a>	Purchases a certificate	10
<a href="#">DeleteCertificate</a>	Deletes a certificate	10
<a href="#">DescribeCertificate</a>	Gets certificate information	10
<a href="#">DescribeCertificateOperateLogs</a>	Gets certificate operation logs	10
<a href="#">DescribeHostUpdateRecord</a>	Query Certificate Cloud Resource Update Record List	10
<a href="#">DescribeHostUpdateRecordDetail</a>	Queries the certificate cloud resource update record details	10
<a href="#">DownloadCertificate</a>	Downloads a certificate	10
<a href="#">ModifyCertificateAlias</a>	Modifies a certificate alias	10
<a href="#">ModifyCertificateProject</a>	Modifies the projects of multiple certificates	10
<a href="#">ModifyCertificateResubmit</a>	Re-submits a certificate review application	10
<a href="#">ReplaceCertificate</a>	Reissues a certificate	10
<a href="#">SubmitCertificateInformation</a>	Submits payment certificate materials	10

<a href="#">UpdateCertificateInstance</a>	One-Click update of new and old certificate resources	10
<a href="#">UpdateCertificateRecordRetry</a>	Cloud resource update failed. retry deployment record	10
<a href="#">UpdateCertificateRecordRollback</a>	Cloud Resource Update One-Click Rollback	10
<a href="#">UploadConfirmLetter</a>	Uploads the confirmation letter for a certificate	10
<a href="#">CreateCertificateBindResourceSyncTask</a>	Creates an async task for querying cloud resources associated with a certificate	10
<a href="#">DescribeCertificateBindResourceTaskDetail</a>	Queries the result of a task querying cloud resources associated with a certificate (details of associated cloud resources are returned)	10
<a href="#">DescribeCertificateBindResourceTaskResult</a>	Queries the result of a task querying cloud resources associated with a certificate (only the total number of associated cloud resources is returned)	10
<a href="#">DescribeCertificateDetail</a>	Gets certificate details	10
<a href="#">DescribeCertificates</a>	Gets the certificate list	10
<a href="#">DescribeHostTeoInstanceList</a>	Queries the list of EDGEONE instances to which a certificate can be deployed	10
<a href="#">UploadCertificate</a>	Uploads a certificate	10

## CSR APIs

API Name	Feature	Frequency Limit (maximum requests per second)
<a href="#">BatchDeleteCSR</a>	Batch deletes CSRs	10
<a href="#">CreateCSR</a>	Creates a CSR	10
<a href="#">DescribeCSR</a>	Queries the details of a CSR	10
<a href="#">DescribeCSRSet</a>	Queries the CSR list	10



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<a href="#">ModifyCSR</a>	Modifies the information of a CSR	10
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# Making API Requests

## Request Structure

Last updated : 2024-12-02 16:45:29

### 1. Service Address

The API supports access from either a nearby region (at `ssl.intl.tencentcloudapi.com`) or a specified region (at `ssl.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 "`ssl.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>ssl.intl.tencentcloudapi.com</code>
South China (Guangzhou)	<code>ssl.ap-guangzhou.tencentcloudapi.com</code>
East China (Shanghai)	<code>ssl.ap-shanghai.tencentcloudapi.com</code>
North China (Beijing)	<code>ssl.ap-beijing.tencentcloudapi.com</code>
Southwest China (Chengdu)	<code>ssl.ap-chengdu.tencentcloudapi.com</code>
Southwest China (Chongqing)	<code>ssl.ap-chongqing.tencentcloudapi.com</code>
Hong Kong, Macao, Taiwan (Hong Kong, China)	<code>ssl.ap-hongkong.tencentcloudapi.com</code>
Southeast Asia (Singapore)	<code>ssl.ap-singapore.tencentcloudapi.com</code>
Southeast Asia (Bangkok)	<code>ssl.ap-bangkok.tencentcloudapi.com</code>

South Asia (Mumbai)	ssl.ap-mumbai.tencentcloudapi.com
Northeast Asia (Seoul)	ssl.ap-seoul.tencentcloudapi.com
Northeast Asia (Tokyo)	ssl.ap-tokyo.tencentcloudapi.com
U.S. East Coast (Virginia)	ssl.na-ashburn.tencentcloudapi.com
U.S. West Coast (Silicon Valley)	ssl.na-siliconvalley.tencentcloudapi.com
Europe (Frankfurt)	ssl.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

Last updated : 2024-12-02 16:45:30

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 version is 2017-03-12.
Authorization	String	Yes	The HTTP authentication request header, for example: TC3-HMAC-SHA256 Credential=AKID*****/Date/service/tc3_request, SignedHeaders=content-type;host, Signature=fe5f80f77d5fa3beca038a248ff027d0445342fe2855ddc96317 Here: - TC3-HMAC-SHA256: Signature method, currently fixed as this value; - Credential: Signature credential; AKID***** is the SecretId; Date is a date and time, and this value must match the value of X-TC-Timestamp (a common parameter).

			<p>UTC time format; service is the name of the product/service, and is general name prefix. For example, a domain name <code>cvm.tencentcloudapi.com</code> refers to product and the value would be <code>cvm</code>;</p> <ul style="list-style-type: none"> <li>- SignedHeaders: The headers that contains the authentication information type and host are the required headers;</li> <li>- Signature: Signature digest.</li> </ul>
X-TC-Token	String	No	<p>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.</p>

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=AKID*****/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=AKID*****/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=AKID*****/2018-05-30/cvm/tc3_request, SignedHeaders=content-type;host, Signature=582c400e06b5924a6f2b5d7d672d79c15b13162d9279b0855cfba6789a8edb4c
```

```
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 <a href="#">Cloud API Key</a> 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=37ac2f4fde00b0ac9bd9eadeb459b1bbbee224158d66e7ae5fcadb70b2d181d02&Region=ap-guangzhou&Nonce=23823223&SecretId=AKID*****
```

```
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=AKID*****  
****
```



# Signature v3

Last updated : 2025-01-13 17:15:28

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](#).
2. Go to the [TencentCloud API Key](#) console page.
3. On the [TencentCloud API Key](#) 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](#), [Java](#), [PHP](#), [Go](#), [NodeJS](#) and [.NET](#). In addition, it provides [API Explorer](#) 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 `AKID*****` and `*****`, 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=AKID*****
*/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b85514
48762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2" \
-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 <code>POST</code> .
CanonicalURI	URI parameter. Slash ("/") is used for API 3.0.
CanonicalQueryString	<p>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: <code>Limit=10&amp;Offset=0</code>.</p> <p>Note: <code>CanonicalQueryString</code> must be URL-encoded, referencing <a href="#">RFC3986</a>, the UTF8 character set. We recommend using the programming language library. All special characters must be encoded and capitalized.</p>
CanonicalHeaders	<p>Header information for signature calculation, including at least two headers of <code>host</code> and <code>content-type</code>. Custom headers can be added to participate in the signature process to improve the uniqueness and security of the request.</p> <p>Concatenation rules:</p> <ol style="list-style-type: none"> <li>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 <code>key:value\n</code> format;</li> <li>If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase).</li> </ol> <p>The calculation result in this example is <code>content-type:application/json; charset=utf-8\nhost:cvm.tencentcloudapi.com\n</code>.</p> <p>Note: <code>content-type</code> 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 server will return an error indicating signature verification failed.</p>
SignedHeaders	<p>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). <code>Content-type</code> and <code>host</code> are required headers.</p> <p>Concatenation rules:</p> <ol style="list-style-type: none"> <li>Both the key and value of the header should be converted to lowercase;</li> <li>If there are multiple headers, they should be sorted in ASCII ascending order by the header keys (lowercase) and separated by semicolons (;).</li> </ol> <p>The value in this example is <code>content-type;host</code></p>
HashedRequestPayload	Hash value of the request payload (i.e., the body, such as <code>{"Limit": 1, "Filter</code>

```
[{"Values": ["unnamed"], "Name": "instance-name"}]} in this example
The pseudocode for calculation is
Lowercase(HexEncode(Hash.SHA256(RequestPayload))) by SHA256 hashing the pay
of the HTTP request, performing hexadecimal encoding, and finally converting the encc
string to lowercase letters. For GET requests, RequestPayload is always an empt
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 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 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 2018-08-25/cvm/tc3_request .

HashedCanonicalRequest	<p>Hash value of the CanonicalRequest string concatenated in the steps above. The pseudocode for calculation is Lowercase(HexEncode(Hash.SHA256(CanonicalRequest)))</p> <p>The calculation result in this example is</p> <pre>2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3ad</pre>
------------------------	--

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
2815843035062fffd6f2a44ea8a34818b0dc46f024b8b3786976a3adda7a
```

### 3. Calculating the Signature

1. Calculate the derived signature key with the following pseudocode:

```
SecretKey = "*****"
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., *****.
Date	The Date field information in Credential, such as 2019-02-25 in this example.

Service	Value in the Service field in <code>Credential</code> , such as <code>cvm</code> 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 <code>TC3-HMAC-SHA256</code> .
SecretId	The SecretId in the key pair, i.e., <code>AKID*****</code> .
CredentialScope	Credential scope (see above). The calculation result in this example is <code>2019-02-25/cvm/tc3_request</code> .
SignedHeaders	Header information for signature calculation (see above), such as <code>content-type;host</code> in this example.
Signature	Signature value. The calculation result in this example is <code>a7b8551448762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2</code> .

According to the rules above, the value obtained in the example is:

```
TC3-HMAC-SHA256 Credential=AKID*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b8551448762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2
```

The following example shows a finished authorization header:

```
POST https://cvm.tencentcloudapi.com/
Authorization: TC3-HMAC-SHA256 Credential=AKID*****/2019-02-25/cvm/tc3_request, SignedHeaders=content-type;host, Signature=a7b8551448762bd123d6f79e81815e31a92013640a6cef36a08ad4b292a4d2f2
```

```
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](#) 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=AKID*****&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 = "AKID*****";
    private final static String SECRET_KEY = "*****";
    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<String, String> headers = new TreeMap<String, String>();
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: ").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 = "AKID*****"
secret_key = "*****"

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": [{"Values": ["unnamed"], "Name": "instance-name"}]}

# ***** 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 := "AKID*****"
    secretKey := "*****"
    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-na
me"}]}`
    hashedRequestPayload := sha256hex(payload)
    canonicalRequest := fmt.Sprintf("%s\n%s\n%s\n%s\n%s\n%s",
    httpRequestMethod,
    canonicalURI,
```

```
canonicalQueryString,  
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

```
<?php
$secretId = "AKID*****";
$secretKey = "*****";
$host = "cvm.tencentcloudapi.com";
$service = "cvm";
$version = "2017-03-12";
$action = "DescribeInstances";
$region = "ap-guangzhou";
// $timestamp = time();
$timestamp = 1551113065;
$algorithm = "TC3-HMAC-SHA256";

// 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 = hash("SHA256", $payload);
$canonicalRequest = $httpRequestMethod. "\n"
.$canonicalUri. "\n"
.$canonicalQueryString. "\n"
.$canonicalHeaders. "\n"
.$signedHeaders. "\n"
.$hashedRequestPayload;
echo $canonicalRequest.PHP_EOL;

// step 2: build string to sign
$date = gmdate("Y-m-d", $timestamp);
$credentialScope = $date. "/" . $service. "/tc3_request";
$hashedCanonicalRequest = hash("SHA256", $canonicalRequest);
$stringToSign = $algorithm. "\n"
.$timestamp. "\n"
.$credentialScope. "\n"
.$hashedCanonicalRequest;
echo $stringToSign.PHP_EOL;

// step 3: sign string
$secretDate = hash_hmac("SHA256", $date, "TC3". $secretKey, true);
$secretService = hash_hmac("SHA256", $service, $secretDate, true);
$secretSigning = hash_hmac("SHA256", "tc3_request", $secretService, true);
$signature = hash_hmac("SHA256", $stringToSign, $secretSigning);
echo $signature.PHP_EOL;
```

```
// step 4: build authorization
$authorization = $algorithm
." Credential=".$secretId."/".$credentialScope
.", SignedHeaders=content-type;host, Signature=".$signature;
echo $authorization.PHP_EOL;

$curl = "curl -X POST https://"$.host
.' -H "Authorization: '.$authorization.'"
.' -H "Content-Type: application/json; charset=utf-8"
.' -H "Host: '.$host.'"
.' -H "X-TC-Action: '.$action.'"
.' -H "X-TC-Timestamp: '.$timestamp.'"
.' -H "X-TC-Version: '.$version.'"
.' -H "X-TC-Region: '.$region.'"
." -d "'.$payload.'"";
echo $curl.PHP_EOL;
```

## Ruby

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

# Key Parameters
secret_id = 'AKID*****'
secret_key = '*****'

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-nam
e"}]}'
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}, Signed
Headers=#{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));
            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<String, String> 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, Mi
```

```
dpointRounding.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" + cre
dentialScope + "\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_requ
est"));
byte[] signatureBytes = HmacSHA256(secretSigning, Encoding.UTF8.GetBytes(stringTo
Sign));
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<string, string> headers = new Dictionary<string, string>();
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 = "AKID*****";
    string SECRET_KEY = "*****";

    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\": [\"unnamed\"], \"Name\": \"instance-name\"}]\"}";

    Dictionary<string, string> headers = BuildHeaders(SECRET_ID, SECRET_KEY, service, endpoint, region, action, version, date, requestPayload);

    Console.WriteLine("POST https://cvm.tencentcloudapi.com");
    foreach (KeyValuePair<string, string> 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 = "AKID*****"
const SECRET_KEY = "*****"

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 <iostream>
#include <iomanip>
#include <sstream>
#include <string>
#include <stdio.h>
#include <time.h>
#include <openssl/sha.h>
#include <openssl/hmac.h>

using namespace std;

string get_data(int64_t &timestamp)
{
    string utcDate;
    char buff[20] = {0};
    // time_t timenow;
    struct tm sttime;
    sttime = *gmtime(&timestamp);
    strftime(buff, sizeof(buff), "%Y-%m-%d", &sttime);
    utcDate = string(buff);
    return utcDate;
}

string int2str(int64_t n)
{
    std::stringstream ss;
    ss << n;
    return ss.str();
}

string sha256Hex(const string &str)
{
    char buf[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 OPENSSSL_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 OPENSSSL_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* 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 = "AKID*****";
string SECRET_KEY = "*****";

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 + "/" + creden
tialScope + ", "
+ "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

Last updated : 2025-01-13 17:15:29

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: AKID\*\*\*\*\*
- SecretKey: \*\*\*\*\*

**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	AKID*****
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' : 'AKID*****',
  '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=AKID*****&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=AKID*****
*****&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 = '*****';  
$srcStr = 'GETcvm.tencentcloudapi.com/?Action=DescribeInstances&InstanceIds.0=ins-09dx96dg&Limit=20&Nonce=11886&Offset=0&Region=ap-guangzhou&SecretId=AKID*****&Timestamp=1465185768&Version=2017-03-12';  
$signStr = base64_encode(hash_hmac('sha1', $srcStr, $secretKey, true));  
echo $signStr;
```

The final signature is:

```
7RAM2xfNMO9EiVTNmPg06MRnCvQ=
```

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 7RAM2xfNMO9EiVTNmPg06MRnCvQ=, the final signature string request parameter (Signature) is 7RAM2xfNMO9EiVTNmPg06MRnCvQ%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=AKID*****&Signature=7RAM2xfNMO9EiVTNmPg06MRnCvQ%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 enable s automatic sorting
    // A random number should be used when actually calling, for example: params.put ("Nonce", new Random().nextInt (java.lang.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", "AKID*****"); // 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), "*****", "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 = "AKID*****"
secret_key = "*****"
```



```
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 := "AKID*****"
    secretKey := "*****"
```

```
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 = "AKID*****";
$secretKey = "*****";
$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 = "AKID*****"
secret_key = "*****"

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 = "AKID*****";
string SECRET_KEY = "*****";

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 = "AKID*****"
const SECRET_KEY = "*****"

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 : 2024-07-30 17:02:32

## 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.

# Certificate APIs

## ApplyCertificate

Last updated : 2025-02-27 16:22:07

### 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to apply for a free certificate.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: ApplyCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
DvAuthMethod	Yes	String	Certificate domain validation methods:  DNS_AUTO: Automatically add domain DNS validation. Requires the user's domain to be hosted on 'Cloud DNS' and associated with the same Tencent Cloud account as the certificate application.  DNS: Manually add domain DNS validation. Requires the

			<p>user to manually add the validation value at their domain's DNS service provider.</p> <p>FILE: Manually add domain file validation. Requires the user to manually add a specified path file in the root directory of the domain site for file validation. Either HTTP or HTTPS validation will suffice; the domain site must be accessible by overseas CA institutions. The specific access whitelist is: 64.78.193.238, 216.168.247.9, 216.168.249.9, 54.189.196.217.</p>
DomainName	Yes	String	The domain bound to the certificate.
ProjectId	No	Integer	The project ID associated with the certificate. Default is 0 (default project)
PackageType	No	String	Certificate type, optional, currently only type 83 is supported. 83 = trustasia c1 dv free.
ContactEmail	No	String	The email associated with the certificate order, By default, it uses the Tencent Cloud account email. If it does not exist, a fixed email address will be used.
ContactPhone	No	String	The mobile phone number associated with the certificate. If it does not exist, a fixed mobile phone number will be used.
ValidityPeriod	No	String	Certificate valid period, 3 months by default, currently only 3 months is supported.
CsrEncryptAlgo	No	String	Encryption algorithm, values can be ECC or RSA, default is RSA.
CsrKeyParameter	No	String	Key pair parameters. RSA supports only 2048. ECC supports only prime256v1. When the encryption algorithm is set to ECC, this parameter is mandatory.
CsrKeyPassword	No	String	Private key password, currently only used when generating jks, pfx format certificates; private key certificates of other formats are not encrypted.
Alias	No	String	Certificate alias.
OldCertificateId	No	String	Old certificate id, used for certificate renewal (the certificate valid period is within 30 days and not expired), a renewal relationship will be established, which can be hosted; not providing it means applying for a new certificate.
PackageId	No	String	Benefit package ID, used for free certificate expansion

			package, the free certificate expansion package has been discontinued.
DeleteDnsAutoRecord	No	Boolean	Whether to delete the automatic domain name verification record after issuance, which is false by default. This parameter can be passed in only for domain names of the DNS_AUTO verification type.
DnsNames.N	No	Array of String	Other domains bound to the certificate, to be opened. This parameter is not currently supported.

### 3. Output Parameters

Parameter Name	Type	Description
CertificateId	String	The newly applied certificate id.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Applying for a free certificate

This example shows you how to apply for a free certificate.

#### Input Example

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

{
  "DvAuthMethod": "DNS_AUTO",
  "DomainName": "wgc.red"
}
```

#### Output Example

```
{
  "Response": {
    "CertificateId": "a9TsmZkL",
    "RequestId": "0b39eaa4-f938-476d-9b26-19fb07b80936"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CannotBeDeletedIssued	Failed to delete the certificate because it has been issued.

FailedOperation.CannotBeDeletedWithinHour	Free certificates cannot be deleted within 1 hour after being applied for.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateMismatch	The certificate and the private key do not match.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.ExceedsFreeLimit	The number of free certificates exceeds the maximum value.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.MainDomainCertificateCountLimit	The number of free certificates applied for under the primary domain name (%s) has reached the upper limit of %s. Please purchase a paid certificate.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.OrderAlreadyReplaced	This order has already been replaced.
FailedOperation.OrderReplaceFailed	Failed to reissue a certificate.
FailedOperation.PackageCountLimit	The remaining benefit points are insufficient.
FailedOperation.PackageExpired	The benefit package has expired.
FailedOperation.PackageNotFound	The benefit package does not exist.
InternalServerError	Internal error.
InvalidParameter	The parameter is incorrect.
InvalidParameter.PackageIdsInvalid	The list of benefit point IDs is invalid.



# CancelAuditCertificate

Last updated : 2024-12-02 16:46:36

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to cancel certificate review.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: CancelAuditCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	The certificate ID.

## 3. Output Parameters

Parameter Name	Type	Description
Result	Boolean	Whether the operation succeeded.

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

## 4. Example

### Example1 Canceling certificate review

#### Input Example

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

{
  "CertificateId": "abcdefg"
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "xxx-xxx-xxx-xxx",
    "Result": true
  }
}
```

## 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 Node.js](#)
- [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.CertificateNotFoundOrCantCancel	The certificate does not exist, or the review cannot be canceled.

# CancelCertificateOrder

Last updated : 2025-02-27 16:22:06

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to cancel a certificate order.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: CancelCertificateOrder.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Certificate ID

## 3. Output Parameters

Parameter Name	Type	Description
CertificateId	String	ID of the certificate whose order has been successfully cancelled

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

## 4. Example

### Example1 Canceling a certificate order

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CancelCertificateOrder

{
  "CertificateId": "hehj***jsj"
}
```

#### Output Example

```
{
  "Response": {
    "CertificateId": "hjejs***jsj",
    "RequestId": "9b397ac6-7d01-4fbc-8acc-52dd6ff0877b"
  }
}
```

## 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 Node.js](#)

- [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.AuthError	You do not have permission to perform this operation.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.

# CommitCertificateInformation

Last updated : 2025-02-27 16:22:06

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

Submit payment certificate orders; This API does not maintain new features, and you can use the new API to submit orders. [CertificateOrderSubmit](#).

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: CommitCertificateInformation.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Paid certificate id of materials to be submitted.
VerifyType	No	String	Certificate domain name verification method: DNS_AUTO: automatically adds domain dns verification, requiring user domain name resolution to be hosted on <a href="#">cloud dns</a> and under the same tencent cloud account as the certificate application. DNS: manually add domain dns verification, which requires users to manually add verification values to the domain resolution service provider.

FILE: manual addition of domain name file verification. requires the user to manually add a specified path file in the root directory of the domain site for file verification, and either http or https passing is acceptable; the domain site needs to be accessible by overseas ca institutions, with the specific access allowlist being: 64.78.193.238, 216.168.247.9, 216.168.249.9, 54.189.196.217.

### 3. Output Parameters

Parameter Name	Type	Description
OrderId	String	TrustAsia order ID
Status	Integer	Certificate status. 0 : reviewing; 1 : approved; 2 : unapproved; 3 : expired; 4 : DNS record added; 5 : enterprise-grade certificate, pending submission; 6 : canceling order; 7 : canceled; 8 : information submitted, pending confirmation letter upload; 9 : revoking certificate; 10 : revoked; 11 : reissuing; 12 : pending revocation confirmation letter upload
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Submit Certificate Order

Submit Certificate Order

#### Input Example

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

{
  "CertificateId": "hehj***jsj",
  "VerifyType": "DNS"
}
```



## Output Example

```
{
  "Response": {
    "OrderId": "SO8zRv29",
    "Status": 8,
    "RequestId": "9b397ac6-7d01-4fbc-8acc-52dd6ff0877b"
  }
}
```

## 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 Node.js](#)
- [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.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateInvalid	The certificate is invalid.

FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.
InternalError.BackendResponseError	An error occurred with the backend service response.

# CreateCertificate

Last updated : 2025-02-27 16:22:05

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to purchase a certificate.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: CreateCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
ProductId	Yes	Integer	Certificate product id. <a href="#">3</a> : securesite ev pro; <a href="#">4</a> : securesite ev; <a href="#">5</a> : securesite ov pro; <a href="#">6</a> : securesite ov; <a href="#">7</a> : securesite ov wildcard; <a href="#">8</a> : geotrust ev; <a href="#">9</a> : geotrust ov; <a href="#">10</a> : geotrust ov wildcard; <a href="#">11</a> : trustasia dv multi-domain; <a href="#">12</a> : trustasia dv wildcard; <a href="#">13</a> : trustasia ov wildcard d3; <a href="#">14</a> : trustasia ov d3; <a href="#">15</a> : trustasia ov multi-domain d3; <a href="#">16</a> : trustasia ev d3; <a href="#">17</a> : trustasia ev multi-domain d3; <a href="#">18</a> : globalsign ov; <a href="#">19</a> : globalsign ov wildcard; <a href="#">20</a> : globalsign ev; <a href="#">21</a> : trustasia ov wildcard multi-domain d3; <a href="#">22</a> : globalsign ov multi-domain; <a href="#">23</a> : globalsign ov wildcard multi-domain; <a href="#">24</a> : globalsign ev multi-domain; <a href="#">25</a> : wotrus dv; <a href="#">26</a> : wotrus dv multi-domain; <a href="#">27</a> : wotrus dv wildcard; <a href="#">28</a> : wotrus ov; <a href="#">29</a> : wotrus ov

			multi-domain; 30 : wotrus ov wildcard; 31 : wotrus ev; 32 : wotrus ev multi-domain; 33 : DNSPod sm2 dv; 34 : DNSPod sm2 dv multi-domain; 35 : DNSPod sm2 dv wildcard; 37 : DNSPod sm2 ov; 38 : DNSPod sm2 ov multi-domain; 39 : DNSPod sm2 ov wildcard; 40 : DNSPod sm2 ev; 41 : DNSPod sm2 ev multi-domain; 42 : trustasia dv wildcard multi-domain; 43 : dnspod-ov ssl certificate; 44 : dnspod-ov wildcard ssl certificate; 45 : dnspod-ov multi-domain ssl certificate; 46 : dnspod-ev ssl certificate; 47 : dnspod-ev multi-domain ssl certificate; 48 : dnspod-dv ssl certificate; 49 : dnspod-dv wildcard ssl certificate; 50 : dnspod-dv multi-domain ssl certificate; 51 : DNSPod (sm2)-ov ssl certificate; 52 : DNSPod (sm2)-ov wildcard ssl certificate; 53 : DNSPod (sm2)-ov multi-domain ssl certificate; 54 : DNSPod (sm2)-dv ssl certificate; 55 : DNSPod (sm2)-dv wildcard ssl certificate; 56 : DNSPod (sm2)-dv multi-domain ssl certificate; 57 : securesite ov pro multi-domain; 58 : securesite ov multi-domain; 59 : securesite ev pro multi-domain; 60 : securesite ev multi-domain; 61 : geotrust ev multi-domain.
DomainNum	Yes	Integer	Number of domains associated with the certificate
TimeSpan	Yes	Integer	Certificate validity period.
AutoVoucher	No	Integer	Whether to automatically use vouchers: 1 for yes, 0 for no; the default is 1.
Tags.N	No	Array of Tags	Tag, generate tags for certificates.

### 3. Output Parameters

Parameter Name	Type	Description
CertificateIds	Array of String	List of certificate IDs
DealIds	Array of String	List of order IDs

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
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## 4. Example

### Example1 Creating a Certificate

Purchase a paid certificate

#### Input Example

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

{
  "ProductId": 25,
  "DomainNum": 1,
  "TimeSpan": 1
}
```

#### Output Example

```
{
  "Response": {
    "CertificateIds": [
      "gf16kv3A"
    ],
    "DealIds": [
      "20200923877000003022941"
    ],
    "RequestId": "5a3d8310-3d7e-42d3-923a-b81407fe495e"
  }
}
```

## 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 Node.js](#)
- [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.AuthError	You do not have permission to perform this operation.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.InvalidParam	Incorrect parameters.
InternalServerError	Internal error.
InternalServerError.BackendResponseError	An error occurred with the backend service response.
InvalidParameter	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.
MissingParameter	Missing parameter.

# DeleteCertificate

Last updated : 2025-02-27 16:22:04

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to delete a certificate.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DeleteCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Certificate ID
IsCheckResource	No	Boolean	When deleting, check whether the certificate is associated with cloud resources. By default, no check is performed. If you choose to check (the authorization service role <code>SSL_QCSLinkedRoleInReplaceLoadCertificate</code> is required), the deletion will become asynchronous, and the API will return an asynchronous task id. You need to use the <code>DescribeDeleteCertificatesTaskResult</code> API to check whether the deletion is successful.

### 3. Output Parameters

Parameter Name	Type	Description
DeleteResult	Boolean	Deletion result
TaskId	String	Asynchronous deletion task id. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 This API Is Used To Delete Certificates

##### Input Example

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

{
  "CertificateId": "hhe**jjsj",
  "IsCheckResource": false
}
```

##### Output Example

```
{
  "Response": {
    "DeleteResult": true,
    "RequestId": "0b39eaa4-f938-476d-9b26-19fb07b80936"
  }
}
```

#### Example2 Asynchronous Deletion



## Input Example

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

{
  "CertificateId": "tey**hdh",
  "IsCheckResource": true
}
```

## Output Example

```
{
  "Response": {
    "DeleteResult": false,
    "TaskId": "1251261",
    "RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
  }
}
```

# 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.BoundResources	Cannot be deleted when there are unbound cloud resources.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CannotBeDeletedIssued	Failed to delete the certificate because it has been issued.
FailedOperation.CannotBeDeletedWithinHour	Free certificates cannot be deleted within 1 hour after being applied for.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.DeleteFailedTimeNotUp	Cannot be deleted when the free cert application time has not exceeded 1 hour.
FailedOperation.DeleteResourceFailed	The certificate is associated with a Tencent Cloud resource and cannot be deleted.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.OrderAlreadyReplaced	This order has already been replaced.
FailedOperation.RenewNotIssued	Cannot perform deletion when the renewed cert has not been issued.
FailedOperation.RoleNotFoundAuthorization	The role does not exist. Please authorize the role first.
InternalError	Internal error.

LimitExceeded.RateLimitExceeded

The API rate limit is reached.

# DescribeCertificate

Last updated : 2025-02-27 16:22:04

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to get certificate information.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Certificate ID

## 3. Output Parameters

Parameter Name	Type	Description
OwnerUin	String	User UIN Note: this field may return null, indicating that no valid values can be obtained.

ProjectId	String	Project ID Note: this field may return null, indicating that no valid values can be obtained.
From	String	Certificate source: trustAsia. upload. wosign. sheca. Note: this field may return null, indicating that no valid values can be obtained.
CertificateType	String	Certificate type. <code>CA</code> : client certificate; <code>SVR</code> : server certificate Note: this field may return null, indicating that no valid values can be obtained.
PackageType	String	Certificate package type: Null: user uploads a certificate (without package type),. 2: trustasia tls rsa ca,. 3: securesite enhanced enterprise edition (ev pro),. 4: securesite enhanced (ev),. 5: securesite enterprise professional edition (ov pro). 6: securesite enterprise edition (ov). 7: securesite enterprise edition (ov) wildcard. 8: geotrust enhanced (ev). 9: geotrust enterprise edition (ov). 10: geotrust enterprise (ov) wildcard cert. 11: trustasia domain name-based multiple domain names ssl certificate. 12: trustasia domain name-based (dv) wildcard cert. 13: trustasia enterprise wildcard (ov) ssl certificate (d3). 14: trustasia enterprise (ov) ssl certificate (d3). 15: trustasia enterprise multiple domain names (ov) ssl certificate (d3). 16: trustasia enhanced (ev) ssl certificate (d3). 17: trustasia enhanced multiple domain names (ev) ssl certificate (d3). 18: globalsign enterprise (ov) ssl certificate. 19: globalsign enterprise wildcard (ov) ssl certificate. 20: globalsign enhanced (ev) ssl certificate. 21: trustasia enterprise wildcard multiple domain names (ov) ssl certificate (d3). 22: globalsign enterprise multiple domain names (ov) ssl certificate. 23: globalsign enterprise wildcard multiple domain names (ov) ssl certificate. 24: globalsign enhanced multiple domain names (ev) ssl certificate.

- 25: wotrus domain cert.
- 26: wotrus multi - domain name cert.
- 27: wotrus wildcard cert.
- 28: wotrus enterprise cert.
- 29: wotrus enterprise multi - domain name cert.
- 30: wotrus enterprise wildcard certificate.
- 31: wotrus enhanced certificate.
- 32: wotrus enhanced multi - domain name certificate.
- 33: wotrus - national cryptography domain - name certificate.
- 34: wotrus - national cryptography domain - name certificate (multiple domain names).
- 35: wotrus-national cryptography wildcard domain certificate.
- 37: wotrus-national cryptography enterprise certificate.
- 38: wotrus-national cryptography enterprise certificate (multiple domain names).
- 39: wotrus-national cryptography enterprise certificate (wildcard).
- 40: wotrus-national cryptography enhanced certificate.
- 41: wotrus - national cryptography enhanced certificate (multiple domain names).
- 42: trustasia - domain name certificate (wildcard multiple domain names).
- 43: DNSPod - enterprise (ov) ssl certificate.
- 44: DNSPod - enterprise (ov) wildcard ssl certificate.
- 45: DNSPod - enterprise (ov) multiple domain names ssl certificate.
- 46: dnspod-enhanced (ev) ssl certificate.
- 47: dnspod-enhanced (ev) multiple domain names ssl certificate.
- 48: dnspod-domain name-based (dv) ssl certificate.
- 49: dnspod-domain name-based (dv) wildcard ssl certificate.
- 50: dnspod-domain name-based (dv) multiple domain names ssl certificate.
- 51: DNSPod (national cryptography) - enterprise (ov) ssl certificate.
- 52: DNSPod (national cryptography) - enterprise (ov) wildcard ssl certificate.
- 53: DNSPod (national cryptography) - enterprise (ov) multiple domain names ssl certificate.
- 54: DNSPod (national cryptography) - domain name-based (dv) ssl certificate.
- 55: DNSPod (national cryptography) - domain name-based (dv) wildcard ssl certificate.
- 56: DNSPod (national cryptography) - domain name-based (dv) multiple domain names ssl certificate.
- 57: securesite enterprise professional version multiple domain names (ov pro).
- 58: securesite enterprise multiple domain names (ov).
- 59: securesite enhanced professional version multiple domain

		<p>names (ev pro).</p> <p>60: securesite enhanced multiple domain names (ev).</p> <p>61: geotrust enhanced multiple domain names (ev).</p> <p>75: securesite enterprise (ov).</p> <p>76: securesite enterprise (ov) wildcard.</p> <p>77: securesite enhanced (ev).</p> <p>78: geotrust enterprise (ov).</p> <p>79: geotrust enterprise (ov) wildcard.</p> <p>80: geotrust enhanced (ev).</p> <p>81: globalsign enterprise (ov) ssl certificate.</p> <p>82: globalsign enterprise wildcard (ov) ssl certificate.</p> <p>83: trustasia c1 dv free.</p> <p>85: globalsign enhanced (ev) ssl certificate.</p> <p>88: globalsign enterprise wildcard multiple domain names (ov) ssl certificate.</p> <p>89: globalsign enterprise multiple domain names (ov) ssl certificate.</p> <p>90: globalsign enhanced multiple domain names (ev) ssl certificate.</p> <p>91: geotrust enhanced multiple domain names (ev).</p> <p>92: securesite enterprise ov pro for multiple domain names.</p> <p>93: securesite enterprise for multiple domain names (ov).</p> <p>94: securesite ev pro for multiple domain names.</p> <p>95: securesite ev for multiple domain names.</p> <p>96: securesite ev pro.</p> <p>97: securesite enterprise professional version (ov pro).</p> <p>98: cfca enterprise (ov) ssl certificate.</p> <p>99: cfca enterprise multiple domain names (ov) ssl certificate.</p> <p>100: cfca enterprise wildcard (ov) ssl certificate.</p> <p>101: cfca enhanced (ev) ssl certificate.</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
ProductZhName	String	<p>Certificate product name.</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
Domain	String	<p>Domain name</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
Alias	String	<p>Alias</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
Status	Integer	<p>Certificate status: 0 = under review, 1 = approved, 2 = review failed, 3 = expired, 4 = dns records added automatically, 5 = enterprise certificate, pending documentation submission, 6 =</p>

		<p>order cancellation in progress, 7 = canceled, 8 = documents submitted, pending upload of confirmation letter, 9 = certificate revocation in progress, 10 = revoked, 11 = reissue in progress, 12 = pending upload of revocation confirmation letter, 13 = free certificate pending document submission, 14 = certificate has been refunded, 15 = certificate migration in progress.</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
StatusMsg	String	<p>Status information. valid values:</p> <p>//Common status information.</p> <ol style="list-style-type: none"> <li>1. pre-reviewing: prereviewing.</li> <li>2. legal-reviewing: under legal review.</li> <li>3. ca-reviewing: under ca review.</li> <li>4. pending-dcv: under domain verification.</li> <li>5. wait-issue: waiting for issuance (domain verification passed).</li> </ol> <p>//Certificate review failure status information.</p> <p>Order review failed.</p> <p>CA review failed; the domain name did not pass the security review.</p> <p>Domain verification timed out, and the order was automatically closed. please reapply for the certificate.</p> <p>The certificate information did not pass the review by the certificate authority. the reviewer will call the contact information reserved for the certificate. please pay attention to the incoming call. subsequently, you can resubmit the information through "modify information".</p> <p>To be continuously improved.</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
VerifyType	String	<p>Validation type: DNS_AUTO = automatic dns validation, DNS = manual dns validation, FILE = file verification, DNS_PROXY = dns proxy validation, FILE_PROXY = file proxy validation.</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
VulnerabilityStatus	String	<p>Vulnerability scanning status</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
CertBeginTime	String	<p>Time when the certificate takes effect</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
CertEndTime	String	<p>Time when the certificate expires</p>



		Note: this field may return null, indicating that no valid values can be obtained.
ValidityPeriod	String	Validity period of the certificate, in months Note: this field may return null, indicating that no valid values can be obtained.
InsertTime	String	Application time Note: this field may return null, indicating that no valid values can be obtained.
OrderId	String	Order ID Note: this field may return null, indicating that no valid values can be obtained.
CertificateExtra	<a href="#">CertificateExtra</a>	Extended information of the certificate Note: this field may return null, indicating that no valid values can be obtained.
DvAuthDetail	<a href="#">DvAuthDetail</a>	DV authentication information Note: this field may return null, indicating that no valid values can be obtained.
VulnerabilityReport	String	Vulnerability scanning assessment report Note: this field may return null, indicating that no valid values can be obtained.
CertificateId	String	Certificate ID Note: this field may return null, indicating that no valid values can be obtained.
PackageName	String	Certificate type name Note: this field may return null, indicating that no valid values can be obtained.
StatusName	String	Status description Note: this field may return null, indicating that no valid values can be obtained.
SubjectAltName	Array of String	Domain names associated with the certificate (including the primary domain name) Note: this field may return null, indicating that no valid values can be obtained.
IsVip	Boolean	Whether the customer is a VIP customer Note: this field may return null, indicating that no valid values can be obtained.

IsWildcard	Boolean	Whether the certificate is a wildcard certificate Note: this field may return null, indicating that no valid values can be obtained.
IsDv	Boolean	Whether the certificate is a DV certificate Note: this field may return null, indicating that no valid values can be obtained.
IsVulnerability	Boolean	Whether the vulnerability scanning feature is enabled Note: this field may return null, indicating that no valid values can be obtained.
RenewAble	Boolean	Whether the certificate can be reissued Note: this field may return null, indicating that no valid values can be obtained.
SubmittedData	<a href="#">SubmittedData</a>	Submitted data Note: this field may return null, indicating that no valid values can be obtained.
Deployable	Boolean	Whether the certificate can be deployed Note: this field may return null, indicating that no valid values can be obtained.
Tags	Array of <a href="#">Tags</a>	List of tags Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
CAEncryptAlgorithms	Array of String	All encryption methods of the ca certificate. only valid when the certificate type CertificateType is ca. Note: this field may return null, indicating that no valid values can be obtained.
CACCommonNames	Array of String	All common names of the ca certificate. only valid when the certificate type CertificateType is ca. Note: this field may return null, indicating that no valid values can be obtained.
CAEndTimes	Array of String	All expiration times of the ca certificate. only valid when the certificate type CertificateType is ca. Note: this field may return null, indicating that no valid values can be obtained.
DvRevokeAuthDetail	Array of <a href="#">DvAuths</a>	The authentication value for DV certificate revocation. Note: This field may return null, indicating that no valid values can be obtained.

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

## 4. Example

### Example1 Obtain Certificate Information

Obtain certificate information

#### Input Example

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

{
  "CertificateId": "hhe**jjsj"
}
```

#### Output Example

```
{
  "Response": {
    "OwnerUin": "100017***920",
    "ProjectId": "0",
    "From": "trustasia",
    "CertificateType": "SVR",
    "PackageType": "83",
    "ProductZhName": "TrustAsia C1 DV Free",
    "Domain": "zrhh.online",
    "Alias": "",
    "Status": 1,
    "StatusMsg": "CA-REVIEWING",
    "VerifyType": "DNS_AUTO",
    "VulnerabilityStatus": "INACTIVE",
    "CertBeginTime": "2024-11-27 08:00:00",
    "CertEndTime": "2025-02-26 07:59:59",
    "ValidityPeriod": "3",
    "InsertTime": "2024-11-27 17:44:36",
    "OrderId": "Hy***85G_mZOLxSuw",
```

```
"DvAuthDetail": {
  "DvAuths": null,
  "DvAuthKey": null,
  "DvAuthValue": null,
  "DvAuthDomain": null,
  "DvAuthPath": null,
  "DvAuthKeySubDomain": ""
},
"VulnerabilityReport": null,
"CertificateId": "Juz8JAxn",
>StatusName": "Issued"
"SubjectAltName": [
  "www.zrhh.online"
],
"IsVip": false,
"IsWildcard": false,
"IsDv": true,
"IsVulnerability": false,
"RenewAble": false,
"SubmittedData": null,
"Deployable": true,
"Tags": [],
"CAEncryptAlgorithms": [],
"CACommonNames": [],
"CAEndTimes": [],
"DvRevokeAuthDetail": [],
"CertificateExtra": {
  "SMCert": 0,
  "ReplacedBy": null,
  "OriginCertificateId": null,
  "ReplacedFor": null,
  "RenewOrder": null,
  "DomainNumber": "1",
  "CompanyType": 1
},
"PackageTypeName": "TrustAsia C1 DV Free",
"RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
}
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CannotBeDeletedIssued	Failed to delete the certificate because it has been issued.
FailedOperation.CannotBeDeletedWithinHour	Free certificates cannot be deleted within 1 hour after being applied for.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateMismatch	The certificate and the private key do not match.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.ExceedsFreeLimit	The number of free certificates exceeds the maximum value.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.

FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.OrderAlreadyReplaced	This order has already been replaced.
FailedOperation.OrderReplaceFailed	Failed to reissue a certificate.
InternalError	Internal error.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.

# DescribeCertificateOperateLogs

Last updated : 2025-02-27 16:22:01

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to get certificate operation logs in the current account.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeCertificateOperateLogs.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	No	Integer	Offset. The default value is 0.
Limit	No	Integer	Number of requested logs, 20 by default, with a maximum value of 1000. if it exceeds 1000, it will be treated as 1000.
StartTime	No	Timestamp	Start time. The default value is 15 days ago.
EndTime	No	Timestamp	End time. The default value is the current time.

### 3. Output Parameters

Parameter Name	Type	Description
AllTotal	Integer	Total number of logs that meet query conditions
TotalCount	Integer	Number of logs returned for this request
OperateLogs	Array of <a href="#">OperationLog</a>	Certificate operation log list Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Retrieve the 5 Most Recent Certificate Operation Logs For a User From the Past 15 Days

##### Input Example

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

{
  "Limit": 5,
  "Offset": 0
}
```

##### Output Example

```
{
  "Response": {
    "AllTotal": 29,
    "TotalCount": 5,
    "OperateLogs": [
      {
```



```
"Action": "User [uin: 100017155920] deletes certificate [id: JiDVp1SG]"
"CreatedOn": "2024-11-28 15:02:12",
"Uin": "100017155920",
"SubAccountUin": "100017155920",
"CertId": "JiDVp1SG",
"Type": "delete"
},
{
"Action": "User [uin: --] applies for certificate [id: JiDVp1SG]"
"CreatedOn": "2024-11-27 18:16:29",
"Uin": "100017155920",
"SubAccountUin": "--",
"CertId": "JiDVp1SG",
"Type": "revoked"
},
{
"Action": "User [uin: 100017155920] revokes certificate [id: JiDVp1SG]"
"CreatedOn": "2024-11-27 17:46:19",
"Uin": "100017155920",
"SubAccountUin": "100017155920",
"CertId": "JiDVp1SG",
"Type": "revoke"
},
{
"Action": "User [uin: --] issues certificate [id: Juz8JAxn]"
"CreatedOn": "2024-11-27 17:45:21",
"Uin": "100017155920",
"SubAccountUin": "--",
"CertId": "Juz8JAxn",
"Type": "issued"
},
{
"Action": "User [uin: --] issues certificate [id: Juz9IaDi]"
"CreatedOn": "2024-11-27 17:45:09",
"Uin": "100017155920",
"SubAccountUin": "--",
"CertId": "Juz9IaDi",
"Type": "issued"
}
],
"RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
}
}
```

## 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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.

# DescribeHostUpdateRecord

Last updated : 2024-12-02 16:46:21

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

Query certificate cloud resource update record list

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeHostUpdateRecord.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	No	Integer	Paging offset, starting from 0
Limit	No	Integer	Number per page, 10 by default.
CertificateId	No	String	New certificate ID
OldCertificateId	No	String	Old certificate ID

## 3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	Total count Note: This field may return null, indicating that no valid value can be obtained.
DeployRecordList	Array of <a href="#">UpdateRecordInfo</a>	Certificate deployment record list Note: This field may return null, indicating that no valid value can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Query Certificate Cloud Resource Update Record List

Query certificate cloud resource update record list

#### Input Example

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

{
  "OldCertificateId": "zYrIXwpu"
}
```

#### Output Example

```
{
  "Response": {
    "TotalCount": 1,
    "DeployRecordList": [
      {
        "Id": 1,
        "CertId": "zXkBVP88",
        "OldCertId": "zYrIXwpu",
        "ResourceTypes": [
```

```
"cdn"  
],  
"Status": 1,  
"CreateTime": "2022-10-09 17:38:38",  
"UpdateTime": "2022-10-09 19:21:35"  
}  
],  
"RequestId": "11111111111111"  
}  
}
```

## 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](#)
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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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateNotAvailable	The certificate is not available. Please check and try again.

FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.

# DescribeHostUpdateRecordDetail

Last updated : 2025-02-27 16:22:00

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to query the update record details of certificate cloud resources.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeHostUpdateRecordDetail.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
DeployRecordId	Yes	String	Deployment record id, which is the record id returned by calling the UpdateCertificateInstance api, or the record id returned by calling the UpdateCertificateRecordRollback rollback api.
Limit	No	String	Number of items per page. the default is 10. the maximum value is 200.
Offset	No	String	Pagination offset, starting from 0. default is 0.

### 3. Output Parameters

Parameter Name	Type	Description
TotalCount	Integer	If the total number cannot be obtained, return 0. Note: this field may return null, indicating that no valid values can be obtained.
RecordDetailList	Array of <a href="#">UpdateRecordDetails</a>	Certificate deployment record list; returns an empty array if no value is obtained. Note: this field may return null, indicating that no valid values can be obtained.
SuccessTotalCount	Integer	Total number of successes; returns 0 if unavailable. Note: this field may return null, indicating that no valid values can be obtained.
FailedTotalCount	Integer	Total number of failures. if it cannot be obtained, return 0. Note: this field may return null, indicating that no valid values can be obtained.
RunningTotalCount	Integer	Total number of deployments in progress; returns 0 if unavailable. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Query Certificate Cloud Resource Update Record Information

##### Input Example

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

{
```



```
"DeployRecordId": "193752",
"Limit": "10",
"Offset": "0"
}
```

## Output Example

```
{
  "Response": {
    "TotalCount": 27,
    "SuccessTotalCount": 27,
    "FailedTotalCount": 0,
    "RunningTotalCount": 0,
    "RecordDetailList": [
      {
        "ResourceType": "cdn",
        "List": [
          {
            "Id": 193752,
            "CertId": "B7OXLIdj",
            "OldCertId": "AN1Gys31",
            "Domains": [
              "cdn.tencent.com"
            ],
            "ResourceType": "cdn",
            "Region": "",
            "Status": 1,
            "ErrorMsg": "",
            "CreateTime": "2024-08-23T01:34:43.000000Z",
            "UpdateTime": "2024-08-23T01:36:20.000000Z",
            "InstanceId": "",
            "InstanceName": "",
            "ListenerId": "",
            "ListenerName": "",
            "Protocol": "",
            "SniSwitch": 0,
            "Bucket": "",
            "Port": 0,
            "Namespace": "",
            "SecretName": "",
            "EnvId": "",
            "TCBType": ""
          }
        ],
        "TotalCount": 11
      }
    ]
  }
}
```

```
{
  "ResourceType": "clb",
  "List": [
    {
      "Id": 193763,
      "CertId": "B7OXLIdj",
      "OldCertId": "AN1Gys31",
      "Status": 1,
      "ErrorMsg": "",
      "CreateTime": "2024-08-23T01:34:44.000000Z",
      "UpdateTime": "2024-08-23T01:36:08.000000Z",
      "InstanceId": "lb-o47f78kg",
      "InstanceName": "CLB Test",
      "ListenerId": "lbl-mua8dxt8",
      "ListenerName": "ni",
      "Domains": [
        "clb.tencent.com"
      ],
      "Protocol": "HTTPS",
      "SniSwitch": 1,
      "ResourceType": "clb",
      "Region": "ap-guangzhou",
      "Bucket": "",
      "Namespace": "",
      "SecretName": "",
      "Port": 0,
      "EnvId": "",
      "TCBType": "",
      "Url": "/index"
    }
  ],
  "TotalCount": 3
},
{
  "ResourceType": "tke",
  "List": [
    {
      "Id": 193766,
      "CertId": "B7OXLIdj",
      "OldCertId": "AN1Gys31",
      "Status": 1,
      "ErrorMsg": "",
      "CreateTime": "2024-08-23T01:35:19.000000Z",
      "UpdateTime": "2024-08-23T01:35:55.000000Z",
      "InstanceId": "cls-j8cfpj7c",
      "InstanceName": "ssltest",
      "Namespace": "default",
    }
  ]
}
```

```
"SecretName": "hathlim-b2cgngoq",
"ListenerId": "",
"ListenerName": "",
"Protocol": "",
"SniSwitch": 0,
"Bucket": "",
"Domains": [],
"ResourceType": "tke",
"Region": "ap-guangzhou",
"Port": 0,
"EnvId": "",
"TCBType": ""
},
],
"TotalCount": 1
},
{
"ResourceType": "vod",
"List": [
{
"Id": 193767,
"CertId": "B7OXLIdj",
"OldCertId": "AN1Gys31",
"Domains": [
"vod.tencent.com"
],
"ResourceType": "vod",
"Region": "",
"Status": 1,
"ErrorMsg": "",
"CreateTime": "2024-08-23T01:35:26.000000Z",
"UpdateTime": "2024-08-23T01:35:57.000000Z",
"InstanceId": "",
"InstanceName": "",
"ListenerId": "",
"ListenerName": "",
"Protocol": "",
"SniSwitch": 0,
"Bucket": "",
"Port": 0,
"Namespace": "",
"SecretName": "",
"EnvId": "",
"TCBType": ""
}
],
"TotalCount": 4
```

```
},
{
  "ResourceType": "apigateway",
  "List": [
    {
      "Id": 193771,
      "CertId": "B7OXLIdj",
      "OldCertId": "AN1Gys31",
      "Domains": [
        "apigw.tencent.com"
      ],
      "ResourceType": "apigateway",
      "Region": "ap-shanghai",
      "Status": 1,
      "ErrorMsg": "",
      "CreateTime": "2024-08-23T01:35:27.000000Z",
      "UpdateTime": "2024-08-23T01:36:04.000000Z",
      "InstanceId": "service-8sk7cqmd",
      "InstanceName": "ninghhuang",
      "ListenerId": "",
      "ListenerName": "",
      "Protocol": "http&https",
      "SniSwitch": 0,
      "Bucket": "",
      "Port": 0,
      "Namespace": "",
      "SecretName": "",
      "EnvId": "",
      "TCBType": ""
    }
  ],
  "TotalCount": 5
},
{
  "ResourceType": "live",
  "List": [
    {
      "Id": 193776,
      "CertId": "B7OXLIdj",
      "OldCertId": "AN1Gys31",
      "Domains": [
        "live.tencent.com"
      ],
      "ResourceType": "live",
      "Region": "",
      "Status": 1,
      "ErrorMsg": "",

```

```
"CreateTime": "2024-08-23T01:35:32.000000Z",
"UpdateTime": "2024-08-23T01:36:07.000000Z",
"InstanceId": "",
"InstanceName": "",
"ListenerId": "",
"ListenerName": "",
"Protocol": "",
"SniSwitch": 0,
"Bucket": "",
"Port": 0,
"Namespace": "",
"SecretName": "",
"EnvId": "",
"TCBType": ""
},
"TotalCount": 3
},
"RequestId": "79b4dae4-51a7-4345-9b2b-0c6a29f69291"
}
```

## 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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateDeployNotExist	The certificate deployment record does not exist.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.

# DownloadCertificate

Last updated : 2025-02-27 16:21:59

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to download a certificate.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DownloadCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Certificate ID

## 3. Output Parameters

Parameter Name	Type	Description
Content	String	ZIP content encoded by using Base64. After the content is decoded by using

		Base64, it can be saved as a ZIP file. Note: this field may return null, indicating that no valid values can be obtained.
ContentType	String	MIME type. <code>application/zip</code> : ZIP file Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Downloading a certificate

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: DownloadCertificate
{
  "CertificateId": "hehx***hshj"
}
```

#### Output Example

```
{
  "Response": {
    "Content": "UESD.....vAAA",
    "ContentType": "application/zip",
    "RequestId": "084d5612-67a7-4aca-aac9-827aa3662b2d"
  }
}
```

## 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.AuthError	You do not have permission to perform this operation.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CannotBeDeletedIssued	Failed to delete the certificate because it has been issued.
FailedOperation.CannotBeDeletedWithinHour	Free certificates cannot be deleted within 1 hour after being applied for.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateMismatch	The certificate and the private key do not match.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.ExceedsFreeLimit	The number of free certificates exceeds the maximum value.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.

---

FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.OrderAlreadyReplaced	This order has already been replaced.
FailedOperation.OrderReplaceFailed	Failed to reissue a certificate.
InternalError	Internal error.

# ModifyCertificateAlias

Last updated : 2025-02-27 16:21:59

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to modify a certificate alias by passing in the certificate ID and new alias.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: ModifyCertificateAlias.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Certificate ID
Alias	No	String	Alias

## 3. Output Parameters

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

CertificateId	String	ID of the successfully modified certificate
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Modifying a certificate alias

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyCertificateAlias

{
  "CertificateId": "hex***hshj",
  "Alias": "others"
}
```

#### Output Example

```
{
  "Response": {
    "CertificateId": "hex***hshj",
    "RequestId": "9b397ac6-7d01-4fbc-8acc-52dd6ff0877b"
  }
}
```

## 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 Node.js](#)
- [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.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.
InvalidParameter	The parameter is incorrect.

# ModifyCertificateProject

Last updated : 2025-02-27 16:21:58

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to modify the projects of multiple certificates.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: ModifyCertificateProject.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateIdList.N	Yes	Array of String	ID list of certificates whose projects need to be modified. A maximum of 100 certificate IDs are supported.
ProjectId	Yes	Integer	Project ID

## 3. Output Parameters

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

SuccessCertificates	Array of String	List of certificates whose projects were modified successfully Note: this field may return null, indicating that no valid values can be obtained.
FailCertificates	Array of String	List of certificates whose projects failed to be modified Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Modifying the project of a certificate

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyCertificateProject

{
  "CertificateIdList": [
    "8ea2a8ee",
    "4084da1d",
    "e45e529f"
  ],
  "ProjectId": 673782
}
```

#### Output Example

```
{
  "Response": {
    "FailCertificates": [],
    "SuccessCertificates": [
      "8ea2a8ee",
      "4084da1d",
      "e45e529f"
    ],
    "RequestId": "95adbcc1-a0bb-4b9c-acf6-5c4e514b945f"
  }
}
```

```
}  
}
```

## 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 Node.js](#)
- [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.AuthError	You do not have permission to perform this operation.
FailedOperation.CAMAuthorizedFail	A CAM authentication error occurred.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.



# ModifyCertificateResubmit

Last updated : 2025-02-27 16:21:58

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to re-submit a review application for a paid certificate whose review failed or was canceled.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: ModifyCertificateResubmit.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	The certificate ID.

## 3. Output Parameters

Parameter Name	Type	Description
CertificateId	String	The certificate ID.

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

## 4. Example

### Example1 Re-submitting a review application for a certificate whose review failed

#### Input Example

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

{
  "CertificateId": "The**hhs"
}
```

#### Output Example

```
{
  "Response": {
    "CertificateId": "The**hhs",
    "RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.CertificateStatusNotAllowResubmit	You cannot re-submit a review application for a certificate in this status.
InvalidParameter.CertificateStatusNotAllowResubmit	u200cYou cannot re-submit a review application for a certificate in this status.
InvalidParameter.WithDetailReason	The parameter is incorrect.

# ReplaceCertificate

Last updated : 2025-02-27 16:21:57

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to reissue a certificate. Note that if you have applied for a free certificate, only an RSA-2048 certificate will be reissued, and the certificate can be reissued only once.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: ReplaceCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Certificate ID
ValidType	Yes	String	Validation type. <code>DNS_AUTO</code> : automatic DNS validation; <code>DNS</code> : manual DNS validation; <code>FILE</code> : file validation
CsrType	No	String	Type. <code>Original</code> : original certificate CSR; <code>Upload</code> : uploaded manually; <code>Online</code> : generated online. The default value is original.
CsrContent	No	String	CSR content, required when uploading manually.

CsrkeyPassword	No	String	Password of the key
Reason	No	String	Reissue reason
CertCSREncryptAlgo	No	String	The CSR encryption algorithm. Valid values: <code>RSA</code> (default), <code>ECC1</code> , and <code>SM2</code> . This parameter is available for selection only when the value of <code>CsrType</code> is <code>Online</code> .
CertCSRKeyParameter	No	String	The CSR encryption parameters. When <code>CsrEncryptAlgo</code> is set to <code>RSA</code> , <code>2048</code> (default) and <code>4096</code> are available for selection; and when <code>CsrEncryptAlgo</code> is set to <code>ECC</code> , <code>prime256v1</code> (default) and <code>secp384r1</code> are available for selection.

### 3. Output Parameters

Parameter Name	Type	Description
CertificateId	String	Certificate ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Reissue Certificate - Using the Original Certificate CSR

##### Input Example

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

{
  "CertificateId": "KPX97tim",
```

```
"ValidType": "DNS",
"CsrType": "Original",
"Reason": "No longer wanted"
}
```

### Output Example

```
{
  "Response": {
    "CertificateId": "a91hoLqo",
    "RequestId": "91afa3b6-5b67-43e1-b312-9d3b9bf0f410"
  }
}
```

## Example2 Reissue Certificate - Generate CSR Online

### Input Example

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

{
  "CertificateId": "KPX97tim",
  "ValidType": "DNS",
  "CsrType": "Online",
  "Reason": "No longer wanted"
}
```

### Output Example

```
{
  "Response": {
    "CertificateId": "TfRfcXz1",
    "RequestId": "91afa3b6-5b67-43e1-b312-9d3b9bf0f410"
  }
}
```

## Example3 Reissue Certificate - Using Uploaded CSR

### Input Example

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

{
  "CertificateId": "KPX97tim",
  "ValidType": "DNS",
  "CsrType": "Upload",
  "CsrContent": "-----BEGIN CERTIFICATE REQUEST-----\nMIIBajCCARECAQAwga4xCzAJBgNV
BAYTAKNOMRswGQYDVQQIDBLDp8Kmwo/DpcK7\n-----END CERTIFICATE REQUEST-----",
  "Reason": "No longer wanted"
}
```

### Output Example

```
{
  "Response": {
    "CertificateId": "TfRfcXz1",
    "RequestId": "91afa3b6-5b67-43e1-b312-9d3b9bf0f410"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CannotBeDeletedIssued	Failed to delete the certificate because it has been issued.
FailedOperation.CannotBeDeletedWithinHour	Free certificates cannot be deleted within 1 hour after being applied for.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateMismatch	The certificate and the private key do not match.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.ExceedsFreeLimit	The number of free certificates exceeds the maximum value.
FailedOperation.InvalidCertificateSource	Certificate source error.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.OrderAlreadyReplaced	This order has already been replaced.
FailedOperation.OrderReplaceFailed	Failed to reissue a certificate.
InternalError	Internal error.
InvalidParameter.RenewAlgorithmInvalid	The algorithm is invalid.



# SubmitCertificateInformation

Last updated : 2025-02-27 16:21:57

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

Submit documentation for paid certificates; This API does not maintain new features, and you can use the new API to submit documentation. [CertificateInfoSubmit](#).

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: SubmitCertificateInformation.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Paid certificate id of materials to be submitted.
CsrType	No	String	This field is required. Generation method of CSR, valid values are: online: tencent cloud generates the CSR and private key based on the submitted parameter information and stores them encryptedly. parse: generate the CSR and private key by itself, and apply for a certificate by uploading the CSR.

CsrContent	No	String	The content of the uploaded csr. If CsrType is parse, this field is required.
CertificateDomain	No	String	The common name bound to the certificate. if a CSR is uploaded, the domain name must be consistent with the common name resolved from the CSR.
DomainList.N	No	Array of String	Other domain names bound to the certificate. not required for single domain and wildcard domain certificates. required for multiple domain names and multiple wildcard domain names.
KeyPassword	No	String	Private key password, which is currently only used for the password when generating jks and pfx format certificates; other formats of private key certificates are not encrypted.
OrganizationName	No	String	This field is required. Company name.
OrganizationDivision	No	String	This field is required. Department name.
OrganizationAddress	No	String	This field is required. Company's detailed address.
OrganizationCountry	No	String	This field is required. Country name such as CN.
OrganizationCity	No	String	This field is required, which specifies the city where the company is located.
OrganizationRegion	No	String	This field is required, specifying the province where the company is located.
PostalCode	No	String	Postal code of the organization
PhoneAreaCode	No	String	This field is required, the company's fixed-line phone area code.
PhoneNumber	No	String	This field is required, the company's landline number.
VerifyType	No	String	Certificate validation method. Validation types: DNS_AUTO = Automatic DNS validation (only supported for domains resolved by Tencent Cloud DNS with a normal resolution status), DNS = Manual DNS validation, FILE = File validation.
AdminFirstName	No	String	This field is required, manager name.
AdminLastName	No	String	This field is required, the manager's surname.
AdminPhoneNum	No	String	This field is required, the manager's mobile phone number.
AdminEmail	No	String	This field is required, the manager's email address.

AdminPosition	No	String	This field is required, the manager position.
ContactFirstName	No	String	This field is required, the contact person name.
ContactLastName	No	String	This field is required, the contact person's surname.
ContactEmail	No	String	This field is required, the contact person's email address.
ContactNumber	No	String	This field is required, the contact person's mobile phone number.
ContactPosition	No	String	This field is required, the contact person position.
IsDV	No	Boolean	Indicates whether it is a dv certificate. default value is false.

### 3. Output Parameters

Parameter Name	Type	Description
CertificateId	String	Certificate ID
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Payment Certificate Submission Materials

##### Input Example

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

{
  "CertificateId": "abcb1234",
  "CsrType": "online",
  "CertificateDomain": "*.test-dq342da.com",
```

```
"OrganizationName": "Tencent",
"OrganizationDivision": "Qcloud",
"OrganizationAddress": "No. 1000, Tencent Building, Nanshan District"
"OrganizationCountry": "CN",
"OrganizationCity": "Shenzhen"
"OrganizationRegion": "Guangdong Province"
"PhoneAreaCode": "0755",
"PhoneNumber": "86013388",
"AdminFirstName": "luke",
"AdminLastName": "sky",
"AdminPhoneNum": "12345678901",
"AdminEmail": "test@tencent.com",
"AdminPosition": "developer",
"ContactFirstName": "luke",
"ContactLastName": "sky",
"ContactEmail": "test@tencent.com",
"ContactNumber": "12345678901",
"ContactPosition": "developer"
}
```

## Output Example

```
{
  "Response": {
    "CertificateId": "heys**hsj",
    "RequestId": "9b397ac6-7d01-4fbc-8acc-52dd6ff0877b"
  }
}
```

## Example2 Upload CSR For Pay-As-You-Go Certificate Submission

### Input Example

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

{
  "CertificateId": "LrmeMvQr",
  "CsrType": "parse",
  "CsrContent": "-----BEGIN CERTIFICATE REQUEST-----\nMIIC5zCCAc8CAQAweTElMAkGA1UEBhMCQ04xEjAQBgNVBAGMCea5luWNl+ecgTES\nMBAGA1UEBwwJ6ZW/5rKZ5biCMRswGQYDVQQKDBLohb7o\nrq/kupFTU0zor4HkuaYx\nnDzANBgNVBASMBueglOWPkteUMBIGA1UEAxMLdGVuY2VudC5jb20wggEiMA0"
```

```
GCSqG\nSIb3DQEBAQUAA4IBDwAwggEKAoIBAQDWACnWh6gA1dGDdi/pJtGZtp/Wp4ou6//JM\nEu4OpXQ5
t/afvX4xPGm7laWE4aFitZpfhXc1SGVwOBwWsOArw9xwmdCDFY3Icbu9\n8O1mIAIYfMDuc8bWL5lQfuy
BeGJw+9i++E/1SkYnx3sRD+vMnlJdkaueWW4qXVo+\nZnE7FX/6Mqi1PE53ccXU55iviLHAASnztpmUmF
4vcKIVbDTsI2TF1raHwdnmvQFxnvi fh7h49xRz3Jj3QWCJqdtGKAktFzofDCYPKcIKT4A52u7WsoBspL
Ids1H93dITD\nVxnZaE3oe4sHfQpnlHRb072Cz1QEgGBQeOW/wH8/WygFiRIWHwZpAgMBAAGgKTAN\nBg
kqhkiG9w0BCQ4xGjAYMBYGA1UdEQQPMA2CC3RlbnNlbnQuY29tMA0GCSqGSIB3\nDQEBCwUAA4IBAQAcr
+Wy3uqr+PL+uUMwd1scB7x27/j2JDXTKBdZnsLnaEFCzz2f\nny4aqN7hWLHNEoqGGNSg5luKO6DCFXOnz
u6/bI4Ziy/w003RD1wMPinpo0C0YIzwm\nw99sDPoI1qIxAoNEVLOP11EnPPdlq/D7T4UOMjPxyjYSo4Ge
2BcG5Bk1zTu/O8She\nxHc6lEWniExaYomIboULnLTdSI1Dx0g7segNMvhLGUjRyump3/0jANfk7qbS0N
nz\n6Q/i0NmiqUiA38iTdIBY57QAJBbXiJJ3HRF5wZyJESobTr9dHPuZH4ebJvfSanBp\nn4KqzUxjAe5G
ZJs/z5EuJkG/LC/h1L3rFT7AS\n-----END CERTIFICATE REQUEST-----\n",
"CertificateDomain": "tencent.com",
"OrganizationName": "Tencent Cloud SSL Certificate Test"
"OrganizationDivision": "Qcloud",
OrganizationAddress: "No. 1000, Tencent Building, Nanshan District"
"OrganizationCountry": "CN",
"OrganizationCity": "Shenzhen"
"OrganizationRegion": "Guangdong Province"
"PhoneAreaCode": "0755",
"PhoneNumber": "86013388",
"AdminFirstName": "luke",
"AdminLastName": "sky",
"AdminPhoneNum": "12345678901",
"AdminEmail": "test@tencent.com",
"AdminPosition": "developer",
"ContactFirstName": "luke",
"ContactLastName": "sky",
"ContactEmail": "test@tencent.com",
"ContactNumber": "12345678901",
"ContactPosition": "developer"
}
```

## Output Example

```
{
  "Response": {
    "CertificateId": "jhsy**jsj",
    "RequestId": "9b397ac6-7d01-4fbc-8acc-52dd6ff0877b"
  }
}
```

## 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 Node.js](#)
- [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.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.ExceedsFreeLimit	The number of free certificates exceeds the maximum value.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.

# UpdateCertificateInstance

Last updated : 2025-02-27 16:21:56

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to one-click update old certificate resources. This API is asynchronous. After calling it, if DeployRecordId is 0, it means the task is in progress. Repeat the request to this API. When the returned DeployRecordId is greater than 0, it means the task creation is successful. If it is not created successfully, an exception will be thrown.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: UpdateCertificateInstance.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
OldCertificateId	Yes	String	The old certificate id for one-click update. by querying the cloud resources bound to this certificate id, and then updating these cloud resources with the new certificate.

ResourceTypes.N	Yes	Array of String	Resource types that need to be deployed, with optional parameter values (lowercase): clb, cdn, waf, live, ddos, teo, apigateway, vod, tke, tcb, tse, cos.
CertificateId	No	String	New certificate id for one-click update. If this parameter is not provided, the public key certificate and private key certificate must be provided.
ResourceTypesRegions.N	No	Array of <a href="#">ResourceTypeRegions</a>	List of regions where cloud resources need to be deployed. The cloud resource type of the supported region must be passed. Valid values: clb, tke, apigateway, waf, tcb, tse, cos.
CertificatePublicKey	No	String	If a public key certificate is uploaded, the private key certificate must also be uploaded, and the CertificateId does not need to be transmitted.
CertificatePrivateKey	No	String	If a private key certificate is uploaded, then a public key certificate must be uploaded; CertificateId is not required.
ExpiringNotificationSwitch	No	Integer	Whether to ignore expiration reminder for old certificate 0: do not ignore the notification. 1: ignore the notification, ignore the expiration reminder of OldCertificateId.
Repeatable	No	Boolean	It specifies whether the same certificate is allowed to be uploaded repeatedly. If the public key and private key certificates are selected for upload, this parameter can be configured. If there are duplicate certificates, the update task will fail.
AllowDownload	No	Boolean	Whether to allow downloading. If you choose to upload a public/private key certificate, this parameter can be configured.
Tags.N	No	Array of <a href="#">Tags</a>	Tag list. If you choose to upload a public/private key certificate, you can



			configure this parameter.
ProjectId	No	Integer	Project id. If you choose to upload a public/private key certificate, you can configure this parameter.

### 3. Output Parameters

Parameter Name	Type	Description
DeployRecordId	Integer	Task id, DeployRecordId of 0 indicates that the task is in progress. repeatedly requesting this api, when DeployRecordId returned is greater than 0, it indicates that the task is created successfully. if not created successfully, an exception will be thrown. Note: this field may return null, indicating that no valid values can be obtained.
DeployStatus	Integer	Status of the task; 1 indicates successful creation; 0 indicates that there is a task being updated currently, and no new update task has been created; the returned value DeployRecordId is the task id being updated.
UpdateSyncProgress	Array of <a href="#">UpdateSyncProgress</a>	Task Progress Details. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 One-Click Update Of Old Certificate Resource

One-click update of old certificate resources

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
```

```
Content-Type: application/json
X-TC-Action: UpdateCertificateInstance
<Common request parameters>
```

```
{
  "CertificateId": "Th**jj",
  "OldCertificateId": "gej**kkk",
  "ResourceTypes": [
    "clb"
  ],
  "Regions": [
    "ap-guangzhou"
  ],
  "ResourceTypesRegions": [
    {
      "ResourceType": "clb",
      "Regions": [
        "ap-guangzhou"
      ]
    }
  ]
}
```

## Output Example

```
{
  "Response": {
    "DeployRecordId": 1763489,
    "DeployStatus": 0,
    "UpdateSyncProgress": [
      {
        "ResourceType": "clb",
        "UpdateSyncProgressRegions": [
          {
            "Region": "ap-guangzhou",
            "TotalCount": 0,
            "OffsetCount": 0,
            "Status": 0
          }
        ],
        "Status": 0
      }
    ],
    "RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateDeployHasPendingRecord	There is a running certificate deployment task. Please try again after the deployment is complete.
FailedOperation.CertificateDeployInstanceEmpty	There is no instance for the selected cloud resource. Updating failed. Please try again after checking it.
FailedOperation.CertificateExists	The certificate already exists.

FailedOperation.CertificateHostDeployCanNotAllow	The current certificate is not allowed to use the one-click update function.
FailedOperation.CertificateHostResourceInnerInterrupt	Unable to use the deployment feature because the login account is an internal account with too many instance resources. Please contact us to handle it.
FailedOperation.CertificateHostResourceInstanceHugeLimit	There are too many instances under the current account. Loading cannot be performed properly. Please switch the loading mode. After switching, click "Refresh List" and wait for a period of time. Then, all the instances can be loaded.
FailedOperation.CertificateHostResourceTypeInvalid	The cloud resource type is invalid.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateMatchError	Note: the certificate content and private key do not match. please check (pay attention to whether there are extra spaces).
FailedOperation.CertificateNotAvailable	The certificate is not available. Please check and try again.
FailedOperation.CertificateNotDeployInstance	The certificate is not allowed to be deployed under the instance list.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.CertificateParseError	Parsing failed. check if the certificate meets the standard and pay attention to whether there are extra spaces.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.RoleNotFoundAuthorization	The role does not exist. Please authorize the role first.
InternalError	Internal error.
InvalidParameter.WithDetailReason	The parameter is incorrect.

---

InvalidParameterValue.IntermediateCertNotSame	Intermediate certificate inconsistent.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.

# UpdateCertificateRecordRetry

Last updated : 2025-02-27 16:21:56

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

Cloud resource update deployment retry record

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: UpdateCertificateRecordRetry.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
DeployRecordId	No	Integer	Record ID for pending retry deployment, which can be obtained through UpdateCertificateInstance. If this parameter is not provided, DeployRecordDetailId must be provided.
DeployRecordDetailId	No	Integer	Detail ID for pending retry deployment record, which can be obtained through the DescribeHostUpdateRecordDetail api. If this parameter is not provided, DeployRecordId must be provided.

## 3. Output Parameters

Parameter Name	Type	Description
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Cloud Resource Update Retry Deployment History

Cloud resource update and deployment retry history

#### Input Example

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

{
  "DeployRecordId": 1499393,
  "DeployRecordDetailId": 46737382
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateDeployHasPendingRecord	There is a running certificate deployment task. Please try again after the deployment is complete.
FailedOperation.CertificateDeployRetryStatusInvalid	This operation can be performed only when the record status is Failed.
FailedOperation.CertificateNotDeployInstance	The certificate is not allowed to be deployed under the instance list.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.



# UpdateCertificateRecordRollback

Last updated : 2025-02-27 16:21:55

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

Cloud resource update one-click rollback

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: UpdateCertificateRecordRollback.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
DeployRecordId	No	Integer	To-be-redeployed record ID

## 3. Output Parameters

Parameter Name	Type	Description
DeployRecordId	Integer	Rollback deployment record ID

RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.
-----------	--------	---

## 4. Example

### Example1 Cloud resource update one-click rollback

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: UpdateCertificateRecordRollback

{
  "DeployRecordId": 17747848
}
```

#### Output Example

```
{
  "Response": {
    "DeployRecordId": 8848499,
    "RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
  }
}
```

## 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 Node.js](#)

- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateDeployDetailRollbackStatusInvalid	This operation can be performed only when the record status is Complete.
FailedOperation.CertificateDeployHasPendingRecord	There is a running certificate deployment task. Please try again after the deployment is complete.
FailedOperation.CertificateDeployRetryStatusInvalid	This operation can be performed only when the record status is Failed.
FailedOperation.CertificateDeployRollbackStatusInvalid	A rollback can be performed only when there is a record indicating successful deployment.
FailedOperation.CertificateNotDeployInstance	The certificate is not allowed to be deployed under the instance list.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.

---

LimitExceeded.RateLimitExceeded	The API rate limit is reached.
---------------------------------	--------------------------------

# UploadConfirmLetter

Last updated : 2024-12-02 16:46:07

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to upload the confirmation letter for a certificate.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: UploadConfirmLetter.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Certificate ID
ConfirmLetter	Yes	String	Base64-encoded confirmation letter file, which must be a JPG, JPEG, PNG, or PDF file of 1 KB to 1.4 MB

## 3. Output Parameters

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

CertificateId	String	Certificate ID
IsSuccess	Boolean	Whether the operation is successful
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Uploading the confirmation letter for a certificate

#### Input Example

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

{
  "CertificateId": "f1SFd6Fh",
  "ConfirmLetter": "UESDBBQABgAIAAAAIQCM19MmCg....."
}
```

#### Output Example

```
{
  "Response": {
    "RequestId": "15dc3823-4089-4fd6-81a6-ec8baf5ec330",
    "CertificateId": "f1SFd6Fh",
    "IsSuccess": true
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.ConfirmLetterTooLarge	The confirmation letter file cannot exceed 1.4 MB.
FailedOperation.ConfirmLetterTooSmall	The confirmation letter file cannot be smaller than 1 KB.
FailedOperation.InvalidCertificateSource	Certificate source error.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidConfirmLetterFormat	The format of the confirmation letter file is invalid (JPG, JPEG, PNG, and PDF are supported).
FailedOperation.InvalidConfirmLetterFormatWosign	The format of the confirmation letter file is invalid (JPG, PDF, and GIF are supported).
FailedOperation.NetworkError	The CA system is busy. Try again later.
InternalError	Internal error.

# CreateCertificateBindResourceSyncTask

Last updated : 2025-02-27 16:22:05

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to create an async task for querying the cloud resources associated with a certificate. If such a task already exists under the certificate ID, the ID of this task is returned as the result. The following types of cloud resources are supported: CLB, CDN, WAF, LIVE, VOD, DDOS, TKE, APIGATEWAY, TCB, and TEO (EDGEONE). You can query the result of this task using the `DescribeCertificateBindResourceTaskResult` API.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: CreateCertificateBindResourceSyncTask.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateIds.N	Yes	Array of String	The list of certificate IDs, 100 IDs at most.
IsCache	Yes	Integer	Whether to use the cached results. Valid values: <code>1</code> (default) for yes and <code>0</code> for no. If any task completed within last 30 minutes exists under the current certificate ID, and the cache is used, the



query result of the last task completed within 30 minutes will be read.

### 3. Output Parameters

Parameter Name	Type	Description
CertTaskIds	Array of <a href="#">CertTaskId</a>	The IDs of async tasks for querying cloud resources associated with a certificate.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Creating an async task for querying cloud resources associated with a certificate

##### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateCertificateBindResourceSyncTask

{
  "CertificateIds": [
    "T****hh"
  ],
  "IsCache": 1
}
```

##### Output Example

```
{
  "Response": {
    "CertTaskIds": [
      {
        "CertId": "T****hh",
        "TaskId": "7**99"
      }
    ]
  }
}
```

```
}  
],  
"RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"  
}  
}
```

## 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 Node.js](#)
- [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.CertificateHostResourceInnerInterrupt	Unable to use the deployment feature because the login account is an internal account with too many instance resources. Please contact us to handle it.
FailedOperation.CertificateNotFound	The certificate does not exist.

# DescribeCertificateBindResourceTaskDetail

Last updated : 2025-02-27 16:22:03

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to query the task result of CreateCertificateBindResourceSyncTask, returning the asynchronous task result of the certificate associated with cloud resources, supporting the following cloud resources: clb, cdn, waf, live, vod, ddos, tke, apigateway, tcb, teo (edgeOne), cos.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeCertificateBindResourceTaskDetail.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
TaskId	Yes	String	Task id, which can be used to query the result of binding cloud resources according to the task id obtained from createcertificatebindresourcesynctask.
Limit	No	String	The number of cloud resources displayed on each page. The default value is 10, and the maximum value is 100.
Offset	No	String	Current offset, default is 0.
ResourceTypes.N	No	Array	Result detail of queried resource type. if not provided, all will be

		of String	queried. valid values include: <ul style="list-style-type: none"> <li>- clb.</li> <li>- cdn.</li> <li>- ddos.</li> <li>- live.</li> <li>- vod.</li> <li>- waf.</li> <li>- apigateway.</li> <li>- teo.</li> <li>- tke.</li> <li>- cos.</li> <li>- tse.</li> <li>- tcb.</li> </ul>
Regions.N	No	Array of String	Data of querying region list. clb, tke, waf, api gateway, tcb, cos, and tse support region query, while other resource types do not support.

### 3. Output Parameters

Parameter Name	Type	Description
CLB	Array of <a href="#">ClbInstanceList</a>	The details of associated CLB resources. Note: This field may return null, indicating that no valid values can be obtained.
CDN	Array of <a href="#">CdnInstanceList</a>	The details of associated CDN resources. Note: This field may return null, indicating that no valid values can be obtained.
WAF	Array of <a href="#">WafInstanceList</a>	The details of associated WAF resources. Note: This field may return null, indicating that no valid values can be obtained.
DDOS	Array of <a href="#">DdosInstanceList</a>	The details of associated Anti-DDS resources. Note: This field may return null, indicating that no valid values can be obtained.
LIVE	Array of <a href="#">LiveInstanceList</a>	The details of associated LIVE resources. Note: This field may return null, indicating that no valid values can be obtained.
VOD	Array of	The details of associated VOD resources.

	<a href="#">VODInstanceList</a>	Note: This field may return null, indicating that no valid values can be obtained.
TKE	Array of <a href="#">TkeInstanceList</a>	The details of associated TKE resources. Note: This field may return null, indicating that no valid values can be obtained.
APIGATEWAY	Array of <a href="#">ApiGatewayInstanceList</a>	The details of associated APIGATEWAY resources. Note: This field may return null, indicating that no valid values can be obtained.
TCB	Array of <a href="#">TCBInstanceList</a>	The details of associated TCB resources. Note: This field may return null, indicating that no valid values can be obtained.
TEO	Array of <a href="#">TeoInstanceList</a>	The details of associated TEO resources. Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	The status of the async task. Valid values: <code>0</code> for querying, <code>1</code> for successful, and <code>2</code> for abnormal. If the status is <code>1</code> , check the result of <code>BindResourceResult</code> ; if the status is <code>2</code> , check the <code>error</code> .
CacheTime	String	The cache time of the current result.
TSE	Array of <a href="#">TSEInstanceList</a>	Associated TSE resource details Note: This field may return null, indicating that no valid value can be obtained.
COS	Array of <a href="#">COSInstanceList</a>	Information of associated cos resource. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Certificate Associated With Cloud Resource Details

#### Input Example

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

{
  "TaskId": "758439",
  "Limit": "0",
  "Offset": "10"
}
```

## Output Example

```
{
  "Response": {
    "CLB": [
      {
        "Region": "ap-guangzhou",
        "InstanceList": [
          {
            "LoadBalancerId": "lb-****",
            "LoadBalancerName": "lb-zrh",
            "Listeners": [
              {
                "ListenerId": "lbl-****",
                "ListenerName": "lb-zrh",
                "SniSwitch": 1,
                "Protocol": "https",
                "Certificate": {
                  "CertId": "T***jdj",
                  "DnsNames": [
                    "www.test.com"
                  ],
                  "CertCaId": "T***jdj",
                  "SSLMode": "mutual"
                },
                "Rules": [
                  {
                    "LocationId": "/test",
                    "Domain": "www.test.com",
                    "IsMatch": true,
                    "Certificate": {
                      "CertId": "hr***jdj",
                      "DnsNames": [
```

```
"www.test.com"
],
"CertCaId": "hr***jdj",
"SSLMode": "mutual"
},
"NoMatchDomains": [
"www.test2.com"
]
}
],
"NoMatchDomains": [
"www.test2.com"
]
}
]
}
],
"TotalCount": 1,
"Error": ""
}
],
"CDN": [
{
"TotalCount": 1,
"InstanceList": [
{
"Domain": "www.test.com",
"CertId": "T***jdj",
"Status": "online",
"HttpsBillingSwitch": "on"
}
]
},
"Error": ""
}
],
"WAF": [
{
"Region": "ap-guangzhou",
"InstanceList": [
{
"Domain": "www.test.com",
"CertId": "T***jdj",
"Keepalive": 1
}
]
},
"TotalCount": 1,
"Error": ""
```

```
}
],
"DDOS": [
{
"TotalCount": 1,
"InstanceList": [
{
"Domain": "www.test.com",
"InstanceId": "ddos-****",
"Protocol": "https",
"CertId": "T***jdj",
"VirtualPort": "443"
}
],
"Error": ""
}
],
"LIVE": [
{
"TotalCount": 1,
"InstanceList": [
{
"Domain": "www.test.com",
"CertId": "T***jdj",
"Status": 0
}
],
"Error": ""
}
],
"VOD": [
{
"InstanceList": [
{
"Domain": "www.test.com",
"CertId": "T***jdj"
}
],
"TotalCount": 1,
"Error": ""
}
],
"TKE": [
{
"Region": "ap-guangzhou",
"InstanceList": [
{
```



```
"ClusterId": "cls-***",
"ClusterName": "zrh",
"NamespaceList": [
{
"Name": "zrh",
"SecretList": [
{
"Name": "secret-***",
"CertId": "T***jdj",
"IngressList": [
{
"IngressName": "ins-****",
"TlsDomains": [
"www.test.com"
],
"Domains": [
"www.test.com"
]
}
],
"NoMatchDomains": [
"www.test2.com"
]
}
],
"ClusterType": "tke",
"ClusterVersion": "1.16"
},
"TotalCount": 1,
"Error": ""
],
"APIGATEWAY": [
{
"Region": "ap-guangzhou",
"InstanceList": [
{
"ServiceId": "service-****",
"ServiceName": "svc-zrh",
"Domain": "www.test.com",
"CertId": "T***jdj",
"Protocol": "https"
}
],

```

```
"TotalCount": 1,
"Error": ""
},
"TCB": [
{
"Region": "ap-guangzhou",
"Error": "",
"Environments": [
{
"Environment": {
"ID": "TCB-****",
"Source": "cdn",
"Name": "test-****",
>Status": "online"
},
"AccessService": {
"InstanceList": [
{
"Domain": "www.test.com",
>Status": 0,
"UnionStatus": 0,
"IsPreempted": true,
"ICPStatus": 0,
"OldCertificateId": "jd***jdj"
}
],
"TotalCount": 0
},
"HostService": {
"InstanceList": [
{
"Domain": "www.test.com",
>Status": "online",
"DNSStatus": "online",
"OldCertificateId": "jd***jdj"
}
],
"TotalCount": 0
}
}
],
"TEO": [
{
"InstanceList": [
```

```
{
  "Host": "www.test.com",
  "CertId": "T***jdj",
  "ZoneId": "zone-*****",
  "Status": "online"
},
{
  "TotalCount": 1,
  "Error": ""
},
{
  "Status": 1,
  "CacheTime": "2023-10-12 12:00:00",
  "RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
}
}
```

## 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 Node.js](#)
- [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](#).

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Error Code	Description
FailedOperation	Operation failed.
FailedOperation.CertificateSyncTaskIdInvalid	The cert associated with the cloud resource query task id is invalid.
FailedOperation.RoleNotFoundAuthorization	The role does not exist. Please authorize the role first.

# DescribeCertificateBindResourceTaskResult

Last updated : 2025-02-27 16:22:03

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to query the result of an async task created with

`CreateCertificateBindResourceSyncTask` to query cloud resources associated with a certificate. The following types of cloud resources are supported: CLB, CDN, WAF, LIVE, VOD, DDOS, TKE, APIGATEWAY, TCB, and TEO (EDGEONE).

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeCertificateBindResourceTaskResult.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
TaskIds.N	Yes	Array of String	The task IDs, which are used to query the results of associated cloud resources, 100 IDs at most.

## 3. Output Parameters

Parameter Name	Type	Description
SyncTaskBindResourceResult	Array of <a href="#">SyncTaskBindResourceResult</a>	The results of the async tasks for querying associated cloud resources. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Querying the total number of cloud resources associated with a certificate

This example shows you how to query the total number of cloud resources associated with a certificate.

#### Input Example

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

{
  "TaskIds": [
    "abc"
  ]
}
```

#### Output Example

```
{
  "Response": {
    "SyncTaskBindResourceResult": [
      {
        "TaskId": "abc",
        "BindResourceResult": [
          {
            "ResourceType": "abc",
```

```
"BindResourceRegionResult": [  
  {  
    "Region": "abc",  
    "TotalCount": 1  
  }  
]  
},  
],  
"Status": 1,  
"Error": {  
  "Code": "abc",  
  "Message": "abc"  
},  
"CacheTime": "abc"  
},  
],  
"RequestId": "abc"  
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.CertificateSyncTaskIdInvalid	The cert associated with the cloud resource query task id is invalid.



# DescribeCertificateDetail

Last updated : 2025-02-27 16:22:02

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to get certificate details.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeCertificateDetail.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	Certificate ID

## 3. Output Parameters

Parameter Name	Type	Description
OwnerUin	String	Certificate belonging to user main account uin. Note: this field may return null, indicating that no valid values can

		be obtained.
ProjectId	String	Project ID Note: this field may return null, indicating that no valid values can be obtained.
From	String	Certificate source: trustAsia. upload. wosign. sheca. Note: this field may return null, indicating that no valid values can be obtained.
CertificateType	String	Certificate type. CA : client certificate; SVR : server certificate Note: this field may return null, indicating that no valid values can be obtained.
PackageType	String	Certificate package type: null: user uploads a certificate (no package type), 2: trustasia tls rsa ca, 3: securesite enhanced enterprise version (ev pro), 4: securesite enhanced (ev), 5: securesite enterprise pro (ov pro). 6: securesite enterprise (ov). 7: securesite enterprise (ov) wildcard. 8: geotrust enhanced (ev). 9: geotrust enterprise (ov). 10: geotrust enterprise (ov) wildcard cert. 11: trustasia domain name-based multiple domain names ssl certificate. 12: trustasia domain name-based (dv) wildcard cert. 13: trustasia enterprise wildcard (ov) ssl certificate (d3). 14: trustasia enterprise (ov) ssl certificate (d3). 15: trustasia enterprise multiple domain names (ov) ssl certificate (d3). 16: trustasia enhanced (ev) ssl certificate (d3). 17: trustasia enhanced multiple domain names (ev) ssl certificate (d3). 18: globalsign enterprise (ov) ssl certificate. 19: globalsign enterprise wildcard (ov) ssl certificate. 20: globalsign enhanced (ev) ssl certificate. 21: trustasia enterprise wildcard multiple domain names (ov) ssl certificate (d3). 22: globalsign enterprise multiple domain names (ov) ssl certificate.

- 23: globalsign enterprise wildcard multiple domain names (ov) ssl certificate.
- 24: globalsign enhanced multiple domain names (ev) ssl certificate.
- 25: wotrus domain cert.
- 26: wotrus multi-domain cert.
- 27: wotrus wildcard cert.
- 28: wotrus enterprise cert.
- 29: wotrus enterprise multi-domain cert.
- 30: wotrus enterprise wildcard certificate.
- 31: wotrus enhanced certificate.
- 32: wotrus enhanced multi-domain name certificate.
- 33: wotrus-national cryptography domain name certificate.
- 34: wotrus-national cryptography domain name certificate (multiple domain names).
- 35: wotrus-national cryptography wildcard certificate.
- 37: wotrus-national cryptography enterprise certificate.
- 38: wotrus-national cryptography enterprise certificate (multiple domain names).
- 39: wotrus-national cryptography enterprise certificate (wildcard).
- 40: wotrus-national cryptography enhanced certificate.
- 41: wotrus - national cryptography enhanced certificate (multiple domain names).
- 42: trustasia - domain name certificate (wildcard multiple domain names).
- 43: DNSPod - enterprise (ov) ssl certificate.
- 44: DNSPod - enterprise (ov) wildcard ssl certificate.
- 45: DNSPod - enterprise (ov) multiple domain names ssl certificate.
- 46: dnspod-enhanced (ev) ssl certificate.
- 47: dnspod-enhanced (ev) multiple domain names ssl certificate.
- 48: dnspod-domain name-based (dv) ssl certificate.
- 49: dnspod-domain name-based (dv) wildcard ssl certificate.
- 50: dnspod-domain name-based (dv) multiple domain names ssl certificate.
- 51: DNSPod (national cryptography) - enterprise (ov) ssl certificate.
- 52: DNSPod (national cryptography) - enterprise (ov) wildcard ssl certificate.
- 53: DNSPod (national cryptography) - enterprise (ov) multiple domain names ssl certificate.
- 54: DNSPod (national cryptography) - domain name-based (dv) ssl certificate.
- 55: DNSPod (national cryptography) - domain name-based (dv) wildcard ssl certificate.

		<p>56: DNSPod (national cryptography) - domain name-based (dv) multiple domain names ssl certificate.</p> <p>57: securesite enterprise professional version multiple domain names (ov pro).</p> <p>58: securesite enterprise multiple domain names (ov).</p> <p>59: securesite enhanced professional version multiple domain names (ev pro).</p> <p>60: securesite enhanced multiple domain names (ev).</p> <p>61: geotrust enhanced multiple domain names (ev).</p> <p>75: securesite enterprise (ov).</p> <p>76: securesite enterprise (ov) wildcard.</p> <p>77: securesite enhanced (ev).</p> <p>78: geotrust enterprise (ov).</p> <p>79: geotrust enterprise (ov) wildcard.</p> <p>80: geotrust enhanced (ev).</p> <p>81: globalsign enterprise (ov) ssl certificate.</p> <p>82: globalsign enterprise wildcard (ov) ssl certificate.</p> <p>83: trustasia c1 dv free.</p> <p>85: globalsign enhanced (ev) ssl certificate.</p> <p>88: globalsign enterprise wildcard multiple domain names (ov) ssl certificate.</p> <p>89: globalsign enterprise multiple domain names (ov) ssl certificate.</p> <p>90: globalsign enhanced multiple domain names (ev) ssl certificate.</p> <p>91: geotrust enhanced multiple domain names (ev).</p> <p>92: securesite enterprise ov pro for multiple domain names.</p> <p>93: securesite enterprise for multiple domain names (ov).</p> <p>94: securesite ev pro for multiple domain names.</p> <p>95: securesite ev for multiple domain names.</p> <p>96: securesite ev pro.</p> <p>97: securesite enterprise professional edition (ov pro).</p> <p>98: cfca enterprise (ov) ssl certificate.</p> <p>99: cfca enterprise multiple domain names (ov) ssl certificate.</p> <p>100: cfca enterprise wildcard (ov) ssl certificate.</p> <p>101: cfca enhanced (ev) ssl certificate.</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
ProductZhName	String	<p>Certificate product name.</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>
Domain	String	<p>Certificate binds to a common name domain.</p> <p>Note: this field may return null, indicating that no valid values can be obtained.</p>

Alias	String	Alias Note: this field may return null, indicating that no valid values can be obtained.
Status	Integer	Certificate status: 0 = under review, 1 = approved, 2 = review failed, 3 = expired, 4 = automatically added dns records, 5 = enterprise certificate, pending document submission, 6 = order cancellation in progress, 7 = canceled, 8 = documents submitted, pending upload of confirmation letter, 9 = certificate revocation in progress, 10 = revoked, 11 = reissue in progress, 12 = pending upload of revocation confirmation letter, 13 = free certificate pending document submission, 14 = certificate has been refunded, 15 = certificate migration in progress. Note: this field may return null, indicating that no valid values can be obtained.
StatusMsg	String	Status information. valid values: //Common status information. PRE-REVIEWING: in prereview. LEGAL-REVIEWING: in legal review. CA-REVIEWING: in ca review. PENDING-DCV: in domain verification. WAIT-ISSUE: waiting for issue (domain verification passed). Certificate review failure status information. 1. order review failed. 2. ca review failed, and the domain name did not pass the security review. 3. domain name verification timed out, and the order was automatically closed. please reapply for the certificate. 4. the certificate information did not pass the review of the certificate ca agency. the reviewer will call the contact information reserved for the certificate. please pay attention to the incoming call. subsequently, you can resubmit the information through "modify information". To be continuously improved. Note: this field may return null, indicating that no valid values can be obtained.
VerifyType	String	Validation type. <code>DNS_AUTO</code> : automatic DNS validation; <code>DNS</code> : manual DNS validation; <code>FILE</code> : file validation; <code>EMAIL</code> : email validation Note: this field may return null, indicating that no valid values can be obtained.
VulnerabilityStatus	String	Vulnerability scanning status

		Note: this field may return null, indicating that no valid values can be obtained.
CertBeginTime	Timestamp	Time when the certificate takes effect Note: this field may return null, indicating that no valid values can be obtained.
CertEndTime	Timestamp	Time when the certificate expires Note: this field may return null, indicating that no valid values can be obtained.
ValidityPeriod	String	Validity period of the certificate, in months Note: this field may return null, indicating that no valid values can be obtained.
InsertTime	Timestamp	Certificate application time. Note: this field may return null, indicating that no valid values can be obtained.
OrderId	String	CA order id. Note: this field may return null, indicating that no valid values can be obtained.
CertificateExtra	<a href="#">CertificateExtra</a>	Extended information of the certificate Note: this field may return null, indicating that no valid values can be obtained.
CertificatePrivateKey	String	Private key certificate; for Chinese SM certificates, it refers to the private key certificate in the signature certificate. Note: this field may return null, indicating that no valid values can be obtained.
CertificatePublicKey	String	Public key certificate; for Chinese SM certificate, it refers to the public key certificate in the signature certificate. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthDetail	<a href="#">DvAuthDetail</a>	Certificate domain name verification information. Note: this field may return null, indicating that no valid values can be obtained.
VulnerabilityReport	String	Vulnerability scanning assessment report Note: this field may return null, indicating that no valid values can be obtained.
CertificateId	String	Certificate ID Note: this field may return null, indicating that no valid values can

		be obtained.
TypeName	String	Certificate type name Note: this field may return null, indicating that no valid values can be obtained.
StatusName	String	Status description Note: this field may return null, indicating that no valid values can be obtained.
SubjectAltName	Array of String	Multiple domain names included in the certificate (excluding the primary domain name, which uses the <code>Domain</code> field) Note: This field may return null, indicating that no valid values can be obtained.
IsVip	Boolean	Whether the certificate is a paid one. Note: This field may return null, indicating that no valid values can be obtained.
IsWildcard	Boolean	Whether the certificate is a wildcard certificate Note: this field may return null, indicating that no valid values can be obtained.
IsDv	Boolean	Whether the certificate is a DV certificate Note: this field may return null, indicating that no valid values can be obtained.
IsVulnerability	Boolean	Whether the vulnerability scanning feature is enabled Note: this field may return null, indicating that no valid values can be obtained.
SubmittedData	<a href="#">SubmittedData</a>	Profile information submitted for paid certificates. Note: this field may return null, indicating that no valid values can be obtained.
RenewAble	Boolean	Whether the certificate can be renewed. Note: This field may return null, indicating that no valid values can be obtained.
Deployable	Boolean	Whether the certificate can be deployed Note: this field may return null, indicating that no valid values can be obtained.
Tags	Array of <a href="#">Tags</a>	List of associated tags Note: this field may return <code>null</code> , indicating that no valid values can be obtained.
RootCert	<a href="#">RootCertificates</a>	Root certificate.

		Note: This field may return null, indicating that no valid values can be obtained.
EncryptCert	String	Chinese SM certificate public key, only has value for national cryptography certificates. Note: this field may return null, indicating that no valid values can be obtained.
EncryptPrivateKey	String	Chinese SM certificate private key certificate, only has value for national cryptography certificates. Note: this field may return null, indicating that no valid values can be obtained.
CertFingerprint	String	SHA1 fingerprint of the signature certificate Note: This field may return null, indicating that no valid values can be obtained.
EncryptCertFingerprint	String	SHA1 fingerprint of the encryption certificate (for Chinese SM certificates only) Note: This field may return null, indicating that no valid values can be obtained.
EncryptAlgorithm	String	Certificate encryption algorithm (or Chinese SM certificates only). Note: this field may return null, indicating that no valid values can be obtained.
DvRevokeAuthDetail	Array of <a href="#">DvAuths</a>	The authentication value for DV certificate revocation. Note: This field may return null, indicating that no valid values can be obtained.
CertChainInfo	Array of <a href="#">CertBasicInfo</a>	Certificate chain information. Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtain Certificate Details

Obtain the details of the certificate under review



## Input Example

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

{
  "CertificateId": "aClRkC90"
}
```

## Output Example

```
{
  "Response": {
    "OwnerUin": "815836472",
    "ProjectId": "0",
    "From": "trustasia",
    "OrderId": "u1hD8*****mXue",
    "CertificateType": "SVR",
    "PackageType": "48",
    "ProductZhName": "DNSPod - domain name-based (DV) SSL certificate",
    "Domain": "ninghhuang.online",
    "Alias": "",
    "Status": 4,
    "StatusMsg": "CA-REVIEWING",
    "VulnerabilityStatus": "INACTIVE",
    "RootCert": {
      "Sign": null,
      "Encrypt": null,
      "Standard": null
    },
    "EncryptCert": null,
    "EncryptPrivateKey": null,
    "CertificatePrivateKey": "*****",
    "CertificatePublicKey": null,
    "CertBeginTime": null,
    "CertEndTime": null,
    "ValidityPeriod": "12",
    "InsertTime": "2024-12-02 19:12:46",
    "VulnerabilityReport": null,
    "CertificateId": "K33dxkOk",
    "TypeName": "DNSPod - domain name-based (DV) SSL certificate",
    "StatusName": "to be validated",
    "CertificateExtra": {
```

```
"SMCert": 0,
"ReplacedBy": null,
"OriginCertificateId": null,
"ReplacedFor": null,
"RenewOrder": null,
"DomainNumber": "1",
"CompanyType": 2
},
"DvAuthDetail": {
"DvAuths": [
{
"DvAuthKey": "_875bed25cf9e03596931d91cb0a52bd9.ninghhuang.online",
"DvAuthValue": "a3108492878a2d989949fa50522dd2b0.cc7346307ff022fcfa68e025f6dbf6a
d.cmcdpcwca5iljv.trust-provider.com",
"DvAuthDomain": "ninghhuang.online",
"DvAuthPath": null,
"DvAuthSubDomain": "_875bed25cf9e03596931d91cb0a52bd9",
"DvAuthVerifyType": "CNAME"
}
],
"DvAuthKey": "_875bed25cf9e03596931d91cb0a52bd9.ninghhuang.online",
"DvAuthValue": "a3108492878a2d989949fa50522dd2b0.cc7346307ff022fcfa68e025f6dbf6a
d.cmcdpcwca5iljv.trust-provider.com",
"DvAuthDomain": "ni****ang.online",
"DvAuthPath": null,
"DvAuthKeySubDomain": "_875bed25cf9e03596931d91cb0a52bd9"
},
"VerifyType": "DNS_AUTO",
"DvRevokeAuthDetail": [],
"SubjectAltName": [],
"IsVip": true,
"IsWildcard": false,
"IsDv": true,
"IsVulnerability": false,
"SubmittedData": null,
"RenewAble": false,
"Deployable": true,
"Tags": [],
"CertFingerprint": null,
"EncryptCertFingerprint": null,
"EncryptAlgorithm": "RSA 2048",
"CertChainInfo": null,
"RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
}
}
```

## Example2 Obtain Certificate Details - 2

Obtain the details of the certificate that has been approved

### Input Example

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

{
  "CertificateId": "aCMEQWht"
}
```

### Output Example

```
{
  "Response": {
    "OwnerUin": "815836472",
    "ProjectId": "0",
    "From": "trustasia",
    "OrderId": "PVpvxIN2_E****pvjw",
    "CertificateType": "SVR",
    "PackageType": "43",
    "ProductZhName": "DNSPod - organization-validated (OV) SSL certificate",
    "Domain": "ninghhuang.online",
    "Alias": "",
    "Status": 4,
    "StatusMsg": "PRE-REVIEWING",
    "VulnerabilityStatus": "INACTIVE",
    "RootCert": {
      "Sign": null,
      "Encrypt": null,
      "Standard": null
    },
    "EncryptCert": null,
    "EncryptPrivateKey": null,
    "CertificatePrivateKey": "*****",
    "CertificatePublicKey": null,
    "CertBeginTime": null,
    "CertEndTime": null,
    "ValidityPeriod": "12",
    "InsertTime": "2024-11-27 20:06:51",
    "VulnerabilityReport": null,
  }
}
```

```
"CertificateId": "Jv8u7beI",
"TypeName": "DNSPod - organization-validated (OV) SSL certificate"
>StatusName": "to be validated"
"CertificateExtra": {
"SMCert": 0,
"ReplacedBy": null,
"OriginCertificateId": null,
"ReplacedFor": null,
"RenewOrder": null,
"DomainNumber": "1",
"CompanyType": 2
},
"DvAuthDetail": {
"DvAuths": [
{
"DvAuthKey": "_882a77cde28ffe49e5764ab3afb75849.ninghhuang.online",
"DvAuthValue": "97f80ec4c7947178cec6b5a093ed34b0.a5cd7986aaaffdfd37437c9c6de1dd30.cmcopc2ncmbfffy.trust-provider.com",
"DvAuthDomain": "ninghhuang.online",
"DvAuthPath": null,
"DvAuthSubDomain": "_882a77cde28ffe49e5764ab3afb75849",
"DvAuthVerifyType": "CNAME"
}
],
"DvAuthKey": "_882a77cde28ffe49e5764ab3afb75849.ninghhuang.online",
"DvAuthValue": "97f80ec4c7947178cec6b5a093ed34b0.a5cd7986aaaffdfd37437c9c6de1dd30.cmcopc2ncmbfffy.trust-provider.com",
"DvAuthDomain": "ninghhuang.online",
"DvAuthPath": null,
"DvAuthKeySubDomain": "_882a77cde28ffe49e5764ab3afb75849"
},
"VerifyType": "DNS_AUTO",
"DvRevokeAuthDetail": [],
"SubjectAltName": [],
"IsVip": true,
"IsWildcard": false,
"IsDv": false,
"IsVulnerability": false,
"SubmittedData": null,
"RenewAble": false,
"Deployable": true,
"Tags": [],
"CertFingerprint": null,
"EncryptCertFingerprint": null,
"EncryptAlgorithm": "RSA 2048",
"CertChainInfo": null,
"RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
```

```
}  
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.

---

FailedOperation.NoRealNameAuth	You have not completed the identity verification.
InternalError	Internal error.
InternalError.BackendResponseEmpty	The backend service response is empty.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.
ResourceNotFound.Manager	The manager of the company does not exist.

# DescribeCertificates

Last updated : 2025-02-27 16:22:01

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to get the certificate list.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeCertificates.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Offset	No	Integer	Pagination offset, starting from 0. default is 0.
Limit	No	Integer	Number of items per page. default is 10. maximum value is 1000; values exceeding 1000 will be treated as 1000.
SearchKey	No	String	Search keywords, supporting fuzzy match by certificate id, remark name, and certificate domain name.
CertificateType	No	String	Certificate type. <code>CA</code> : client certificate; <code>SVR</code> : server certificate
ProjectId	No	Integer	Project ID

ExpirationSort	No	String	Default sorting is by certificate application time in descending order. Sort by expiration date if the following values are passed: DESC for descending order of certificate expiration time, ASC for ascending order.
CertificateStatus.N	No	Array of Integer	Certificate status: 0=under review, 1=approved, 2=review failed, 3=expired, 4=dns record added, 5=enterprise certificate, pending submission, 6=order cancellation in progress, 7=canceled, 8=documents submitted, pending upload of confirmation letter, 9=certificate revocation in progress, 10=revoked, 11=reissue in progress, 12=pending upload of revocation confirmation letter, 13=free certificate pending document submission, 14=refunded, 15=certificate migration in progress.
Deployable	No	Integer	Whether the certificate can be deployed. <code>1</code> : yes; <code>0</code> : no
Upload	No	Integer	Whether to filter uploaded hosted certificates. <code>1</code> : Yes; <code>0</code> : No.
Renew	No	Integer	Whether to filter renewable certificates. <code>1</code> : Yes; <code>0</code> : No.
FilterSource	No	String	Filter by source. <code>upload</code> : Uploaded certificate; <code>buy</code> : Tencent Cloud certificate. If this parameter is left empty, all certificates will be queried.
IsSM	No	Integer	Whether to filter Chinese SM certificates. <code>1</code> : Yes; <code>0</code> : No.
FilterExpiring	No	Integer	Whether to filter expiring certificates. <code>1</code> : Yes; <code>0</code> : No.
Hostable	No	Integer	Whether the certificate can be hosted. Valid values: <code>1</code> for yes and <code>0</code> for no.
Tags.N	No	Array of <a href="#">Tags</a>	Filter certificates with specified tags.
IsPendingIssue	No	Integer	Whether to filter certificates pending issue: 1 for filtering, 0 and null for no filtering.
CertIds.N	No	Array of String	Filter certificates by the specified certificate id, only supports certificate ids with permission.

### 3. Output Parameters



Parameter Name	Type	Description
TotalCount	Integer	Total number Note: this field may return null, indicating that no valid values can be obtained.
Certificates	Array of <a href="#">Certificates</a>	List Note: this field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Obtain the Certificate List

Obtain the certificate list

#### Input Example

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

{
  "Limit": 1,
  "Offset": 0
}
```

#### Output Example

```
{
  "Response": {
    "TotalCount": 1,
    "Certificates": [
      {
        "OwnerUin": "10****",
        "ProjectId": "zr****",
        "From": "upload",
        "PackageType": "company",
        "CertificateType": "svr",

```

```
"ProductZhName": "DigiCert Secure Site CN CA G3",
"Domain": "www.zrh.com",
"Alias": "upload cert",
"Status": 1,
"CertificateExtra": {
  "DomainNumber": "10983",
  "OriginCertificateId": "hj****",
  "ReplacedBy": "hkk****",
  "ReplacedFor": "ete****",
  "RenewOrder": "feg****",
  "SMCert": 0,
  "CompanyType": 0
},
"VulnerabilityStatus": "INACTIVE",
"StatusMsg": "PRE-REVIEWING",
"VerifyType": "DNS",
"CertBeginTime": "2024-11-06 08:00:0",
"CertEndTime": "2025-12-02 07:59:59",
"ValidityPeriod": "13",
"InsertTime": "2024-11-11 11:53:07",
"CertificateId": "hdhd**",
"SubjectAltName": [
  "zrh"
],
"PackageTypeName": "company",
"StatusName": "Certificate issued"
"IsVip": true,
"IsDv": true,
"IsWildcard": true,
"IsVulnerability": true,
"RenewAble": true,
"ProjectInfo": {
  "ProjectName": "Default Project"
  "ProjectCreatorUin": 1,
  "ProjectCreateTime": "0000-00-00 00:00:00",
  "ProjectResume": "Default Project"
  "OwnerUin": 1,
  "ProjectId": "0"
},
"BoundResource": [
  ""
],
"Deployable": true,
"Tags": [
  {
    "TagKey": "zrh",
    "TagValue": "ok"
  }
]
```

```
}
],
"IsIgnore": true,
"IsSM": true,
"EncryptAlgorithm": "svr",
"CAEncryptAlgorithms": [
  "svr"
],
"CAEndTimes": [],
"CACommonNames": [],
"PreAuditInfo": {
  "TotalPeriod": 0,
  "NowPeriod": 0,
  "ManagerId": "84994"
},
"AutoRenewFlag": 0,
"HostingStatus": 0,
"HostingCompleteTime": "2024-11-06 08:00:00",
"HostingRenewCertId": "2024-11-06 08:00:00",
"HasRenewOrder": "yes",
"ReplaceOriCertIsDelete": true,
"IsExpiring": true,
"DVAuthDeadline": "2024-11-06 08:00:00",
"ValidationPassedTime": "2024-11-06 08:00:00",
"CertSANS": [
  "normal"
],
"AwaitingValidationMsg": "wait",
"AllowDownload": true,
"IsDNSPODResolve": true,
"IsPackage": true,
"KeyPasswordCustomFlag": true,
"SupportDownloadType": {
  "NGINX": true,
  "APACHE": true,
  "TOMCAT": true,
  "IIS": true,
  "JKS": true,
  "OTHER": true,
  "ROOT": true
}
}
],
"RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
}
```

## Example2 Obtain the Certificate List - SearchKey Queries the Domain Name

### Input Example

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

{
  "Offset": "0",
  "Limit": "1",
  "SearchKey": "ninghhuang"
}
```

### Output Example

```
{
  "Response": {
    "TotalCount": 54,
    "Certificates": [
      {
        "OwnerUin": "815836472",
        "ProjectId": "0",
        "From": "trustasia",
        "ProductZhName": "TrustAsia C1 DV Free",
        "Domain": "ninghhuang.online",
        "Alias": "",
        "Status": 1,
        "VulnerabilityStatus": "INACTIVE",
        "StatusMsg": null,
        "VerifyType": "DNS_AUTO",
        "CertBeginTime": "2025-02-12 08:00:00",
        "CertEndTime": "2025-05-14 07:59:59",
        "ValidityPeriod": "3",
        "InsertTime": "2025-02-12 10:11:21",
        "AutoRenewFlag": 1,
        "EncryptAlgorithm": "RSA 2048",
        "IsIgnore": false,
        "PreAuditInfo": {
          "TotalPeriod": 1,
          "NowPeriod": 1,
          "ManagerId": ""
        },
        "IsSM": false,

```

```
"SubjectAltName": [
  "ninghhuang.online",
  "www.ninghhuang.online"
],
>StatusName": "Certificate issued"
"IsVip": false,
"IsDv": true,
"IsWildcard": false,
"IsVulnerability": false,
"HasRenewOrder": "",
"ReplaceOriCertIsDelete": false,
"RenewAble": false,
"IsExpiring": false,
"DVAuthDeadline": "2025-02-19 10:11:21",
"ValidationPassedTime": "--",
"CertSANS": [
  "ninghhuang.online",
  "www.ninghhuang.online"
],
"CertRevokedTime": null,
"CAEncryptAlgorithms": [],
"CAEndTimes": [],
"CACCommonNames": [],
"Deployable": true,
"AwaitingValidationMsg": "",
"ProjectInfo": {
  "ProjectId": "0",
  "OwnerUin": 0,
  "ProjectName": "Default Project"
  "ProjectCreatorUin": 0,
  "ProjectCreateTime": "0000-00-00 00:00:00",
  "ProjectResume": "Default Project"
},
"Tags": [],
"CertificateId": "LtIaSxlb",
"CertificateType": "SVR",
"PackageType": "83",
"PackageTypeName": "TrustAsia C1 DV Free",
"KeyPasswordCustomFlag": false,
"SupportDownloadType": {
  "NGINX": true,
  "APACHE": true,
  "TOMCAT": true,
  "IIS": true,
  "JKS": true,
  "OTHER": true,
  "ROOT": true
}
```

```
},
"CertificateExtra": {
  "DomainNumber": "1",
  "OriginCertificateId": null,
  "ReplacedBy": null,
  "ReplacedFor": null,
  "RenewOrder": null,
  "SMCert": 0,
  "CompanyType": null
},
"AllowDownload": null,
"IsPackage": false,
"HostingStatus": -1,
"HostingCompleteTime": "",
"HostingRenewCertId": "",
"HostingResourceTypes": [],
"HostingConfig": null,
"IsDNSPODResolve": false,
"BoundResource": null
}
],
"RequestId": "e7f6021f-47bb-476b-a424-6a0cde19a1eb"
}
}
```

### Example3 Obtain the Certificate List - SearchKey Queries the Certificate ID

#### Input Example

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

{
  "Offset": "0",
  "Limit": "1",
  "SearchKey": "LtIaS"
}
```

#### Output Example

```
{
  "Response": {
```

```
"TotalCount": 1,
"Certificates": [
{
"OwnerUin": "815836472",
"ProjectId": "0",
"From": "trustasia",
"ProductZhName": "TrustAsia C1 DV Free",
"Domain": "ninghhuang.online",
"Alias": "",
"Status": 1,
"VulnerabilityStatus": "INACTIVE",
"StatusMsg": null,
"VerifyType": "DNS_AUTO",
"CertBeginTime": "2025-02-12 08:00:00",
"CertEndTime": "2025-05-14 07:59:59",
"ValidityPeriod": "3",
"InsertTime": "2025-02-12 10:11:21",
"AutoRenewFlag": 1,
"EncryptAlgorithm": "RSA 2048",
"IsIgnore": false,
"PreAuditInfo": {
"TotalPeriod": 1,
"NowPeriod": 1,
"ManagerId": ""
},
"IsSM": false,
"SubjectAltName": [
"ninghhuang.online",
"www.ninghhuang.online"
],
"StatusName": "Certificate issued"
"IsVip": false,
"IsDv": true,
"IsWildcard": false,
"IsVulnerability": false,
"HasRenewOrder": "",
"ReplaceOriCertIsDelete": false,
"RenewAble": false,
"IsExpiring": false,
"DVAuthDeadline": "2025-02-19 10:11:21",
"ValidationPassedTime": "--",
"CertSANs": [
"ninghhuang.online",
"www.ninghhuang.online"
],
"CertRevokedTime": null,
"CAEncryptAlgorithms": [],
```

```
"CAEndTimes": [],
"CACommonNames": [],
"Deployable": true,
"AwaitingValidationMsg": "",
"ProjectInfo": {
  "ProjectId": "0",
  "OwnerUin": 0,
  "ProjectName": "Default Project"
  "ProjectCreatorUin": 0,
  "ProjectCreateTime": "0000-00-00 00:00:00",
  "ProjectResume": "Default Project"
},
"Tags": [],
"CertificateId": "LtIaSxlb",
"CertificateType": "SVR",
"PackageType": "83",
"PackageTypeName": "TrustAsia C1 DV Free",
"KeyPasswordCustomFlag": false,
"SupportDownloadType": {
  "NGINX": true,
  "APACHE": true,
  "TOMCAT": true,
  "IIS": true,
  "JKS": true,
  "OTHER": true,
  "ROOT": true
},
"CertificateExtra": {
  "DomainNumber": "1",
  "OriginCertificateId": null,
  "ReplacedBy": null,
  "ReplacedFor": null,
  "RenewOrder": null,
  "SMCert": 0,
  "CompanyType": null
},
"AllowDownload": null,
"IsPackage": false,
"HostingStatus": -1,
"HostingCompleteTime": "",
"HostingRenewCertId": "",
"HostingResourceTypes": [],
"HostingConfig": null,
"IsDNSPODResolve": false,
"BoundResource": null
}
],
```



```
"RequestId": "e7f6021f-47bb-476b-a424-6a0cde19a1eb"  
}  
}
```

## Example4 Obtain the Certificate List - SearchKey Queries the Remark Name

### Input Example

```
POST / HTTP/1.1  
Host: ssl.intl.tencentcloudapi.com  
Content-Type: application/json  
X-TC-Action: DescribeCertificates  
<Common request parameters>  
  
{  
  "Offset": "0",  
  "Limit": "1",  
  "SearchKey": "K926htp2"  
}
```

### Output Example

```
{  
  "Response": {  
    "TotalCount": 2,  
    "Certificates": [  
      {  
        "OwnerUin": "815836472",  
        "ProjectId": "0",  
        "From": "trustasia",  
        "ProductZhName": "TrustAsia C1 DV Free",  
        "Domain": "ninghhuang.online",  
        "Alias": "Auto-renewal Cert of K926htp2"  
        "Status": 1,  
        "VulnerabilityStatus": "INACTIVE",  
        "StatusMsg": null,  
        "VerifyType": "DNS_AUTO",  
        "CertBeginTime": "2025-02-05 08:00:00",  
        "CertEndTime": "2025-05-07 07:59:59",  
        "ValidityPeriod": "3",  
        "InsertTime": "2025-02-05 08:26:42",  
        "AutoRenewFlag": 1,  
        "EncryptAlgorithm": "RSA 2048",  
        "IsIgnore": false,  
        "PreAuditInfo": {
```

```
"TotalPeriod": 1,
"NowPeriod": 1,
"ManagerId": "",
},
"IsSM": false,
"SubjectAltName": [
  "ninghhuang.online",
  "www.ninghhuang.online"
],
"StatusName": "Certificate issued"
"IsVip": false,
"IsDv": true,
"IsWildcard": false,
"IsVulnerability": false,
"HasRenewOrder": "",
"ReplaceOriCertIsDelete": false,
"RenewAble": false,
"IsExpiring": false,
"DVAuthDeadline": "2025-02-12 08:26:42",
"ValidationPassedTime": "--",
"CertSANS": [
  "ninghhuang.online",
  "www.ninghhuang.online"
],
"CertRevokedTime": null,
"CAEncryptAlgorithms": [],
"CAEndTimes": [],
"CACommonNames": [],
"Deployable": true,
"AwaitingValidationMsg": "",
"ProjectInfo": {
  "ProjectId": "0",
  "OwnerUin": 0,
  "ProjectName": "Default Project"
  "ProjectCreatorUin": 0,
  "ProjectCreateTime": "0000-00-00 00:00:00",
  "ProjectResume": "Default Project"
},
"Tags": [],
"CertificateId": "Li1AKHnS",
"CertificateType": "SVR",
"PackageType": "83",
"PackageTypeName": "TrustAsia C1 DV Free",
"KeyPasswordCustomFlag": false,
"SupportDownloadType": {
  "NGINX": true,
  "APACHE": true,
```

```
"TOMCAT": true,
"IIS": true,
"JKS": true,
"OTHER": true,
"ROOT": true
},
"CertificateExtra": {
"DomainNumber": "1",
"OriginCertificateId": "K926htp2",
"ReplacedBy": null,
"ReplacedFor": null,
"RenewOrder": null,
"SMCert": 0,
"CompanyType": null
},
"AllowDownload": null,
"IsPackage": false,
"HostingStatus": 0,
"HostingCompleteTime": "2025-02-05 08:39:30",
"HostingRenewCertId": null,
"HostingResourceTypes": [
"cdn",
"clb",
"cos"
],
"HostingConfig": {
"MessageTypes": [
0
],
"ReplaceEndTime": "23:59:59",
"ReplaceStartTime": "00:00:00",
"ReplaceTime": 999
},
"IsDNSPODResolve": false,
"BoundResource": null
}
},
"RequestId": "e7f6021f-47bb-476b-a424-6a0cde19a1eb"
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CAMAuthorizedFail	A CAM authentication error occurred.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CannotBeDeletedIssued	Failed to delete the certificate because it has been issued.
FailedOperation.CannotBeDeletedWithinHour	Free certificates cannot be deleted within 1 hour after being applied for.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateMismatch	The certificate and the private key do not match.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.ExceedsFreeLimit	The number of free certificates exceeds the maximum value.

FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.OrderAlreadyReplaced	This order has already been replaced.
FailedOperation.OrderReplaceFailed	Failed to reissue a certificate.
FailedOperation.SystemError	A system error occurred.
InternalError	Internal error.
InternalError.BackendResponseEmpty	The backend service response is empty.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.

# DescribeHostTeoInstanceList

Last updated : 2025-02-27 16:22:00

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to query the list of EdgeOne instances to which a certificate can be deployed.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeHostTeoInstanceList.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificateId	Yes	String	The ID of the certificate to be deployed.
IsCache	No	Integer	Whether to query the cached results. Valid values: <input type="checkbox"/> 1 (yes) and <input type="checkbox"/> 0 (no). By default, the cached results within 30 minutes are queried.
Filters.N	No	Array of <a href="#">Filter</a>	The list of filter parameters. FilterKey: domainMatch (query the list of instances with matching or non-matching domains). FilterValue: <input type="checkbox"/> 1 (default; query the list of instances with matching domains) or <input type="checkbox"/> 0 (query the list of instances with non-matching domains).

OldCertificateId	No	String	The ID of the deployed certificate.
Offset	No	Integer	Paging offset. default value: 0.
Limit	No	Integer	Number of items per page. default: 10. maximum value: 200.
AsyncCache	No	Integer	Asynchronous or not. 1 means yes, 0 means no. default: 0.

### 3. Output Parameters

Parameter Name	Type	Description
InstanceList	Array of <a href="#">TeoInstanceDetail</a>	Teo instance list. if no value is obtained, an empty array is returned. Note: this field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The total count.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Obtain the EdgeOne Instance List

Obtain the EdgeOne gateway instance list

#### Input Example

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

{
  "CertificateId": "YT****j",
  "IsCache": 1,
  "Filters": [
    {
```

```
"FilterKey": "domainMatch",
"FilterValue": "1"
},
"ResourceType": "teo",
"OldCertificateId": "k****j"
}
```

### Output Example

```
{
  "Response": {
    "InstanceList": [
      {
        "Host": "www.zrh.com",
        "CertId": "jk****L",
        "ZoneId": "zone-****",
        "Status": "online"
      }
    ],
    "TotalCount": 1,
    "RequestId": "14727a68-3b90-4408-99c9-dea6d7de9456"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CertificateHostResourceInnerInterrupt	Unable to use the deployment feature because the login account is an internal account with too many instance resources. Please contact us to handle it.
FailedOperation.CertificateNotAvailable	The certificate is not available. Please check and try again.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.RoleNotFoundAuthorization	The role does not exist. Please authorize the role first.
InternalError	Internal error.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.

# UploadCertificate

Last updated : 2025-02-27 16:21:55

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to upload a certificate.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: UploadCertificate.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CertificatePublicKey	Yes	String	Public key of the certificate
CertificatePrivateKey	No	String	Private key content. This parameter is required when the certificate type is SVR, and not required when the certificate type is CA.
CertificateType	No	String	Certificate type. Valid values: <code>CA</code> (CA certificate) and <code>SVR</code> (server certificate). Default value: <code>SVR</code>
Alias	No	String	Alias

ProjectId	No	Integer	Project ID
CertificateUse	No	String	Certificate Usage/Source, such as CLB, CDN, WAF, LIVE, DDOS.
Tags.N	No	Array of <a href="#">Tags</a>	The list of tags.
Repeatable	No	Boolean	Whether to allow duplicate upload of the same certificate, true: allow uploading certificates with the same fingerprint; false: do not allow uploading certificates with the same fingerprint. default value: true.

### 3. Output Parameters

Parameter Name	Type	Description
CertificateId	String	Certificate ID
RepeatCertId	String	The ID of the repeatedly uploaded certificate. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Upload CA Certificate

Upload the root certificate

#### Input Example

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

{
  "CertificatePublicKey": "-----BEGIN CERTIFICATE-----\nxxxxxxxxxxxxxxxxxxxxxxxx\n-----E
```

```
ND CERTIFICATE-----",
"Alias": "Upload CA Certificate"
"ProjectId": "1634827",
"Repeatable": false,
"CertificateType": "CA",
"Tags": [
{
"TagKey": "key1",
"TagValue": "value1"
},
{
"TagKey": "key2",
"TagValue": "value2"
}
]
}
```

### Output Example

```
{
"Response": {
"CertificateId": "a92b1z1i",
"RepeatCertId": "",
"RequestId": "7ef2d2bb-f609-4e3d-a35c-04a5d3ac633b"
}
}
```

### Example2 Upload Server-Side Certificate

Upload the server-side certificate

### Input Example

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

{
"CertificatePublicKey": "-----BEGIN CERTIFICATE-----\nxxxxxxxxxxxxxxxxxxxxxxxx\n-----E
ND CERTIFICATE-----",
"CertificatePrivateKey": "-----BEGIN RSA PRIVATE KEY-----\r\nxxxxxxxxxxxxxxxxxxxxxxxx
xxxx\r\n-----END RSA PRIVATE KEY-----",
"Alias": "Upload Certificate"
"ProjectId": "1647838",
```

```
"Repeatable": false,
"CertificateType": "SVR",
"Tags": [
  {
    "TagKey": "key1",
    "TagValue": "value1"
  },
  {
    "TagKey": "key2",
    "TagValue": "value2"
  }
]
```

### Output Example

```
{
  "Response": {
    "CertificateId": "DSAuy46E",
    "RepeatCertId": "DSAuy46E",
    "RequestId": "6d69e2d8-2c31-40d2-a244-9f86ffb20cd0"
  }
}
```

## 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 Node.js](#)
- [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	A CAM signature/authentication error occurred.
AuthFailure.UnauthorizedOperation	The operation is unauthorized.
FailedOperation	Operation failed.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.CAMAuthorizedFail	A CAM authentication error occurred.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CannotBeDeletedIssued	Failed to delete the certificate because it has been issued.
FailedOperation.CannotBeDeletedWithinHour	Free certificates cannot be deleted within 1 hour after being applied for.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateCaError	Note: the uploaded certificate content does not conform to the standard format of ca certificates. please check whether the certificate type is incorrect.
FailedOperation.CertificateEncryptInvalid	The certificate is suspected to be an SM2 certificate and does not comply with the selected certificate standard. Please check whether the selected certificate standard and the content of the certificate are correct.
FailedOperation.CertificateExists	The certificate already exists.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateMatchError	Note: the certificate content and private key do not match. please check (pay attention to whether there are extra spaces).
FailedOperation.CertificateMismatch	The certificate and the private key do not match.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.CertificateParseError	Parsing failed. check if the certificate meets the standard and

	pay attention to whether there are extra spaces.
FailedOperation.ExceedsFreeLimit	The number of free certificates exceeds the maximum value.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.OrderAlreadyReplaced	This order has already been replaced.
FailedOperation.OrderReplaceFailed	Failed to reissue a certificate.
InternalError	Internal error.
InvalidParameter.MissMatchPrivateKey	There is no matching private key.
InvalidParameter.WithDetailReason	The parameter is incorrect.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.

# CSR APIs

## BatchDeleteCSR

Last updated : 2024-12-02 16:46:41

### 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to batch delete CSRs.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: BatchDeleteCSR.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CSRIds.N	Yes	Array of Integer	The IDs of the CSRs to be deleted, 100 IDs at most.

### 3. Output Parameters

--	--	--



Parameter Name	Type	Description
Success	Array of Integer	The IDs of the CSRs successfully deleted.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Batch deleting CSRs

This example shows you how to batch delete CSRs.

#### Input Example

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

{
  "CSRIds": [
    11,
    22,
    33
  ]
}
```

#### Output Example

```
{
  "Response": {
    "Success": [
      22,
      33
    ],
    "RequestId": "5779b652-9c64-45b3-a6f4-641db7376a2e"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
InvalidParameter	The parameter is incorrect.
InvalidParameter.InvalidCSRId	Incorrect CSR ID.
InvalidParameter.WithDetailReason	The parameter is incorrect.
InvalidParameterValue	Invalid parameter value.

# CreateCSR

Last updated : 2025-02-27 16:22:09

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to create a CSR.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: CreateCSR.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Domain	Yes	String	The domain.
Organization	Yes	String	The organization name.
Department	Yes	String	The department.
Email	Yes	String	The email address.
Province	Yes	String	The province.
City	Yes	String	The city.
Country	Yes	String	The country or region code that complies with ISO 3166, such as

			CN and US.
EncryptAlgo	Yes	String	The encryption algorithm. RSA and ECC are supported.
KeyParameter	Yes	String	The key pair parameter. For RSA, only the 2048-bit and 4096-bit key pairs are supported. For ECC, only prime256v1 is supported.
Generate	Yes	Boolean	Whether to generate the CSR content. Once the CSR content is generated, the CSR record cannot be modified.
KeyPassword	No	String	The password of the private key.
Remark	No	String	The remarks.
Tags.N	No	Array of <a href="#">Tags</a>	

### 3. Output Parameters

Parameter Name	Type	Description
Id	Integer	The CSR ID.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Creating a CSR

This example show you how to create a CSR.

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: CreateCSR

{
  "Domain": "www.***.com",
```

```
"Organization": "Tencent",
"Department": "It",
"Email": "abc@qq.com",
"Province": "Hunan",
"City": "Changsha",
"Country": "China",
"EncryptAlgo": "ECC",
"KeyParameter": "prime256v1",
"Generate": false
}
```

### Output Example

```
{
  "Response": {
    "Id": 733,
    "RequestId": "f00f136b-c0c8-476a-8097-b1bdfc9d330f"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.CAMAuthorizedFail	A CAM authentication error occurred.
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.SystemError	A system error occurred.

# DescribeCSR

Last updated : 2025-02-27 16:22:08

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to query the details of a CSR.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeCSR.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CSRId	Yes	Integer	The CSR ID.

## 3. Output Parameters

Parameter Name	Type	Description
Id	Integer	The CSR ID.
OwnerUin	String	The account.

Domain	String	The domain.
Organization	String	The organization name.
Department	String	The department.
Email	String	The email address.
Province	String	The province.
City	String	The city.
Country	String	The country or region.
EncryptAlgo	String	The key algorithm.
KeyParameter	String	The algorithm parameter.
Remarks	String	The remarks.
Status	Integer	The status.
KeyPassword	String	The password of the private key. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	The creation time.
CSR	String	The CSR content. Note: This field may return null, indicating that no valid values can be obtained.
PrivateKey	String	The content of the private key. Note: This field may return null, indicating that no valid values can be obtained.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Querying the information of a CSR

This example shows you how to query the information of a CSR.

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
```



```
Content-Type: application/json
X-TC-Action: DescribeCSR
<Common request parameters>

{
  "CSRIId": 12344
}
```

## Output Example

```
{
  "Response": {
    "Id": 12344,
    "OwnerUin": "6489626",
    "Domain": "zz.zz.cn",
    "Organization": "yunzhi",
    "Department": "Light",
    "Email": "171008474@qq.com",
    "Province": "Hunan",
    "City": "changsha",
    "Country": "CN",
    "EncryptAlgo": "RSA",
    "KeyParameter": "2048",
    "Remarks": "",
    "Status": 1,
    "KeyPassword": "123abcccaa",
    "CreateTime": "2023-08-25 09:48:47",
    "CSR": "-----BEGIN CERTIFICATE REQUEST-----\r\nmIICnjCCAYYCAQAwWTEWMBQGA1UEAwNenouSGF0aGxpS5jbjEPMA0GA1UECgw\r\nexVuemhpMREwDwYDVOQHDAhjaGFuZ3NoYTEOMAwGA1UECAwFSHVuYW4xZCZAJBgNV\r\nbAYTAkNOMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAs8Wumn7cUG2d\r\n\r\n8ARiCg7rRtnNfonamdivha7bcm/xX4otKkI6f9TOjd05TLQT2Qd55Iu8gVsGdFQ6\r\n\r\nntQwD/a3Koo2lD8XvBVI8R0LuGoK1jfChzglJo/FWwGyZjkMlUY6WisAk6utUYCSg\r\n\r\ncynZXD0k1lEfwlkhsI4NbFG2ZrV7Ksj8Ed1e+Ki0GStVAb5j9qh/e4WeqE3IuZXG\r\n\r\n\r\nndofd/kEnvtprIasXgR+qpwwBTGpRwiqNhyP6z/xxM706eEhcnqh4oZi4abGCC2JM\r\n\r\n\r\nnJuVfFdmDiLaUKBrouk8WqZacB4nH1Uuk4y5eGGpxpX5UF+Xgm/Sz0iI242dZFY\r\n\r\n\r\nDtqaSE8ZhwIDAQABoAAwDQYJKoZIhvcNAQEFBQADggEBAG8CES6epieMDaiXrEin\r\n\r\n\r\n2cVfxJUzrZf2aDm5YK4mAEz3h1kCQINDymtnQ4A4lFeQw+Le7xblS7qdMVT/5ecn\r\n\r\n\r\n64KbmfrThEaH/dTYOsbV7CipNfXiKH/SoD1Wz9bowNIxtXvy1t5RlZ3s8CBjKCKO\r\n\r\n\r\nnj6vG+pUwh/mdAhpYlzh9VnfpMDAAtnBbxFhhLXqubiGe5YKqwuf3OwHov46g4+64\r\n\r\n\r\nnPy8gmVbcqHy212Ea5wdOC+154scm/b6bTdqo6Fv62bvpeQI1mT5f198KTdKp1jCt\r\n\r\n\r\nnw3gsfyY6WyL4zSvRgdbQyyWwys+rjsaNzqShSKxZ3xGKpdoOnK0uQX2RLfBB1nCi\r\n\r\n\r\nnW9s=\r\n\r\n\r\n-----END CERTIFICATE REQUEST-----\r\n\r\n",
    "PrivateKey": null,
    "RequestId": "f00f136b-c0c8-476a-8097-b1bdfc9d330f"
  }
}
```

## 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 Node.js](#)
- [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.SystemError	A system error occurred.
InvalidParameter.InvalidCSRId	Incorrect CSR ID.
InvalidParameter.WithDetailReason	The parameter is incorrect.

# DescribeCSRSet

Last updated : 2025-02-27 16:22:08

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to query the CSR list.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: DescribeCSRSet.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
Limit	No	Integer	The number of CSRs on each page. The default value is 10, and the maximum value is 100.
Offset	No	Integer	The pagination offset, starting from 0.
Domain	No	String	The domain for CSR filtering
EncryptAlgo	No	String	The encryption algorithm for CSR filtering

## 3. Output Parameters

Parameter Name	Type	Description
Total	Integer	The total number of CSRs.
Set	Array of <a href="#">CSRItem</a>	The list of CSRs.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

## 4. Example

### Example1 Querying the CSR list

This example shows you how to query the CSR list.

#### Input Example

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

{
  "Limit": 2,
  "Offset": 0
}
```

#### Output Example

```
{
  "Response": {
    "Total": 5,
    "Set": [
      {
        "Id": 123,
        "OwnerUin": "16373784",
        "Domain": "zz.Hathlim.cn",
        "Organization": "yunzhi",
        "Department": "Light",
        "Email": "171008474@qq.com",

```

```
"Province": "Hunan",
"City": "changsha",
"Country": "CN",
"EncryptAlgo": "RSA",
"KeyParameter": "2048",
"Remarks": "",
"Status": 1,
"CreateTime": "2023-08-25 09:48:47"
},
{
  "Id": 5555,
  "OwnerUin": "2526378488",
  "Domain": "zz.Hathlim.cn",
  "Organization": "yunzhi",
  "Department": "Light",
  "Email": "171008474@qq.com",
  "Province": "Hunan",
  "City": "changsha",
  "Country": "CN",
  "EncryptAlgo": "RSA",
  "KeyParameter": "2048",
  "Remarks": "",
  "Status": 0,
  "CreateTime": "2023-08-25 09:43:59"
}
],
"RequestId": "f00f136b-c0c8-476a-8097-b1bdfc9d330f"
}
}
```

## 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 Node.js](#)
- [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.UnauthorizedOperation	The operation is unauthorized.
FailedOperation.CAMAuthorizedFail	A CAM authentication error occurred.
FailedOperation.SystemError	A system error occurred.

# ModifyCSR

Last updated : 2025-02-27 16:22:07

## 1. API Description

Domain name for API request: ssl.intl.tencentcloudapi.com.

This API is used to modify the information of a CSR.

A maximum of 10 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	<a href="#">Common Params</a> . The value used for this API: ModifyCSR.
Version	Yes	String	<a href="#">Common Params</a> . The value used for this API: 2019-12-05.
Region	No	String	<a href="#">Common Params</a> . This parameter is not required for this API.
CSRId	Yes	Integer	The CSR ID.
Generate	Yes	Boolean	Whether to generate the CSR content. Once the CSR content is generated, the CSR record cannot be modified.
Domain	No	String	The domain.
Organization	No	String	The organization name.
Department	No	String	The department.
Email	No	String	The email address.

Province	No	String	The province.
City	No	String	The city.
Country	No	String	The country or region.
EncryptAlgo	No	String	The encryption algorithm. RSA and ECC are supported.
KeyParameter	No	String	The key pair parameter. For RSA, only the 2048-bit and 4096-bit key pairs are supported. For ECC, only prime256v1 is supported.
Remark	No	String	The remarks.
KeyPassword	No	String	The password of the private key.

### 3. Output Parameters

Parameter Name	Type	Description
Id	Integer	The CSR ID.
RequestId	String	The unique request ID, generated by the server, will be returned for every request (if the request fails to reach the server for other reasons, the request will not obtain a RequestId). RequestId is required for locating a problem.

### 4. Example

#### Example1 Modifying a CSR

This example shows you how to modify a CSR.

#### Input Example

```
POST / HTTP/1.1
Host: ssl.intl.tencentcloudapi.com
Content-Type: application/json
X-TC-Action: ModifyCSR

{
  "CSRId": 662,
  "Generate": false,
  "Domain": "hywh** .com",
```



```
"Organization": "tencent",
"Department": "it",
"Email": "heysh**hhe@qq.com",
"Province": "hunan",
"City": "changsha",
"Country": "china",
"EncryptAlgo": "RSA",
"KeyParameter": "2048"
}
```

### Output Example

```
{
  "Response": {
    "Id": 662,
    "RequestId": "f00f136b-c0c8-476a-8097-b1bdfc9d330f"
  }
}
```

## 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 Node.js](#)
- [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	Operation failed.
FailedOperation.NetworkError	The CA system is busy. Try again later.
InvalidParameter.InvalidCSRId	Incorrect CSR ID.
InvalidParameter.WithDetailReason	The parameter is incorrect.

# Data Types

Last updated : 2025-02-27 16:22:09

## ApiGatewayInstanceDetail

Details of an APIGATEWAY instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
ServiceId	String	The instance ID.
ServiceName	String	The instance name.
Domain	String	The domain.
CertId	String	Certificate id.
Protocol	String	The protocol.

## ApiGatewayInstanceList

Details of APIGATEWAY instances - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Region	String	The region.
InstanceList	Array of <a href="#">ApiGatewayInstanceDetail</a>	API gateway instance details.
TotalCount	Integer	The total number of APIGATEWAY instances in this region.
Error	String	Whether to query exceptions.

## BindResourceRegionResult

Region of associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskResult.

Name	Type	Description
Region	String	The region. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The total number of associated cloud resources.

## BindResourceResult

Associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskResult.

Name	Type	Description
ResourceType	String	Supported types: CLB, CDN, WAF, LIVE, VOD, DDOS, TKE, APIGATEWAY, TCB, and TEO (EDGEONE).
BindResourceRegionResult	Array of <a href="#">BindResourceRegionResult</a>	The region of associated cloud resources.

## COSInstanceList

COS instance details - asynchronous association of cloud resource data structure.

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Region	String	Region.
InstanceList	Array of <a href="#">CosInstanceDetail</a>	Instance details.
TotalCount	Integer	Total number under the region.
Error	String	Error message.

# CSRItem

Details of a CSR

Used by actions: DescribeCSRSet.

Name	Type	Description
Id	Integer	The CSR ID. Note: This field may return null, indicating that no valid values can be obtained.
OwnerUin	String	The account. Note: This field may return null, indicating that no valid values can be obtained.
Domain	String	The domain. Note: This field may return null, indicating that no valid values can be obtained.
Organization	String	The organization name. Note: This field may return null, indicating that no valid values can be obtained.
Department	String	The department. Note: This field may return null, indicating that no valid values can be obtained.
Email	String	The email address. Note: This field may return null, indicating that no valid values can be obtained.
Province	String	The province. Note: This field may return null, indicating that no valid values can be obtained.
City	String	The city. Note: This field may return null, indicating that no valid values can be obtained.
Country	String	The country or region. Note: This field may return null, indicating that no valid values can be obtained.
Remarks	String	The remarks. Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	The status. Note: This field may return null, indicating that no valid values can be obtained.
CreateTime	String	The creation time. Note: This field may return <code>null</code> , indicating that no valid values can be obtained.
EncryptAlgo	String	The encryption algorithm. Note: This field may return null, indicating that no valid values can be obtained.

KeyParameter	String	The algorithm parameter. Note: This field may return null, indicating that no valid values can be obtained.
--------------	--------	--

## CdnInstanceDetail

Details of a CDN instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Domain	String	The domain.
CertId	String	The ID of the deployed certificate.
Status	String	Domain name status: rejected - the domain name failed the review or its registration has expired/been canceled; processing - deploying; online - started; offline - closed.
HttpsBillingSwitch	String	Domain billing status, where on indicates enable and off indicates disable.

## CdnInstanceList

Details of CDN instances - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
TotalCount	Integer	The total number of CDN domains in this region.
InstanceList	Array of <a href="#">CdnInstanceDetail</a>	CDN domain name details.
Error	String	Whether to query exceptions.

## CertBasicInfo

Basic information of the certificate

Used by actions: DescribeCertificateDetail.

Name	Type	Required	Description
------	------	----------	-------------

Issuer	String	No	Issuer.
Subject	String	No	Issued to.
Fingerprint	String	No	Certificate fingerprint.
ValidFrom	String	No	Certificate valid period start time.
ValidTo	String	No	Certificate valid period end time.

## CertTaskId

Certificate and async task IDs

Used by actions: CreateCertificateBindResourceSyncTask.

Name	Type	Required	Description
CertId	String	No	The certificate ID.
TaskId	String	No	The async task ID.

## Certificate

Details of a CLB certificate

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
CertId	String	The certificate ID.
DnsNames	Array of String	The list of domains bound to the certificate.
CertCald	String	Root certificate id.
SSLMode	String	Certificate authentication mode: unidirectional one-way authentication, mutual mutual authentication.

## CertificateExtra

Content of the `CertificateExtra` parameter. `CertificateExtra` is an element of `Certificates` array which is returned by `DescribeCertificates`.

Used by actions: DescribeCertificate, DescribeCertificateDetail, DescribeCertificates.

Name	Type	Description
DomainNumber	String	Quantity of configurable domain names for the certificate.
OriginCertificateId	String	Renew the original certificate id. Note: this field may return null, indicating that no valid values can be obtained.
ReplacedBy	String	Original ID of the new certificate Note: this field may return null, indicating that no valid values can be obtained.
ReplacedFor	String	Reissue certificate id. Note: this field may return null, indicating that no valid values can be obtained.
RenewOrder	String	Renewal certificate id. Note: this field may return null, indicating that no valid values can be obtained.
SMCert	Integer	Whether it is a China SM certificate.
CompanyType	Integer	Company type, valid values: 1 (individual); 2 (company).

## Certificates

Content of the `Certificates` parameter returned by `DescribeCertificates`

Used by actions: DescribeCertificates.

Name	Type	Description
OwnerUin	String	User uin.
ProjectId	String	Project id.
From	String	Certificate source: trustasia. upload. wosign. sheca.
PackageType	String	Certificate package type: Null: user uploads a certificate (without package type),.



- 2: trustasia tls rsa ca,.
- 3: securesite enhanced enterprise edition (ev pro),.
- 4: securesite enhanced (ev).
- 5: securesite enterprise professional edition (ov pro).
- 6: securesite enterprise (ov).
- 7: securesite enterprise (ov) wildcard.
- 8: geotrust enhanced (ev).
- 9: geotrust enterprise (ov) cert.
- 10: geotrust enterprise (ov) wildcard cert.
- 11: trustasia domain name-based multiple domain names ssl certificate.
- 12: trustasia domain name-based (dv) wildcard cert.
- 13: trustasia enterprise wildcard (ov) ssl certificate (d3).
- 14: trustasia enterprise (ov) ssl certificate (d3).
- 15: trustasia enterprise multiple domain names (ov) ssl certificate (d3).
- 16: trustasia enhanced (ev) ssl certificate (d3).
- 17: trustasia enhanced multiple domain names (ev) ssl certificate (d3).
- 18: globalsign enterprise (ov) ssl certificate.
- 19: globalsign enterprise wildcard (ov) ssl certificate.
- 20: globalsign enhanced (ev) ssl certificate.
- 21: trustasia enterprise wildcard multiple domain names (ov) ssl certificate (d3).
- 22: globalsign enterprise multiple domain names (ov) ssl certificate.
- 23: globalsign enterprise wildcard multiple domain names (ov) ssl certificate.
- 24: globalsign enhanced multiple domain name (ev) ssl certificate.
- 25: wotrus domain name cert.
- 26: wotrus domain name multiple domain name cert.
- 27: wotrus domain name wildcard cert.
- 28: wotrus enterprise cert.
- 29: wotrus enterprise multi - domain name certificate.
- 30: wotrus enterprise wildcard certificate.
- 31: wotrus enhanced certificate.
- 32: wotrus enhanced multi - domain name certificate.
- 33: wotrus - national cryptography domain - type certificate.
- 34: wotrus-national cryptography domain certificate (multiple domain names).
- 35: wotrus-national cryptography domain certificate (wildcard).

37: wotrus-national cryptography enterprise certificate.  
38: wotrus-national cryptography enterprise certificate (multiple domain names).  
39: wotrus-national cryptography enterprise certificate (wildcard).  
40: wotrus - enhanced national cryptography certificate.  
41: wotrus - enhanced national cryptography certificate (multiple domain names).  
42: trustasia - domain name type certificate (wildcard multiple domain names).  
43: DNSPod - enterprise (ov) ssl certificate.  
44: DNSPod - enterprise (ov) wildcard ssl certificate.  
45: DNSPod - enterprise (ov) multiple domain names ssl certificate.  
46: DNSPod - enhanced (ev) ssl certificate.  
47: DNSPod - enhanced (ev) multiple domain names ssl certificate.  
48: DNSPod - domain name-based (dv) ssl certificate.  
49: DNSPod - domain name-based (dv) wildcard ssl certificate.  
50: DNSPod - domain name-based (dv) multiple domain names ssl certificate.  
51: DNSPod (national cryptography) - enterprise (ov) ssl certificate.  
52: DNSPod (national cryptography) - enterprise (ov) wildcard ssl certificate.  
53: DNSPod (national cryptography) - enterprise (ov) multiple domain names ssl certificate.  
54: DNSPod (national cryptography) - domain name-based (dv) ssl certificate.  
55: DNSPod (national cryptography) - domain name-based (dv) wildcard ssl certificate.  
56: DNSPod (national cryptography) - domain name-based (dv) multiple domain names ssl certificate.  
57: securesite enterprise professional edition multiple domain names (ov pro).  
58: securesite enterprise multiple domain names (ov).  
59: securesite enhanced professional edition multiple domain names (ev pro).  
60: securesite enhanced multiple domain names (ev).  
61: geotrust enhanced multiple domain names (ev).  
75: securesite enterprise (ov).  
76: securesite enterprise (ov) wildcard.  
77: securesite enhanced (ev).

		<p>78: geotrust enterprise (ov).</p> <p>79: geotrust enterprise wildcard (ov).</p> <p>80: geotrust enhanced (ev).</p> <p>81: globalsign enterprise (ov) ssl certificate.</p> <p>82: globalsign enterprise wildcard (ov) ssl certificate.</p> <p>83: trustasia c1 dv free.</p> <p>85: globalsign enhanced (ev) ssl certificate.</p> <p>88: globalsign enterprise wildcard multiple domain names (ov) ssl certificate.</p> <p>89: globalsign enterprise multiple domain names (ov) ssl certificate.</p> <p>90: globalsign enhanced multiple domain names (ev) ssl certificate.</p> <p>91: geotrust enhanced multiple domain names (ev).</p> <p>92: securesite enterprise pro multiple domain names (ov pro).</p> <p>93: securesite enterprise multiple domain names (ov).</p> <p>94: securesite enhanced pro multiple domain names (ev pro).</p> <p>95: securesite enhanced multiple domain names (ev).</p> <p>96: securesite ev pro.</p> <p>97: securesite enterprise professional edition (ov pro).</p> <p>98: cfca enterprise (ov) ssl certificate.</p> <p>99: cfca enterprise ov ssl certificate for multiple domain names.</p> <p>100: cfca ov wildcard ssl certificate.</p> <p>101: cfca enhanced (ev) ssl certificate.</p>
CertificateType	String	Certificate type. ca = client certificate; svr = server certificate.
ProductZhName	String	Certificate product name.
Domain	String	Primary domain name.
Alias	String	Remark name.
Status	Integer	Certificate status: 0 = under review, 1 = approved, 2 = review failed, 3 = expired, 4 = dns record added automatically, 5 = enterprise certificate, pending documentation submission, 6 = order cancellation in progress, 7 = canceled, 8 = documents submitted, pending upload of confirmation letter, 9 = certificate revocation in progress, 10 = revoked, 11 = reissue in progress, 12 = pending upload of revocation confirmation letter, 13 = free certificate pending

		documentation submission, 14 = certificate refunded, 15 = certificate migration in progress.
CertificateExtra	<a href="#">CertificateExtra</a>	Certificate extended information.
VulnerabilityStatus	String	Vulnerability scanning status: INACTIVE = not enabled, ACTIVE = enabled.
StatusMsg	String	Status information.
VerifyType	String	Validation type: DNS_AUTO = automatic dns validation, DNS = manual dns validation, FILE = file verification, DNS_PROXY = dns proxy validation, FILE_PROXY = file proxy verification.
CertBeginTime	String	Certificate validation time.
CertEndTime	String	Certificate expiration time.
ValidityPeriod	String	Certificate validity period (month).
InsertTime	String	Creation time.
CertificateId	String	Certificate id.
SubjectAltName	Array of String	Multiple domain names contained in the certificate (including the primary domain name).
PackageTypeName	String	Certificate type name.
StatusName	String	Status name.
IsVip	Boolean	Specifies whether the customer is a vip customer. true indicates yes and false indicates no.
IsDv	Boolean	Specifies whether it is a dv version certificate. true indicates yes and false indicates no.
IsWildcard	Boolean	Specifies whether it is a wildcard domain name certificate. true indicates yes and false indicates no.
IsVulnerability	Boolean	Whether the vulnerability scanning feature is enabled.
RenewAble	Boolean	Whether it is renewable.
ProjectInfo	<a href="#">ProjectInfo</a>	Project information.
BoundResource	Array of String	Associated cloud resources are temporarily unavailable.

Deployable	Boolean	Whether it can be deployed.
Tags	Array of <a href="#">Tags</a>	Tag list.
IsIgnore	Boolean	Whether expiration notice has been ignored.
IsSM	Boolean	Whether it is a China SM certificate.
EncryptAlgorithm	String	Certificate algorithm.
CAEncryptAlgorithms	Array of String	Encryption algorithm for upload ca certificate.
CAEndTimes	Array of String	Expiration time for upload ca certificate.
CACCommonNames	Array of String	Common name of the upload ca certificate.
PreAuditInfo	<a href="#">PreAuditInfo</a>	Certificate prereview information.
AutoRenewFlag	Integer	Whether to auto-renew.
HostingStatus	Integer	Hosting status: 0, hosting; 5, resource replacement; 10, hosting completed; -1, not hosted.
HostingCompleteTime	String	Hosting completion time.
HostingRenewCertId	String	Manage the new certificate id.
HasRenewOrder	String	Existing renewal certificate id.
ReplaceOriCertIsDelete	Boolean	Indicates whether the original certificate is deleted during reissue.
IsExpiring	Boolean	Indicates whether it is about to expire. a certificate is about to expire if it will expire within 30 days.
DVAuthDeadline	String	Add validation expiration date for DV certificate
ValidationPassedTime	String	Domain verification passed time.
CertSANs	Array of String	Multiple domain names associated with the certificate.
AwaitingValidationMsg	String	Domain verification rejection information.
AllowDownload	Boolean	Whether to allow downloading.
IsDNSPODResolve	Boolean	Whether all certificate domain names are managed and resolved by dnspod.
IsPackage	Boolean	Whether the certificate is purchased with benefit

		points.
KeyPasswordCustomFlag	Boolean	Whether there is a private key password.
SupportDownloadType	<a href="#">SupportDownloadType</a>	Types of web servers supported for download: nginx, apache, iis, tomcat, jks, root, other.
CertRevokedTime	String	Certificate revocation completion time.
HostingResourceTypes	Array of String	Hosted resource type list.
HostingConfig	<a href="#">HostingConfig</a>	Managed configuration information.

## ClbInstanceDetail

Details of a CLB instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
LoadBalancerId	String	The CLB instance ID.
LoadBalancerName	String	The CLB instance name.
Listeners	Array of <a href="#">ClbListener</a>	CLB listener list.

## ClbInstanceList

Details of CLB instances - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Region	String	The region.
InstanceList	Array of <a href="#">ClbInstanceDetail</a>	CLB instance details.
TotalCount	Integer	The total number of CLB instances in this region.
Error	String	Whether to query exceptions.

## ClbListener

Details of a CLB instance listener

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
ListenerId	String	The listener ID.
ListenerName	String	The listener name.
SniSwitch	Integer	Whether to enable SNI. Valid values: <code>1</code> (enable) and <code>0</code> (disable).
Protocol	String	The listener protocol type. Valid values: <code>HTTPS</code> and <code>TCP_SSL</code> .
Certificate	<a href="#">Certificate</a>	Data of certificate bound to the listener.
Rules	Array of <a href="#">ClbListenerRule</a>	List of listener rules.
NoMatchDomains	Array of String	Domain list not matched.

## ClbListenerRule

Details of a CLB listener rule

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
LocationId	String	The rule ID.
Domain	String	The domains bound.
IsMatch	Boolean	Whether the rule matches the domains to be associated with a certificate.
Certificate	<a href="#">Certificate</a>	Certificate data bound to the rule.
NoMatchDomains	Array of String	Domain list not matched.
Url	String	Rule binding path.

## CosInstanceDetail

COS instance description.

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Domain	String	Domain name.
CertId	String	Bound certificate id.
Status	String	ENABLED: domain name online status. DISABLED: domain name offline status.
Bucket	String	bucket name.
Region	String	bucket region.

## DdosInstanceDetail

Details of a DDOS instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Domain	String	The domain.
InstanceId	String	The instance ID.
Protocol	String	The protocol type.
CertId	String	Certificate id.
VirtualPort	String	The forwarding port.

## DdosInstanceList

Details of DDOS instances - data structure of an async task for querying associated cloud resources



Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
TotalCount	Integer	The total number of DDOS instances in this region.
InstanceList	Array of <a href="#">DdosInstanceDetail</a>	DDOS instance details.
Error	String	Whether to query exceptions.

## DvAuthDetail

Content of the `DvAuthDetail` parameter returned by `DescribeCertificates`

Used by actions: DescribeCertificate, DescribeCertificateDetail.

Name	Type	Description
DvAuthKey	String	Certificate domain name verification record key. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthValue	String	Certificate domain name verification record value. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthDomain	String	Certificate domain name verification domain value. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthPath	String	Certificate domain name verification file path, used only for file and file_proxy. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthKeySubDomain	String	Certificate domain name verification subdomain. Note: this field may return null, indicating that no valid values can be obtained.
DvAuths	Array of <a href="#">DvAuths</a>	Certificate domain verification information; multiple domain verifications use this field. Note: this field may return null, indicating that no valid values can be obtained.

## DvAuths

Content of the `DvAuths` parameter

Used by actions: DescribeCertificate, DescribeCertificateDetail.

Name	Type	Description
DvAuthKey	String	Certificate domain name verification record key. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthValue	String	Certificate domain name verification record value. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthDomain	String	Certificate domain name verification domain value. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthPath	String	Certificate domain name verification file path, used only for file and file_proxy. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthSubDomain	String	Certificate domain name verification subdomain. Note: this field may return null, indicating that no valid values can be obtained.
DvAuthVerifyType	String	Certificate domain verification type, valid values: TXT: add txt record for dns domain verification. FILE: domain file verification. CNAME: add cname record for dns domain verification. Note: this field may return null, indicating that no valid values can be obtained.

## Error

Errors

Used by actions: DescribeCertificateBindResourceTaskResult.

Name	Type	Description
Code	String	The error code. Note: This field may return null, indicating that no valid values can be obtained.
Message	String	The error message. Note: This field may return null, indicating that no valid values can be obtained.

## Filter

List of filter parameters

Used by actions: DescribeHostTeoInstanceList.

Name	Type	Required	Description
FilterKey	String	Yes	The key of the filter parameter.
FilterValue	String	Yes	The value of the filter parameter.

## GatewayCertificate

Cloud-native gateway certificate information

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Id	String	Gateway certificate ID Note: This field may return null, indicating that no valid value can be obtained.
Name	String	Gateway certificate information Note: This field may return null, indicating that no valid value can be obtained.
BindDomains	Array of String	Bound domain name Note: This field may return null, indicating that no valid value can be obtained.
CertSource	String	Certificate source Note: This field may return null, indicating that no valid value can be obtained.
CertId	String	SSL certificate ID that is currently bound Note: This field may return null, indicating that no valid value can be obtained.

## HostingConfig

Managed configuration.

Used by actions: DescribeCertificates.

Name	Type	Required	Description
ReplaceTime	Integer	No	Hosted resource replacement time, defaults to 30 days before the certificate expiration if there is a renewal certificate, then replace. Note: this field may return null, indicating that no valid values can be obtained.
MessageTypes	Array of Integer	No	Hosted send message type: 0, reminder message before hosted starts (you will receive this reminder message even if there is no renewal certificate); 1, reminder message when hosted starts (you will receive the message reminder only if there is a renewal certificate); 2, reminder message when hosted resource replacement fails; 3 reminder message when hosted resource replacement succeeds. Note: this field may return null, indicating that no valid values can be obtained.
ReplaceStartTime	String	No	Resource replacement start time.
ReplaceEndTime	String	No	Resource replacement end time.

## LiveInstanceDetail

Details of a LIVE instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Domain	String	The domain.
CertId	String	The ID of the associated certificate. Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	The status. Valid values: <code>-1</code> : No certificate is associated with the domain. <code>1</code> : HTTPS is enabled for the domain. <code>0</code> : HTTPS is disabled for the domain.

## LiveInstanceList

Details of LIVE instances - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
TotalCount	Integer	The total number of LIVE instances in this region.
InstanceList	Array of <a href="#">LiveInstanceDetail</a>	The list of LIVE instances. Note: This field may return null, indicating that no valid values can be obtained.
Error	String	Whether to query exceptions. Note: this field may return null, indicating that no valid values can be obtained.

## OperationLog

Certificate operation logs

Used by actions: DescribeCertificateOperateLogs.

Name	Type	Description
Action	String	Action performed on logs
CreatedOn	Timestamp	Time when the action is performed
Uin	String	Root account. Note: this field may return null, indicating that no valid values can be obtained.
SubAccountUin	String	Sub-Account. Note: this field may return null, indicating that no valid values can be obtained.
CertId	String	Certificate id. Note: this field may return null, indicating that no valid values can be obtained.
Type	String	Each operation type corresponds to a specific operation description. the following is a textual explanation of each operation type and its description: 1. apply: indicates applying for a free cert.

2. delete: indicates a deletion.
  3. download - represents the download operation.
  4. upload: indicates an upload operation.
  5. revoke: indicates revoking a cert.
  6. cancelRevoke - indicates canceling the revocation operation.
  7. updateAlias - indicates updating the remark information.
  8. changeProject - indicates assigning the certificate to a certain project.
  9. uploadConfirmLetter - indicates uploading the confirmation letter.
  10. cancel - indicates canceling the order operation.
  11. replace - specifies reissuing a certificate.
  12. downloadConfirmLetter - specifies downloading a certificate revocation confirmation letter.
  13. editRevokeLetter - specifies uploading a certificate revocation confirmation letter.
  14. renewVIP - specifies renewing a paid certificate.
  15. applyVIP - specifies applying for a paid certificate.
  16. submitInfo - specifies submitting documentation.
  17. downloadConfirmLetter - specifies downloading the confirmation letter template.
  18. uploadFromYunAPI - indicates uploading via the cloud api.
  19. transferIn - indicates the certificate transfer to operation.
  20. transferOut - indicates the certificate transfer operation.
  21. refund - indicates applying for a refund.
  22. multiYearsRenew - indicates multi-year auto-renewal.
  23. modifyDownloadLimit - indicates modifying the download limit switch.
  24. issued - indicates certificate issuance.
  25. domainValidationPassed - indicates domain verification completed.
  26. Resubmit - indicates reapplying for a certificate.
- Note: this field may return null, indicating that no valid values can be obtained.

## PreAuditInfo

List of prereview information

Used by actions: DescribeCertificates.

Name	Type	Description
TotalPeriod	Integer	Total number of years of the certificate Note: This field may return null, indicating that no valid values can be obtained.
NowPeriod	Integer	Current year of the certificate Note: This field may return null, indicating that no valid values can be obtained.

ManagerId	String	Certificate prereview manager ID Note: This field may return null, indicating that no valid values can be obtained.
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## ProjectInfo

Content of the `ProjectInfo` parameter. `ProjectInfo` is an element of `Certificates` array which is returned by `DescribeCertificates`.

Used by actions: DescribeCertificates.

Name	Type	Description
ProjectName	String	Project name Note: this field may return null, indicating that no valid values can be obtained.
ProjectCreatorUin	Integer	UIN of the project creator Note: this field may return null, indicating that no valid values can be obtained.
ProjectCreateTime	String	Project creation time Note: this field may return null, indicating that no valid values can be obtained.
ProjectResume	String	Brief project information Note: this field may return null, indicating that no valid values can be obtained.
OwnerUin	Integer	User UIN Note: this field may return null, indicating that no valid values can be obtained.
ProjectId	String	Project ID Note: this field may return null, indicating that no valid values can be obtained.

## ResourceTypeRegions

Cloud resource region list

Used by actions: UpdateCertificateInstance.

Name	Type	Required	Description
ResourceType	String	No	Cloud resource types, which support clb, waf, api gateway, cos, tke, tse, and tcb.
Regions	Array of String	No	Region list

## RootCertificates

Root certificate

Used by actions: DescribeCertificateDetail.

Name	Type	Description
Sign	String	Chinese SM signature certificate Note: This field may return null, indicating that no valid values can be obtained.
Encrypt	String	Chinese SM encryption certificate Note: This field may return null, indicating that no valid values can be obtained.
Standard	String	Standard certificate Note: This field may return null, indicating that no valid values can be obtained.

## SubmittedData

Content of the SubmittedData parameter returned by DescribeCertificates

Used by actions: DescribeCertificate, DescribeCertificateDetail.

Name	Type	Required	Description
CsrType	String	No	CSR type. online : CSR generated online; parse : CSR pasted Note: this field may return null, indicating that no valid values can be obtained.
CsrContent	String	No	CSR content Note: this field may return null, indicating that no valid values can be obtained.
CertificateDomain	String	No	Domain name information Note: this field may return null, indicating that no valid values can be obtained.
DomainList	Array of String	No	DNS information Note: this field may return null, indicating that no valid values can be obtained.
KeyPassword	String	No	Password of the private key



			Note: this field may return null, indicating that no valid values can be obtained.
OrganizationName	String	No	Enterprise or unit name Note: this field may return null, indicating that no valid values can be obtained.
OrganizationDivision	String	No	Division Note: this field may return null, indicating that no valid values can be obtained.
OrganizationAddress	String	No	Address Note: this field may return null, indicating that no valid values can be obtained.
OrganizationCountry	String	No	Country Note: this field may return null, indicating that no valid values can be obtained.
OrganizationCity	String	No	City Note: this field may return null, indicating that no valid values can be obtained.
OrganizationRegion	String	No	Province Note: this field may return null, indicating that no valid values can be obtained.
PostalCode	String	No	Postal code Note: this field may return null, indicating that no valid values can be obtained.
PhoneAreaCode	String	No	Area code of the fixed-line phone number Note: this field may return null, indicating that no valid values can be obtained.
PhoneNumber	String	No	Fixed-line phone number Note: this field may return null, indicating that no valid values can be obtained.
AdminFirstName	String	No	First name of the administrator Note: this field may return null, indicating that no valid values can be obtained.
AdminLastName	String	No	Last name of the administrator Note: this field may return null, indicating that no valid values can be obtained.
AdminPhoneNum	String	No	Phone number of the administrator

			Note: this field may return null, indicating that no valid values can be obtained.
AdminEmail	String	No	Email of the administrator Note: this field may return null, indicating that no valid values can be obtained.
AdminPosition	String	No	Position of the administrator Note: this field may return null, indicating that no valid values can be obtained.
ContactFirstName	String	No	First name of the contact Note: this field may return null, indicating that no valid values can be obtained.
ContactLastName	String	No	Last name of the contact Note: this field may return null, indicating that no valid values can be obtained.
ContactNumber	String	No	Phone number of the contact Note: this field may return null, indicating that no valid values can be obtained.
ContactEmail	String	No	Email of the contact Note: this field may return null, indicating that no valid values can be obtained.
ContactPosition	String	No	Position of the contact Note: this field may return null, indicating that no valid values can be obtained.
VerifyType	String	No	Validation type Note: this field may return null, indicating that no valid values can be obtained.

## SupportDownloadType

Supported types for download.

Used by actions: DescribeCertificates.

Name	Type	Description
NGINX	Boolean	Whether the available format of nginx can be downloaded.
APACHE	Boolean	Whether the available format of apache can be downloaded.

TOMCAT	Boolean	Whether the available format of tomcat can be downloaded.
IIS	Boolean	Whether the available format of iis can be downloaded.
JKS	Boolean	Indicates whether the jks format can be downloaded.
OTHER	Boolean	Indicates whether other formats can be downloaded.
ROOT	Boolean	Indicates whether the root certificate can be downloaded.

## SyncTaskBindResourceResult

Result of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskResult.

Name	Type	Description
TaskId	String	The task ID.
BindResourceResult	Array of <a href="#">BindResourceResult</a>	The associated cloud resources. Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	The status of the async task. Valid values: <code>0</code> for querying, <code>1</code> for successful, and <code>2</code> for abnormal. If the status is <code>1</code> , the result of <code>BindResourceResult</code> will be displayed; if the status is <code>2</code> , the error causes will be displayed.
Error	<a href="#">Error</a>	The error occurred when querying the associated cloud resources. Note: This field may return null, indicating that no valid values can be obtained.
CacheTime	String	The cache time of the current result.

## TCBAccessInstance

TCB access instances

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
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Domain	String	The domain. Note: This field may return null, indicating that no valid values can be obtained.
Status	Integer	The status. Note: This field may return null, indicating that no valid values can be obtained.
UnionStatus	Integer	The unified domain status. Note: This field may return null, indicating that no valid values can be obtained.
IsPreempted	Boolean	Whether the domain is preempted. A preempted domain is one that is already associated with another environment. It must be disassociated or re-associated first. Note: This field may return null, indicating that no valid values can be obtained.
ICPStatus	Integer	Whether the domain is added to the ICP blacklist. Valid values: <code>0</code> for no and <code>1</code> for yes. Note: This field may return null, indicating that no valid values can be obtained.
OldCertificateId	String	The ID of the associated certificate. Note: This field may return null, indicating that no valid values can be obtained.

## TCBAccessService

Details of TCB access instances

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
InstanceList	Array of <a href="#">TCBAccessInstance</a>	The list of instances. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The instance count. Note: This field may return null, indicating that no valid values can be obtained.

## TCBEnvironment

### Details of TCB environment instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
ID	String	The unique ID. Note: This field may return null, indicating that no valid values can be obtained.
Source	String	The source. Note: This field may return null, indicating that no valid values can be obtained.
Name	String	The name. Note: This field may return null, indicating that no valid values can be obtained.
Status	String	The status. Note: This field may return null, indicating that no valid values can be obtained.

## TCBEnvironments

Details of TCB instances by environment - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Environment	<a href="#">TCBEnvironment</a>	The TCB environment. Note: This field may return null, indicating that no valid values can be obtained.
AccessService	<a href="#">TCBAccessService</a>	The access service. Note: This field may return null, indicating that no valid values can be obtained.
HostService	<a href="#">TCBHostService</a>	Whether static hosting is used. Note: This field may return null, indicating that no valid values can be obtained.

## TCBHostInstance

Details of TCB service instances subject to static hosting

Used by actions: DescribeCertificateBindResourceTaskDetail.

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Name	Type	Description
Domain	String	The domain. Note: This field may return null, indicating that no valid values can be obtained.
Status	String	The status. Note: This field may return null, indicating that no valid values can be obtained.
DNSStatus	String	The resolution status. Note: This field may return null, indicating that no valid values can be obtained.
OldCertificateId	String	The ID of the associated certificate. Note: This field may return null, indicating that no valid values can be obtained.

## TCBHostService

List of TCB services subject to static hosting

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
InstanceList	Array of <a href="#">TCBHostInstance</a>	The list of instances. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The instance count. Note: This field may return null, indicating that no valid values can be obtained.

## TCBInstanceList

Details of TCB instances by region - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Region	String	The region.
Environments	Array of <a href="#">TCBEnvironments</a>	The list of TCB environments. Note: This field may return null, indicating that no valid values can be obtained.

Error	String	Whether to query exceptions. Note: this field may return null, indicating that no valid values can be obtained.
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## TSEInstanceDetail

TSE instance details

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
GatewayId	String	Gateway ID Note: This field may return null, indicating that no valid value can be obtained.
GatewayName	String	Gateway name Note: This field may return null, indicating that no valid value can be obtained.
CertificateList	Array of <a href="#">GatewayCertificate</a>	Gateway certificate list Note: This field may return null, indicating that no valid value can be obtained.

## TSEInstanceList

TSE instance details - asynchronously associated cloud resource data structure

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
InstanceList	Array of <a href="#">TSEInstanceDetail</a>	TSE instance details Note: This field may return null, indicating that no valid value can be obtained.
TotalCount	Integer	Total TSE instances in this region
Region	String	Region
Error	String	Whether to query exceptions. Note: this field may return null, indicating that no valid values can be obtained.

## Tags

### Tag

Used by actions: CreateCSR, CreateCertificate, DescribeCertificate, DescribeCertificateDetail, DescribeCertificates, UpdateCertificateInstance, UploadCertificate.

Name	Type	Required	Description
TagKey	String	Yes	Tag key
TagValue	String	Yes	Tag value

## TeoInstanceDetail

### Details of TEO instances

Used by actions: DescribeCertificateBindResourceTaskDetail, DescribeHostTeoInstanceList.

Name	Type	Description
Host	String	The domain.
CertId	String	The certificate ID.
Zoneld	String	The AZ ID. Note: This field may return null, indicating that no valid values can be obtained.
Status	String	Domain status. Deployed : deployed; Processing : deploying; Applying : applying; Failed : application failed; Issued : binding failed.

## TeoInstanceList

Details of the EDGEONE instances - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
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InstanceList	Array of <a href="#">TeoInstanceDetail</a>	The list of EDGEONE instances. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The total number of EDGEONE instances.
Error	String	Whether to query exceptions. Note: this field may return null, indicating that no valid values can be obtained.

## TkeIngressDetail

Details of a TKE Ingress instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
IngressName	String	The Ingress name.
TlsDomains	Array of String	The list of TLS domains.
Domains	Array of String	The list of Ingress domains.

## TkeInstanceDetail

Details of a TKE instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
ClusterId	String	The cluster ID.
ClusterName	String	The cluster name.
NamespaceList	Array of <a href="#">TkeNameSpaceDetail</a>	The list of cluster namespaces.
ClusterType	String	The cluster type.
ClusterVersion	String	The cluster version.

## TkeInstanceList

Details of TKE instances - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Region	String	The region.
InstanceList	Array of <a href="#">TkeInstanceDetail</a>	The list of TKE instances. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The total number of TKE instances in this region.
Error	String	Whether to query exceptions. Note: this field may return null, indicating that no valid values can be obtained.

## TkeNameSpaceDetail

Details of a TKE namespace

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Name	String	The namespace name.
SecretList	Array of <a href="#">TkeSecretDetail</a>	The secret list.

## TkeSecretDetail

Details of a TKE secret

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Name	String	The secret name.
CertId	String	The certificate ID.

IngressList	Array of <a href="#">TkeIngressDetail</a>	The Ingress list.
NoMatchDomains	Array of String	The list of domains that do not match the new certificate. Note: This field may return null, indicating that no valid values can be obtained.

## UpdateRecordDetail

Update record details

Used by actions: DescribeHostUpdateRecordDetail.

Name	Type	Description
Id	Integer	Update detail record id.
CertId	String	New and old certificate update - new certificate id.
OldCertId	String	Old and new certificate update - old certificate id.
Domains	Array of String	Deployment domain name list Note: This field may return null, indicating that no valid value can be obtained.
ResourceType	String	Type of cloud resource for updating old and new certs. - clb. - cdn. - ddos. - live. - vod. - waf. - apigateway. - teo. - tke. - cos. - tse. - tcb.
Region	String	Deployment region Note: This field may return null, indicating that no valid value can be obtained.
Status	Integer	Deployment status. valid values:. 0: To be deployed.

		1: Deployment successful. 2: Deployment failed. 3: Deploying. 4: Rollback succeeded. 5: Rollback failure. 6: No resource, no need for deployment.
ErrorMsg	String	Deployment error message Note: This field may return null, indicating that no valid value can be obtained.
CreateTime	String	Deployment time
UpdateTime	String	Last update time
InstanceId	String	Deployment instance ID Note: This field may return null, indicating that no valid value can be obtained.
InstanceName	String	Deployment instance name Note: This field may return null, indicating that no valid value can be obtained.
ListenerId	String	Deployment listener ID (only for CLB) Note: This field may return null, indicating that no valid value can be obtained.
ListenerName	String	Deployment listener name (only for CLB) Note: This field may return null, indicating that no valid value can be obtained.
Protocol	String	Protocol Note: This field may return null, indicating that no valid value can be obtained.
SniSwitch	Integer	Whether SNI is enabled (only for CLB) Note: This field may return null, indicating that no valid value can be obtained.
Bucket	String	Bucket name (only for COS) Note: This field may return null, indicating that no valid value can be obtained.
Port	Integer	Port Note: This field may return null, indicating that no valid value can be obtained.
Namespace	String	Namespace (only for TKE)

		Note: This field may return null, indicating that no valid value can be obtained.
SecretName	String	Secret name (only for TKE) Note: This field may return null, indicating that no valid value can be obtained.
EnvId	String	Environment ID Note: This field may return null, indicating that no valid value can be obtained.
TCBType	String	TCB deployment type Note: This field may return null, indicating that no valid value can be obtained.
Url	String	Listener url (only for CLB). Note: this field may return null, indicating that no valid values can be obtained.

## UpdateRecordDetails

Details of update records.

Used by actions: DescribeHostUpdateRecordDetail.

Name	Type	Description
ResourceType	String	Type of cloud resource for updating old and new certs. - clb. - cdn. - ddos. - live. - vod. - waf. - apigateway. - teo. - tke. - cos. - tse. - tcb.
List	Array of <a href="#">UpdateRecordDetail</a>	The update details of the cloud resource.
TotalCount	Integer	The update of the total number of cloud resources.

## UpdateRecordInfo

Deployment record information

Used by actions: DescribeHostUpdateRecord.

Name	Type	Description
Id	Integer	Record ID
CertId	String	New certificate ID
OldCertId	String	Old certificate ID
ResourceTypes	Array of String	Deployment resource type list
Regions	Array of String	Deployment region list Note: This field may return null, indicating that no valid value can be obtained.
Status	Integer	Deployment status
CreateTime	String	Deployment time
UpdateTime	String	Last update time

## UpdateSyncProgress

Update the progress of asynchronous task.

Used by actions: UpdateCertificateInstance.

Name	Type	Description
ResourceType	String	Resource type. Note: this field may return null, indicating that no valid values can be obtained.
UpdateSyncProgressRegions	Array of <a href="#">UpdateSyncProgressRegion</a>	Region result list. Note: this field may return null, indicating that no valid values can be obtained.
Status	Integer	Asynchronous update progress status: 0, pending, 1 processed, 3 processing.

Note: this field may return null, indicating that no valid values can be obtained.

## UpdateSyncProgressRegion

Update the progress of asynchronous task.

Used by actions: UpdateCertificateInstance.

Name	Type	Description
Region	String	Resource type. Note: this field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	Total number . Note: this field may return null, indicating that no valid values can be obtained.
OffsetCount	Integer	Quantity of executions completed. Note: this field may return null, indicating that no valid values can be obtained.
Status	Integer	Asynchronous update progress status: 0, pending, 1 processed, 3 processing. Note: this field may return null, indicating that no valid values can be obtained.

## VODInstanceList

Details of VOD instances - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
InstanceList	Array of <a href="#">VodInstanceDetail</a>	The list of VOD instances. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The total number of VOD instances in this region.
Error	String	Whether to query exceptions. Note: this field may return null, indicating that no valid values can be obtained.

## VodInstanceDetail

Details of a VOD instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Domain	String	The domain.
CertId	String	The certificate ID.

## WafInstanceDetail

Details of a WAF instance

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Domain	String	The domain.
CertId	String	The certificate ID. Note: This field may return null, indicating that no valid values can be obtained.
Keepalive	Integer	Whether to keep the persistent connection. Note: This field may return null, indicating that no valid values can be obtained.

## WafInstanceList

Details of WAF instances - data structure of an async task for querying associated cloud resources

Used by actions: DescribeCertificateBindResourceTaskDetail.

Name	Type	Description
Region	String	The region.
InstanceList	Array of <a href="#">WafInstanceDetail</a>	The list of WAF instances. Note: This field may return null, indicating that no valid values can be obtained.
TotalCount	Integer	The total number of WAF instances in this region.



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Error	String	Whether to query exceptions. Note: this field may return null, indicating that no valid values can be obtained.
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# Error Codes

Last updated : 2025-02-27 16:22:10

## 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 <a href="#">CAM</a> 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	A CAM signature/authentication error occurred.
FailedOperation.AuthError	You do not have permission to perform this operation.
FailedOperation.BoundResources	Cannot be deleted when there are unbound cloud resources.
FailedOperation.CAMAuthorizedFail	A CAM authentication error occurred.
FailedOperation.CancelOrderFailed	Failed to cancel the order.
FailedOperation.CannotBeDeletedIssued	Failed to delete the certificate because it has been issued.
FailedOperation.CannotBeDeletedWithinHour	Free certificates cannot be deleted within 1

	hour after being applied for.
FailedOperation.CannotGetOrder	Failed to get order information. Try again later.
FailedOperation.CertificateCaError	Note: the uploaded certificate content does not conform to the standard format of ca certificates. please check whether the certificate type is incorrect.
FailedOperation.CertificateDeployDetailRollbackStatusInvalid	This operation can be performed only when the record status is Complete.
FailedOperation.CertificateDeployHasPendingRecord	There is a running certificate deployment task. Please try again after the deployment is complete.
FailedOperation.CertificateDeployInstanceEmpty	There is no instance for the selected cloud resource. Updating failed. Please try again after checking it.
FailedOperation.CertificateDeployNotExist	The certificate deployment record does not exist.
FailedOperation.CertificateDeployRetryStatusInvalid	This operation can be performed only when the record status is Failed.
FailedOperation.CertificateDeployRollbackStatusInvalid	A rollback can be performed only when there is a record indicating successful deployment.
FailedOperation.CertificateEncryptInvalid	The certificate is suspected to be an SM2 certificate and does not comply with the selected certificate standard. Please check whether the selected certificate standard and the content of the certificate are correct.
FailedOperation.CertificateExists	The certificate already exists.
FailedOperation.CertificateHostDeployCanNotAllow	The current certificate is not allowed to use the one-click update function.
FailedOperation.CertificateHostResourceInnerInterrupt	Unable to use the deployment feature because the login account is an internal account with too many instance resources. Please contact us to handle it.
FailedOperation.CertificateHostResourceInstanceHugeLimit	There are too many instances under the current account. Loading cannot be performed properly. Please switch the loading mode. After

	switching, click "Refresh List" and wait for a period of time. Then, all the instances can be loaded.
FailedOperation.CertificateHostResourceTypeInvalid	The cloud resource type is invalid.
FailedOperation.CertificateInvalid	The certificate is invalid.
FailedOperation.CertificateMatchError	Note: the certificate content and private key do not match. please check (pay attention to whether there are extra spaces).
FailedOperation.CertificateMismatch	The certificate and the private key do not match.
FailedOperation.CertificateNotAvailable	The certificate is not available. Please check and try again.
FailedOperation.CertificateNotDeployInstance	The certificate is not allowed to be deployed under the instance list.
FailedOperation.CertificateNotFound	The certificate does not exist.
FailedOperation.CertificateNotFoundOrCantCancel	The certificate does not exist, or the review cannot be canceled.
FailedOperation.CertificateParseError	Parsing failed. check if the certificate meets the standard and pay attention to whether there are extra spaces.
FailedOperation.CertificateStatusNotAllowResubmit	You cannot re-submit a review application for a certificate in this status.
FailedOperation.CertificateSyncTaskIdInvalid	The cert associated with the cloud resource query task id is invalid.
FailedOperation.ConfirmLetterTooLarge	The confirmation letter file cannot exceed 1.4 MB.
FailedOperation.ConfirmLetterTooSmall	The confirmation letter file cannot be smaller than 1 KB.
FailedOperation.DeleteFailedTimeNotUp	Cannot be deleted when the free cert application time has not exceeded 1 hour.
FailedOperation.DeleteResourceFailed	The certificate is associated with a Tencent Cloud resource and cannot be deleted.

FailedOperation.ExceedsFreeLimit	The number of free certificates exceeds the maximum value.
FailedOperation.InvalidCertificateSource	Certificate source error.
FailedOperation.InvalidCertificateStatusCode	The certificate status is incorrect.
FailedOperation.InvalidConfirmLetterFormat	The format of the confirmation letter file is invalid (JPG, JPEG, PNG, and PDF are supported).
FailedOperation.InvalidConfirmLetterFormatWosign	The format of the confirmation letter file is invalid (JPG, PDF, and GIF are supported).
FailedOperation.InvalidParam	Incorrect parameters.
FailedOperation.MainDomainCertificateCountLimit	The number of free certificates applied for under the primary domain name (%s) has reached the upper limit of %s. Please purchase a paid certificate.
FailedOperation.NetworkError	The CA system is busy. Try again later.
FailedOperation.NoProjectPermission	You do not have the permission to operate on this project.
FailedOperation.NoRealNameAuth	You have not completed the identity verification.
FailedOperation.OrderAlreadyReplaced	This order has already been replaced.
FailedOperation.OrderReplaceFailed	Failed to reissue a certificate.
FailedOperation.PackageCountLimit	The remaining benefit points are insufficient.
FailedOperation.PackageExpired	The benefit package has expired.
FailedOperation.PackageNotFound	The benefit package does not exist.
FailedOperation.RenewNotIssued	Cannot perform deletion when the renewed cert has not been issued.
FailedOperation.RoleNotFoundAuthorization	The role does not exist. Please authorize the role first.
FailedOperation.SystemError	A system error occurred.
InternalError.BackendResponseEmpty	The backend service response is empty.

InternalError.BackendResponseError	An error occurred with the backend service response.
InvalidParameter.CertificateStatusNotAllowResubmit	u200cYou cannot re-submit a review application for a certificate in this status.
InvalidParameter.InvalidCSRId	Incorrect CSR ID.
InvalidParameter.MissMatchPrivateKey	There is no matching private key.
InvalidParameter.PackageIdsInvalid	The list of benefit point IDs is invalid.
InvalidParameter.RenewAlgorithmInvalid	The algorithm is invalid.
InvalidParameter.WithDetailReason	The parameter is incorrect.
InvalidParameterValue.IntermediateCertNotSame	Intermediate certificate inconsistent.
LimitExceeded.RateLimitExceeded	The API rate limit is reached.
ResourceNotFound.Manager	The manager of the company does not exist.