

SSL Certificate Service

API Documentation

Product Documentation



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API Documentation

Overview

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Thank you for using Tencent Cloud SSL Certificate Service!

SSL Certificate Service provides a one-stop service of Secure Sockets Layer (SSL) certificates, including certificate application, management and deployment. By working with top-level digital certificate authorities (CAs) and agents, we provide HTTPS solutions designed for your website and mobile applications.

In case there is any conflict between the value or available range of any parameter provided in the "API Description" of this document and that provided on the Tencent Cloud official website, **the latter shall prevail.**

Certificate-related API

Getting Certificate List

Last updated : 2019-07-22 12:45:13

1. API Description

This API (CertGetList) is used to get the list of certificates.

API request domain name: wss.api.qcloud.com

2. Input Parameters

The list below contains only the API request parameters. The common request parameters need to be added when a call is made. For more information, see [Common Request Parameters](#). The Action field of this API is CertGetList.

Parameter Name	Required	Type	Default	Description
page	No	Int	1	Number of pages
count	No	Int	20	Number of entries per page
searchKey	No	String	-	Key word for search
certType	No	String	-	Certificate type. CA = client certificate. SVR = server certificate.
id	No	String	-	Certificate ID
withCert	No	Int	0	Indicates whether to get certificate content at the same time
altDomain	No	String	-	Only returns to the certificates used by the domain name if applicable

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API.
codeDesc	String	Error code. For a successful operation, "Success" is returned. For a failed operation, a message describing the failure is returned.
data	Array	Data returned by the API.

If the list is obtained, the "data" field is returned which contains record information, where the "list" field is the basic information returned after the list is obtained:

Parameter Name	Type	Description
ownerUin	String	Account
projectId	String	Project ID
from	String	The source of the certificate. "trustasia" is Trust Asia, "upload" is uploaded by users.
type	Int	Certificate type
certType	String	Same as the input parameter "certType" with available values of CA and SVR
productZhName	String	Name of the certificate authority
domain	String	Primary domain name
alias	String	Alias
status	Int	Status value, see "Certificate Status Information".
vulnerability_status	String	Vulnerability scanning status: INACTIVE = Not activated; ACTIVE = activated.
statusMsg	String	Status information
verifyType	String	Verification type
certBeginTime	String	Time when the certificate takes effect

Parameter Name	Type	Description
certEndTime	String	Time when the certificate expires
validityPeriod	String	Time when the certificate expires
insertTime	String	Creation time
projectInfo	String	Project information, see "Fields of detailed project information".
id	String	Certificate ID
subjectAltName	Array	Domain names contained by the certificate (including primary domain name)
type_name	String	Name of certificate type
status_name	String	Status name
is_vip	Bool	Indicates whether this is a VIP
is_dv	Bool	Indicates whether it is a DV certificate
is_wildcard	Bool	Indicates whether it is a wildcard-domain certificate
is_vulnerability	Bool	Indicates whether vulnerability scanning is enabled

Certificate status:

Parameter Value	Description
0	Verifying
1	Approved
2	Verification failed
3	Expired
4	Tencent Cloud DNS record has been added
5	OV/EV certificate to be submitted
6	Canceling orders
7	Canceled
8	Materials submitted and confirmation letter to be uploaded

Fields of detailed project information:

Parameter Name	Type	Description
projectId	String	Project ID
ownerUin	String	uin that the project belongs to. It is 0 by default.
name	String	Project name
creatorUin	String	Creator uin
createTime	String	Creation time of the project
info	String	Project description

4. Example

```
https://wss.test.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=CertGetList  
&id=xxxxxxx
```

The returned results are as below:

```
{  
  "code": 0,  
  "message": "",  
  "codeDesc": "Success",  
  "data": {  
    "totalNum": 12,  
    "list": [  
      {  
        "ownerUin": "664372747",  
        "projectId": "0",  
        "from": "trustasia",  
        "type": "2",  
        "certType": "SVR",  
        "productZhName": "TrustAsia TLS RSA CA",  
        "domain": "cl.f-xj.cn",  
        "alias": "",  
        "status": 1,  
        "vulnerability_status": "INACTIVE",  
        "statusMsg": null,  
      }  
    ]  
  }  
}
```



```
"verifyType": "DNS_AUTO",
"certBeginTime": "2017-12-20 08:00:00",
"certEndTime": "2018-12-20 20:00:00",
"validityPeriod": "12",
"insertTime": "2017-12-20 21:25:00",
"projectInfo": {
"projectId": "0",
"ownerUin": 0,
"name": "Default Project",
"creatorUin": 0,
"createTime": "0000-00-00 00:00:00",
"info": "default project"
},
"id": "GjTNRoK7",
"subjectAltName": [
"cl.f-xj.cn"
],
"type_name": "TrustAsia TLS RSA CA",
"status_name": "approved",
"is_vip": false,
"is_dv": true,
"is_wildcard": false,
"is_vulnerability": false
}
]
}
}
```

Uploading a Certificate

Last updated : 2019-07-22 12:45:25

1. API Description

This API (CertUpload) is used to upload certificates.

API request domain name: `wss.api.qcloud.com`

2. Input Parameters

The list below contains only the API request parameters. The common request parameters need to be added when a call is made. For more information, see [Common Request Parameters](#). The Action field of this API is CertUpload.

Parameter Name	Required	Type	Description
cert	Yes	String	Certificate content
certType	Yes	String	Certificate type. CA: client certificate. SVR: server certificate.
key	No	String	Certificate private key, which is required when certType = SVR.
alias	No	String	Certificate remark

3. Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API
data	Array	Data returned by the API.

The "data" parameter contains the number of domain names in the account as well as the list of domain names.

Parameter Name	Type	Description
id	String	Certificate ID

4. Example

```
https://wss.api.qcloud.com/v2/index.php?
&<Common request parameters>
&Action=CertUpload
&cert=-----BEGIN+CERTIFICATE-----
MIIFxTCCBK2gAwIBAgIQExOG1fLHj38bcWMxgd+cUTANBgkqhkiG9w0BAQsFADCB
lzELMAkGA1UEBhMCQ04xJTAjBgNVBAoTHFRydXN0QXNpYsBUZWNobm9sb2dpZXMs
IEluYy4xHzAdBgNVBAstFIN5bWFudGVjIFRydXN0IE5ldHdvcmsxHTAbBgNVBAst
FERvbWFpbiBwYXpZGF0ZWQGU1NMMSEwHwYDVQQDEhUcnVzdEFzaWEgRFYgU1NM
IENBIC0gRzUwHhcNMTcwMzIzMDAwMDAwWhcNMTgwMzIzMjM1OTU5WjAcMR0wGAYD
VQQDDBFzYWRmZGFzZi5mLXhqLmNvbTCCASlwdQYJKoZIhvcNAQEBBQADggEPADCC
AQoCggEBAIlijWcJfs3Zc4qVh4lhijOpt9dX3E3+T4z3EtPdCfZ54/ff9IRiR8M
Ah9f5JUWBK3aVYfv2+QE5GYBs6VFqLp5xpEDKEzPOm2D2qyuqGSxMyhWGQU+NS3i
QMu+TI0PttvOpqMYnIUxyHLgRd6rXnJB7pB0Yy/XKvZEZ5QIFgpbSDLWzoPUS9qD
v+2z5T5mhmU8LzQLoj1dhzSTi9l/DxbhBS3KwO4Dy4mju2PesAU9liNVdiJnMPu
zlrT7QEMhvo+xWM0LNBH5YfWiA0HDh5M5A02SA6ac+zyn5sJqPifBZfdrnMqkM44
N/arM0VCmL9s1QYKVEXUb+hIVjLv3wcCAwEAAAOCAoUwggKBMwGA1UdEQQVMBOC
EXNhZGZkYXNmLmYteGouY29tMAkGA1UdEwQCMAAwYQYDVR0gBFowWDBWBgZngQwB
AgEwTDAjBggrBgEFBQcCARYXaHR0cHM6Ly9kLnN5bWNiLmNvbS9jcHMwJQYIKwYB
BQUHAglwGQwXaHR0cHM6Ly9kLnN5bWNiLmNvbS9ycGEwHwYDVVR0jBBgwFoAUBVjH
fxrn4T8upoyXNUK79NM4rD8wDgYDVR0PAQH/BAQDAgWgMB0GA1UdJQQWMBQGCSG
AQUFBwMBBggrBgEFBQcDAjCBmwYIKwYBBQUHAQEgY4wgYswPAYIKwYBBQUHMAGG
MGh0dHA6Ly90cnVzdGFzaWEyLW9jc3AuZGlhXhRhbGNlcnR2YWxpZGF0aW9uLmNv
bTBLBggrBgEFBQcwAoY/aHR0cDovL3RydXN0YXNpYtItYWlhLmRpZ2I0YWxjZXJ0
dmFsaWRhdGlubi5jb20vdHJ1c3Rhc2lhZzUuY3J0MIIIBAwYKKwYBBAAHWEQIEAgSB
9ASB8QDvAHUA3esdK3oNT6Ygi4GtgWhwfi6OnQHvXliNPRHEzbbssvswAAAFa+fdN
XwAABAMARjBEAiBkrtXs+rqHITwJqQMpu0SldjKliny1vqpHjo+oAzltzQlgdPmV
0BcClvGrPAvAMWvy6tBuricc/KclgriZlCnT1n0AdgCkuQmQtBhYfle7E6LMZ3AK
PDWYBPkb37jJd80OyA3cEAAAAR5902NAAAEAwBHMEUCID8Dvmmw70QF021Y4i3y
rAB9L0gs8JhJJ/fCPBiJRrhoAiEAjkZSMIXAMbr4CW0KViR3wgZo/+MqP/hJNmle
wm3K0aowDQYJKoZIhvcNAQELBQADggEBABnpDVVmtDrsfcbpchMQaitWmncXvk2P
U//LHQ06cY+pTJ+2ARLbAlmkHfJhKcxav4+YZkLpYrmJcQ2stYdErloZtr4t932f
O/2HUiSJ8nsNTw7JuTg0ZU0kuTRQdaMzMjH/nID+YJctmeCwwCaiK+6WtSc2Vg0I
wBt/gPMiWiBHnltJqH4RaOhwjxJi2rYYmQ7Pe0MLTg4QJF5u0C8k00JfXwYx3GS
riHMBZXZG+ajlZbTRGTcBW7mDiTg9+itfJl6qHGhjpWOscCdUwNZq6bVgUd/VGH
```

```
5WAq11Pgi9KlqF7gZpeodXRJaW0WQrtVO15BWfte9Msal0TpMmbkQ0M=
-----END+CERTIFICATE-----
```

```
-----BEGIN+CERTIFICATE-----
```

```
MIIFZTCCBE2gAwIBAgIQOhAOfxCeGsWcxf/2QNxkQjANBgkqhkiG9w0BAQsFADCB
yjELMAkGA1UEBhMCVVMxZzAVBgNVBAoTDIzlcm1TaWduLCBJbmMuMR8wHQYDVQQL
ExZWZXJpU2lnbiBUcncvZzdCBOZXR3b3JrMTowOAYDVQQLEzEoYykgMjAwNiBWXzJp
U2lnbiwgSW5jLiAtIEZvciBhdXR0b3JpemVkIHVzZSBvbmh5MjUuUWwYDVQQDEzxW
ZXJpU2lnbiBDdGFzcyZlZmYyYyYyYyYyYyYyYyYyYyYyYyYyYyYyYyYyYyYyYyYy
aG9yaXR5IC0gRzUwHhcNMjYwODEyMDAwMDAwWHcNMjYwODEyMDAwMjUwMjUwMjUwMjUw
MAkGA1UEBhMCQ04xJTAjBgNVBAoTHFRydXN0QXNpYSBUZWNobm9sb2dpZXMslElu
Yy4xHzAdBgNVBAstFjN5bWFudGVjIFRydXN0IE5ldHdvcmsxHTAbBgNVBAstFERv
bWFPbiBWWYwXpZGF0ZWQgU1NMMSEwHwYDVQQDEExhUcncvZzdEFzaWEgRfYgU1NMIENB
IC0gRzUwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQC39aSJZG/97x3a
6Qmuc9+MubagegRAVUmFYHTYTs8IKB2pM7wXN7W8mekdZaEgUjDFxvRBK/DhTb7U
8ONLsKKdT86aOhzbz2noCTn9wPWnGwkg+/4YKg/dPQQdV9tMsSu0cwqInWHxSAkm
AI1hYFC9D7Sf7Hp/5cRcD+dK454YMRzNOGLQnCVI8JEqrz6o9SOvQNTqTcfqt6DC
0UIXG+MPD1eNPjlf1Vwaab+VSTgySoC+lkbq2VsdylkeOiGXW/OliASH7+2LcR05
PmQ7GEoIM8yzoVojFpM8sHz+Wxl05ZOPri5+vX3HhHHjWr5432G0dVmgohnZvlVZ
oy8XrlbpAgMBAAGjggF2MIIBcjASBgNVHRMBAf8ECDAGAQH/AgEAMC8GA1UdHwQo
MCYwJKAioCCGHmh0dHA6Ly9zLnN5bWNiLmNvbS9wY2EzLWc1LmNybDAOBgNVHQ8B
Af8EBAMCAQYwLgYIKwYBBQUHAQEEljAgMB4GCCsGAQUFBzABhhJodHRwOi8vcy5z
eW1jZC5jb20wYQYDVVR0gBFowWDBWBgZngQwBAgEwTDAjBggrBgEFBQcCARYXaHR0
cHM6Ly9kLnN5bWNiLmNvbS9jcHMwJQYIKwYBBQUHAglwGRoXaHR0cHM6Ly9kLnN5
bWNiLmNvbS9ycGEwHQYDVROlBBYwFAyIKwYBBQUHAwEGCCsGAQUFBwMCMCkGA1Ud
EQQiMCCkHjAcMRowGAYDVQQDEExFTeW1hbnRlY1BLSS0yLTYwMTAdBgNVHQ4EFgQU
bVjHfxrn4T8upoyXNUK79NM4rD8wHwYDVROjBBgwFoAUf9Nlp8Ld7LwMANzQzn6
Aq8zMTMwDQYJKoZIhvcNAQELBQADggEBABUphhBbeG7scE3EveIN0dOjXPgwgQi8
I2ZAKYm6DawoGz1IEJVdvFmkyMbP973X80b7mKmn0nNbe1kjA4M000hHaMM1ZaEv
7e9vHEAoGyysMO6HzPWYmkyNxcCV7Nos2Uv4RvLDpQHh7P4Kt6fUU13ipcynrtQD
1IFUM0yoTzwwFsPu3Pk+94hL58ErqwqJQwxoHMgLIQeMVHeNKcWfy1bddSblbCWU
Zs6cMxhrra062ZCpDCbxyEaFNGAtYQMqNz55Z/14XgSUONZ/cJTns6QKhpcgTOWB
fnNzRnk+aWreP7osKhXlz4zs+lIP7goBDKFOMMtoEXx3YjJCKgpqmBU=
```

```
-----END+CERTIFICATE-----
```

```
&certType=SVR
```

```
&key=-----BEGIN+RSA+PRIVATE+KEY-----
```

```
MIIeogIBAAKCAQEAiWWNZwl+zdlzipWGrigGKM4+311fcT...(omitted)...dTh0tEPGcssOuNtHEFW4RywO
QVGihxe+cszCTo0u/iJSS5w8M=
```

```
-----END+RSA+PRIVATE+KEY-----
```

The returned results are as below:

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

```
"codeDesc": "Success",  
"data": {  
  "id": "9hyvgrkE"  
}  
}
```

Deleting a Certificate

Last updated : 2019-07-22 12:46:00

API Description

This API (CertDelete) is used to delete a certificate.

API request domain name: wss.api.qcloud.com

Input Parameters

The list below contains only the API request parameters. The common request parameters need to be added when a call is made. For more information, see [Common Request Parameters](#). The Action field of this API is CertDelete.

Parameter Name	Required	Type	Description
id	Yes	String	Certificate ID, which is the ID field in the list of certificates obtained from GetList

Output Parameters

Parameter Name	Type	Description
code	Int	Common error code. 0: Successful; other values: Failed. For more information, see Common Error Codes on the Error Codes page.
message	String	Module error message description depending on API.
codeDesc	String	Error code. For a successful operation, "Success" is returned. For a failed operation, a message describing the failure is returned.

- A free SSL certificate can be deleted only if its status is "review failed", "expired", or "revoked" or the verification fails 1 hour after the application.
- A paid SSL certificate can be deleted only if its status is "expired" or "revoked".

- SSL certificates associated with CLB, CDN, or BM cannot be deleted.
- All managed SSL certificates except those associated with CLB, CDN, or BM can be deleted.

Example

```
https://wss.test.api.qcloud.com/v2/index.php?  
&<Common request parameters>  
&Action=CertDelete  
&id=xxxxxxx
```

The returned results are as below:

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