

Alibaba Cloud SSL Certificates

Manage the certificates

Issue: 20200709









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Document conventions

Style	Description	Example
	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: Resetting will result in the loss of user configuration data.
	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.
	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: If the weight is set to 0, the server no longer receives new requests.
	A note indicates supplemental instructions, best practices, tips, and other content.	 Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings > Network > Set network type.
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click OK.
Courier font	Courier font is used for commands.	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
{ } or {a b}	This format is used for a required value, where only one item can be selected.	switch {active stand}

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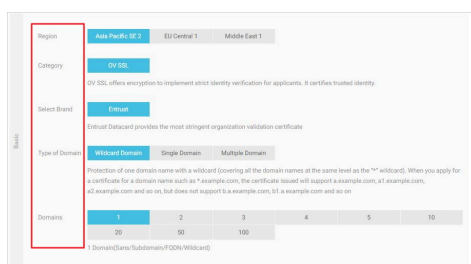
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1 Select and purchase certificates

On the Alibaba Cloud SSL certificate purchase page, you can select and purchase a certificate.

Procedure

1. Go to the [Alibaba Cloud SSL Certificate](#) purchase page.
2. Select the target certificate configuration.



For information about the certificate brand, type, and other items, see [SSL certificate configuration table](#) in this document.

3. Select the quantity and validity period of certificates.



Note:

For all certificate types, the validity period is up to two years.

4. After making the payment, you can apply for the certificate.

SSL certificate configuration table

There are two types of SSL certificates:

- OV SSL
- EV SSL

According to quantity demand of protected domain, SSL certificate is classified into:

- One domain name: One SSL certificate protects one domain, such as [www.abc.com](#) or [login.abc.com](#).
- Multiple domain names: One SSL certificate protects multiple domain names, such as protect [www.abc.com](#), [www.bcd.com](#) and [pay.efg.com](#) at the same time.

2 Revoke certificates

You can apply to revoke a certificate in the SSL Certificate console for security purposes, or when you no longer need it.

Context

Revoke Certificate: cancels an issued certificate from the certificate authority. After a certificate is revoked, it is no longer valid for encryption and web browsers no longer trust it. Alibaba Cloud SSL Certificates Service allows you to revoke certificates issued by Alibaba Cloud. Uploaded third-party certificates cannot be revoked.



Notice:

After a certificate revocation application is submitted, you cannot view or download the certificate in the SSL Certificate console.

You can only delete revoked SSL certificates in the SSL Certificate console, but cannot delete issued SSL certificates which are not revoked. For the differences between revocation and deletion, see [What is the difference between revoking a certificate and deleting a certificate?](#)



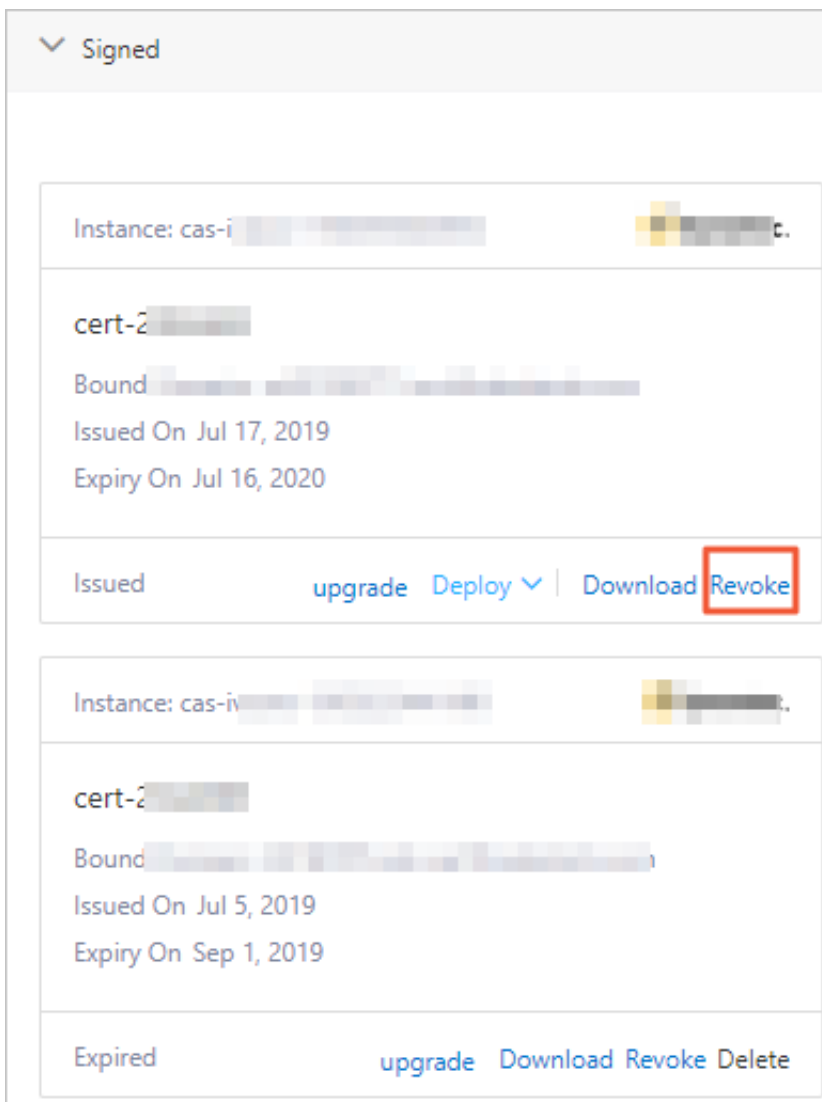
Note:

- If you require refunds for issued certificates, you must revoke the certificates within 30 calendar days after the certificates have been issued. Otherwise, refunds cannot be issued. No refund will be issued for a certificate that is **issued over 30 calendar days** or whose **revocation process cannot be completed within 30 calendar days after the issuance of the certificate**.
- It takes up to five business days for the certification authority (CA) to process a certificate revocation application. If you need to revoke a certificate and apply for a refund, apply for the revocation in the Alibaba Cloud SSL Certificate console **at least five business days in advance**, within 30 calendar days after the certificate is issued. If you do not reserve enough revocation processing time, your certificate may be in effect more than 30 calendar days after it was issued and a refund cannot be made.

Procedure

1. Log on to the Alibaba Cloud [SSL Certificate](#) console.
2. In the left-side navigation pane, click **Overview**.

- On the **SSL Certificates** page, find the certificate to be revoked in the **Signed** certificate list, and click **revoke**.



- On the **Revoke Certificate** page, select the revocation cause and click **Confirm**.
- In the dialog box that appears, click **OK**.
- Complete the email confirmation.

After you submit an application for certificate revocation, the CA will send you a confirmation email to the **Applicant's Email Address**. Check the email in time and confirm the revocation of certificates.



Note:

After you submit an application for certificate revocation, you will receive a confirmation email for OV and EV certificates sent from the CA. An application for DV certificate revocation does not require email confirmation.

After you complete the email confirmation, the certificate is revoked successfully.

References

[#unique_6](#)

[#unique_7](#)

3 Upload certificates

Alibaba Cloud SSL Certificates Service allows you to upload other types of certificates and manage them centrally in the SSL Certificates console.

Limit

PEM certificate files can be directly uploaded while the other formats of certificate files must be [converted to PEM](#) files before uploading.

A **PEM** file can have either of the following extensions:

- .pem
- .crt



Note:

Uploaded certificates cannot be downloaded.

Procedure

1. Log on to the [Alibaba Cloud SSL Certificates console](#).
2. On the SSL Certificates page, click **Upload Certificate** in the upper-right corner.

SSL Certificates

After the certificate is purchased, the certificate information needs to be improved and submitted for approval before it can be used. [View details](#) | [Personal service](#)

```
graph LR; A[Purchase an SSL Certificate] --> B[Enter Request Information, Submit for Review]; B --> C{ }; C --> D[Domain Validation]; C --> E[Organization Validation]; D --> F[Installation & Download]; E --> F; C --- G[OV&EV Certificate]; C --- H[DV Certificate];
```

Total	Issued	Pending Application	Will Expired	Check Fail	Expired
901	745	74	2	50	17

[Purchase Certificate](#) **Upload Certificate**

All Status 901 All Brands Certificate Domain

Unsigned

Domain: www.example.com

Expires: 2024-12-31

Organization: Alibaba Cloud

Validity: 365 days

Apply for purchase

Domain: www.example.com

Expires: 2024-12-31

Organization: Alibaba Cloud

Validity: 365 days

Apply for purchase

Domain: www.example.com

Expires: 2024-12-31

Organization: Alibaba Cloud

Validity: 365 days

Apply for purchase

3. In the Upload Certificate dialog box, enter Certificate Name. In **Certificate File**, paste the content in your certificate file (suffixed with .pem or .crt, or of .pem or .crt file format).

In **Certificate Key**, paste the content in your key file (suffixed with .key or of .key file format).

Upload Certificate ✕

● **Certificate Name:**

The certificate name can contain letters, numbers, underscores (_) and hyphens (-).

● **Certificate File:**

```
vv
|-----BEGIN CERTIFICATE-----
|
|
|
|-----END CERTIFICATE-----
```

● **Certificate Key:**

```
MIIEpAIBAAKCAQIw...w
|
|
|-----END RSA PRIVATE KEY-----
```

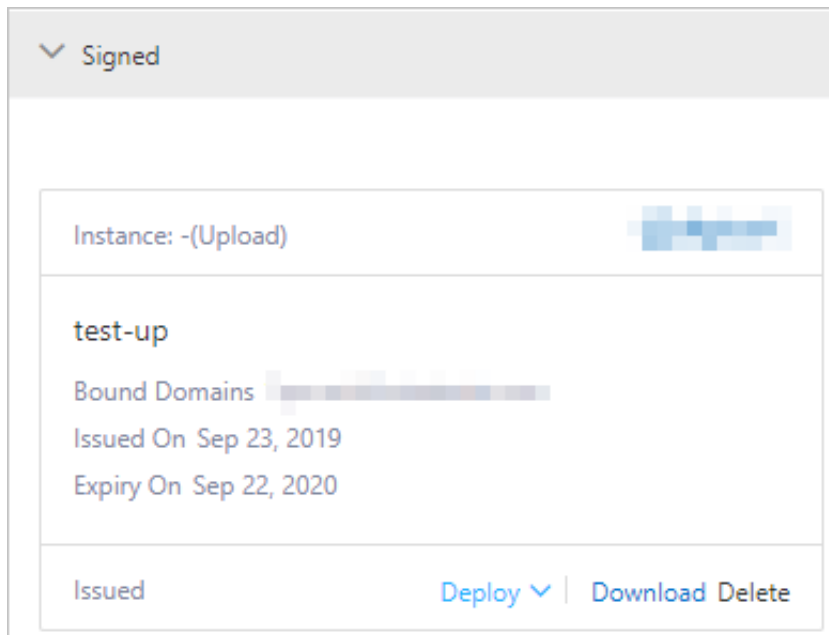
In order to better protect your certificate data security, uploaded certificates do not support downloading!

**Note:**

Use a text tool (Notepad or Notepad++) to open your certificate file and private key file.

4. Click OK.

You can locate the certificate you uploaded on the Issued tab page. You can also deploy the uploaded certificate to Alibaba Cloud products.



4 FAQ

4.1 What is the difference between revoking a certificate and deleting a certificate?

Alibaba Cloud SSL Certificates Service allows you to revoke certificates and delete expired or revoked certificates.

Revoke: An issued certificate is canceled on the part of the issuing authority. After the certificate is revoked, it is no longer valid for encryption and the browser no longer trusts it.

Delete: Certificate resources are deleted from the Alibaba Cloud system.

Restrictions on certificate revocation and refunds

You can apply to [Revoke certificates](#) when you no longer need it or for security reasons. Certificate revocation is not subject to any restrictions.

When a paid certificate is revoked (**you submit a revocation application and the revocation review is completed**) within 30 days after it is issued, you are entitled to a full refund. If you revoke a certificate after 30 days, no refund is made.

Restrictions on certificate deletion

- Unexpired certificates can be deleted only after being revoked.
- Expired certificates can be deleted at any time.
- Manually uploaded certificates can be deleted at any time.