

Alibaba Cloud Certificates Service

User Guide

Issue: 20190522

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Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information 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.
	This warning information 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 restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK .
Courier font	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
{ } or {a b}	It indicates that it is a required value, and only one item can be selected.	swich {stand slave}

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1 Overview

This document provides an overview of operations on Alibaba Cloud SSL Certificates Service and the main modules of its console.

You can manage and perform operations on certificates in the Alibaba Cloud SSL Certificates console as follows:

- Purchase SSL certificates
- View SSL certificate status
- Manage certificates:
 - [Upload certificates](#) to the console for unified management
 - [Apply for certificates](#) and withdraw certificate applications
 - [Deploy issued certificates to Alibaba Cloud products](#)
 - Download issued certificates and [Install them in other types of servers](#)
 - [Delete/Revoke certificates](#)
- Renew the certificates that will expire

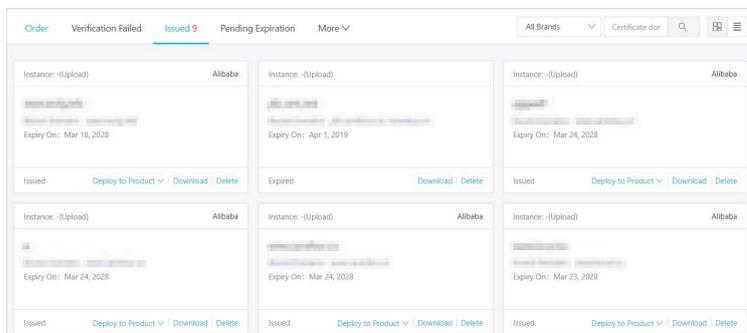
Console layout mode

The Alibaba Cloud SSL Certificates console supports two layout modes. You can click either of the layout icons at the top of the console to select the desired layout mode.



All operations in this document are based on the card view.

- Card view

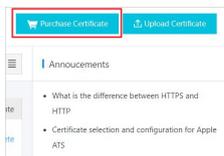


• List view

Certificate	Status	Bound Domains	Validity Period	Expiry On	Deployed Products	Operate
www.secfj.info	Issued	www.secfj.info	10 Year(s)	Mar 18, 2028	--	Details Deploy to Product Download Delete
yib_cert_test	Expired	yib.carrefour.cn*	1 Year(s)	Apr 1, 2019	--	Details Download Delete
www.secfj.info	Issued	www.secfj.info	10 Year(s)	Mar 24, 2028	--	Details Deploy to Product Download Delete
www.secfj.info	Issued	www.secfj.info	10 Year(s)	Mar 24, 2028	--	Details Deploy to Product Download Delete
www.secfj.info	Issued	www.secfj.info	10 Year(s)	Mar 24, 2028	--	Details Deploy to Product Download Delete
www.secfj.info	Issued	www.secfj.info	10 Year(s)	Mar 23, 2028	--	Details Deploy to Product Download Delete
www.secfj.info	Issued	www.secfj.info	10 Year(s)	Mar 18, 2028	--	Details Deploy to Product Download Delete

Purchase SSL certificates

On the SSL Certificates page, click Purchase Certificate in the upper-right corner. For more information, see [Select and purchase certificates](#).



Multiple types of SSL certificates are available. For more information, see [Features](#).

View SSL certificate status

You can view the status of your certificate on the SSL Certificates page.

Certificate	Status	Bound Domains	More
www.secfj.info Instance: (i)upload	Issued	www.secfj.info	<ul style="list-style-type: none"> Paid Verifying Expired 1 Revoked Refund
yib_cert_test Instance: (i)upload	Expired	yib.carrefour.cn*, carrefour.cn	

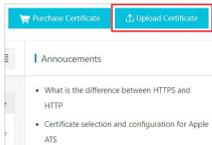
The certificate statuses are as follows:

- **Ordered:** The certificate has been paid for and can be used upon application and review.
 - Paid
 - Pending Verification
 - Revoked
- **Issued:** The certificate has been issued upon payment, application, and review. You can deploy the certificate to the target Alibaba Cloud product or download or delete it.
 - **Expired:** The certificate has expired and you need to purchase and apply for a new one to ensure website security.

Manage certificates

You can manage certificates and deploy them to Alibaba Cloud products on the **SSL Certificates** page. You can view certificate status and validity, upload other certificates to the SSL certificate console, and delete/revoke SSL certificates.

- **Upload certificates to the console for unified management:** You can upload other types of certificates to the console for deployment to Alibaba Cloud products or unified management.



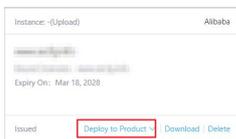
- **Apply for certificates and withdraw certificate applications:** You can apply for a purchased certificate or withdraw certificate applications.



Note:

Applications cannot be withdrawn after the certificate is issued.

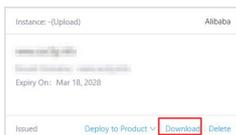
- **Deploy to cloud products:** You can deploy issued certificates to Alibaba Cloud products.



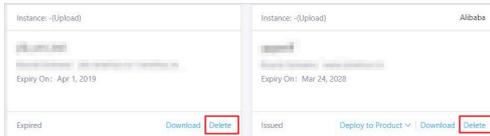
Note:

At present, your certificates can be deployed to CDN and SLB.

- **Download certificates:** You can download issued certificates and install them in your web server.



- **Delete/revoke certificates:** You can delete or revoke certificates that have been issued and are no longer in use.

**Note:**

Deleted certificates cannot be restored, so proceed with caution.

**Note:**

We will refund full payment to you if you revoke a certificate within 30 days after it is issued. However, any revocation after 30 days is non-refundable.

2 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.

3 Apply for and validate certificates

After purchasing a certificate, you need to go through the certificate application, verification, and review process. The certificate takes effect after being validated.

Step 1: Fill in the certificate application information

1. Log on to the [Alibaba Cloud SSL Certificates console](#).
2. Click Apply in the lower-right corner of the certificate you purchased and pending for application.
3. On the Apply for Certificate page, enter the certificate application information on the Enter Application tab page.
 - **Domains to Bind:** Click the question mark of this parameter to view the tips and enter a correct domain name.



Note:

Application information varies with certificate types. For free and standard SSL certificates, you need to enter personal information. For professional SSL certificates, you need to enter personal information and company details.



Note:

Limitations on bound domain names vary with certificate types. Enter the domain name based on the tips.

- **Company Name:** Enter actual information as required.
- **Type of Company:** Select the type of your company.
- **Company Phone:** Enter contact phone number. The certificate authority will call you on this number to confirm the certificate verification.
- **Company/Organization ID:** Enter actual information as required.
- **Location:** Select the location as appropriate.
- **Detailed Address:** Enter the detailed address of your company.
- **Zip Code:** Enter the zip code.
- **Applicant's Phone:** Enter your contact telephone number. The certificate authority will call you on this number to confirm certificate verification.
- **Applicant's Email Address:** Enter your email address. After the certificate is submitted for review, the certificate authority will send a verification email to your email address. Check your email promptly.
- **Applicant ID Number:** Enter your ID number.

4. Select CSR Generation.

- **Automatic:** Your CSR file is automatically generated by the system. Once your certificate application is completed, you can download your certificate and private key directly on the certificate management page.



Note:

We recommend that you select Automatic for CSR Generation. If not, your certificate may fail to be pushed to the specified Alibaba Cloud product.

- **Manual:** Your CSR file is manually generated and you need to copy its content to the CSR File dialog box. For more information, see [How to generate a CSR file](#).



Note:

The manually generated CSR file cannot be pushed to the specified Alibaba Cloud product with one click.



Note:

- Your CSR file format must be correct in order ensure secure certificate application.

- You must store your private key securely when generating a CSR file. One certificate file maps a key file. Your digital certificate becomes useless if the private key is lost. Alibaba Cloud is not responsible for storing your private key. If your private key is lost, you have to re-purchase a digital certificate to replace the original one.

5. Click Next to go to the Verify Information tab page.

Step 2: Verify the application information and submit it for review

After entering all the required certificate application information, you need to upload the verification file.

1. Follow the instructions on the Apply for Certificate page. Verification information varies with certificate types.



Note:

To download the verification template, fill in it, and stamp it, follow the tips on the Verify Information tab page.



Note:

If uploading an image, make sure that the image is in PNG or JPEG format and its size does not exceed 500 KB.



Note:

The certificate has a validity period. You can save the application information for subsequent use.

2. Click Upload File and upload the qualification documents as required.

3. Click Submit in the lower-right corner of the page. The system displays this prompt: This application request has been submitted to the certificate authority. Keep your phone on and check for the email from the certificate authority in your mailbox.

Alibaba Cloud verifies your certificate qualification after receiving the review information you submitted. The time required for this process varies according to the individual requirements of each certificate authority. Thus, we recommend that you periodically check your email and phone for notifications.

In the Unissued Certificates area of the SSL Certificates page, you can see the expected issuance time, type, bound domain, and validity period of the certificate you applied for.



Note:

To modify your application information, you must withdraw the application and modify the information before the certificate is issued. The application cannot be withdrawn after the certificate is issued.

4 Deploy issued certificates to Alibaba Cloud products

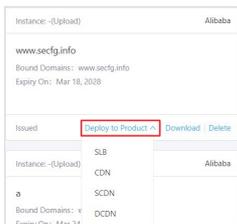
You can deploy the issued certificates to Alibaba Cloud products in one click.

SSL certificates are available for the following Alibaba Cloud products:

- Server Load Balancer (SLB)
- Content Delivery Network (CDN)
- SCDN
- DCDN

Procedure

1. Log on to the [Alibaba Cloud SSL Certificates console](#).
2. Open the Issued Certificates page, click Deploy to Product for the target certificate.



3. Select the target Alibaba Cloud product from the drop-down list.
4. In the Deploy Certificate to CDN/SLB pane on the right, select the region where you want to deploy the certificate.



Multiple regions can be selected.



Note:

To deploy a certificate in your SLB instance, you need to select the region where the SLB instance is located.

5. Click OK. The certificate is deployed to the Alibaba Cloud product you selected.

After deploying the certificate to the Alibaba Cloud product, click the certificate card. On the displayed Certificate Details page, you can view the details about the certificate and the information about the Alibaba Cloud product.

