

Alibaba Cloud

SSL Certificates

Deploy the certificate to Cloud
products

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Document conventions






Style	Description	Example
 Danger	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.
 Warning	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.
 Notice	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.
 Note	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 .
<code>Courier font</code>	Courier font is used for commands	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

Table of Contents

1. Deploy certificates on Alibaba Cloud services	05
2. FAQ	07
2.1. FAQ about deploying certificates to cloud products	07
2.2. How can I deploy my certificate to other Alibaba Cloud p... ..	08

1. Deploy certificates on Alibaba Cloud services

After a certificate is issued, you can deploy it on an Alibaba Cloud service with a few clicks.

Context

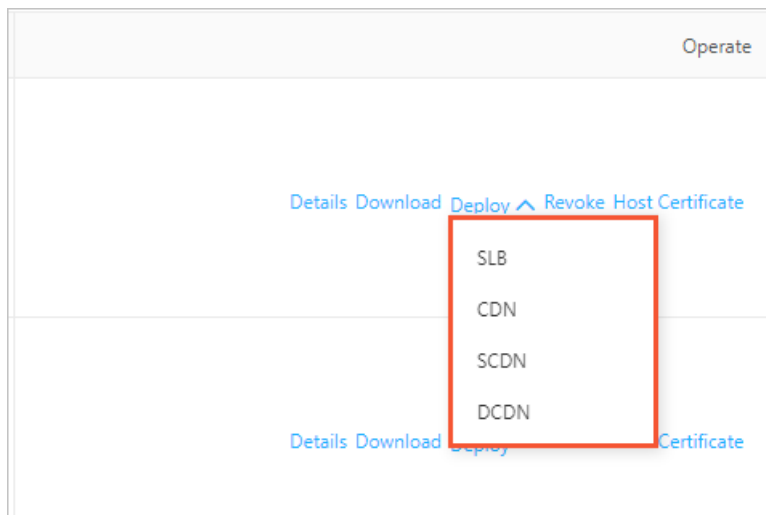
You can deploy certificates on the following Alibaba Cloud services. More services will be supported.

- Server Load Balancer (SLB)
- Alibaba Cloud CDN (CDN)
- Secure CDN (SCDN)
- Dynamic Route for CDN (DCDN)

Note You can deploy certificates on Alibaba Cloud services only after the certificates are issued.

Procedure

1. Log on to the [SSL Certificates Service console](#).
2. On the **SSL Certificates** page, find the certificate that you want to deploy in the **Issued** certificate list, and click **Deploy**.
3. In the Deploy drop-down list, select the Alibaba Cloud service on which you want to deploy the certificate.



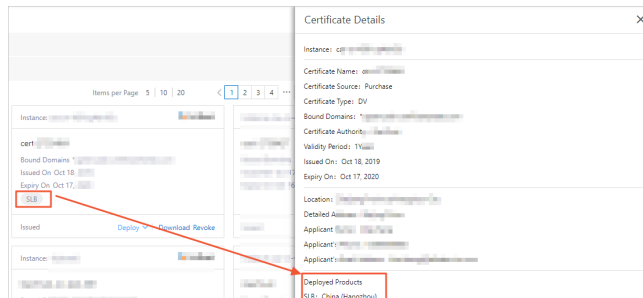
4. In the **Deploy Certificate** panel, select regions or domain names to deploy the certificate.

- Note**
- If you want to deploy the certificate on an SLB instance, select the region of the SLB instance. You can select multiple regions.
 - If you want to deploy the certificate on a CDN, SCDN, or DCDN instance, select the domain names that are added to the instances. You can select multiple domain names.

5. Click **Deploy**.

Result

After you deploy the certificate on the Alibaba Cloud service, you can click **Details** of the certificate. In the **Certificate Details** panel, you can view the details about the certificate and the Alibaba Cloud service on which the certificate is deployed.



Related information


- [Configure a multi-domain-name HTTPS website on an SLB instance](#)

2.FAQ

2.1. FAQ about deploying certificates to cloud products

Digital certificates purchased from Alibaba Cloud Certificates Service can be deployed to Alibaba Cloud products like CDN, SCDN, DCDN and Server Load Balancer with a single click.

Do not deploy your certificate to any products or services that you have not purchased. Because these products or services cannot recognize the domain name associated with your certificate. The deploying process may fail.

 **Note** But, Server Load Balance is an exception to this restriction. The deploying process can be successful even if the service is not enabled.

When a certificate has been successfully deployed to a cloud product, does that mean the HTTPS service works properly for the cloud product?


No. You still need to configure some parameters in the cloud product console. Additionally, make sure that your origin server is appropriately prepared for HTTPS support.

For the required parameter settings for each cloud product, see [Certificate overview](#) and [Configure an SSL certificate](#).

Why I do not find my domains when deploying the certificates to CDN?

When deploying a digital certificate to CDN, the certificate service first checks if the domains available in CDN match those in the certificate. One reason for the failure is that you have not configured or enabled the domains associated with the certificate in the CDN console.

Go to the CDN console to add the domains associated with your certificate, and then enable them. See [Configure an SSL certificate](#).

 **Note** The certificate service can only find appropriately working domains when querying the domain list in the CDN console.

When a digital certificate is deployed to Server Load Balance, to which regions is it deployed?

The certificate service deploys a copy of the certificate to all regions. Canceling the deployment removes the deployed copies from the respective regions.

After the certificate is deployed to Server Load Balance in various regions, select your Server Load Balance instance from the **Server Load Balancer console > Instance Management** and then click **Manage**. On the Listener page, click **Add Listener**, and then configure the listener details with the certificate selected.

Note Make sure that the selected certificate and the added domains are matched.

After certificate information has been modified in SSL console, do I need to deploy the certificate information again to the cloud product?

Yes. When a SSL certificate has been modified, please [Deploy certificates on Alibaba Cloud services](#), so the modified certificate information can be synchronized. If not, information in the cloud product and the modified certificate are unmatched.

2.2. How can I deploy my certificate to other Alibaba Cloud products?

Deploy to other Alibaba Cloud products

You can use the **Deploy** function to deploy an issued certificate to other Alibaba Cloud products with one-click deployment.

Currently, supported Alibaba Cloud products include CDN, SCDN, DCDN and Server Load Balancer.

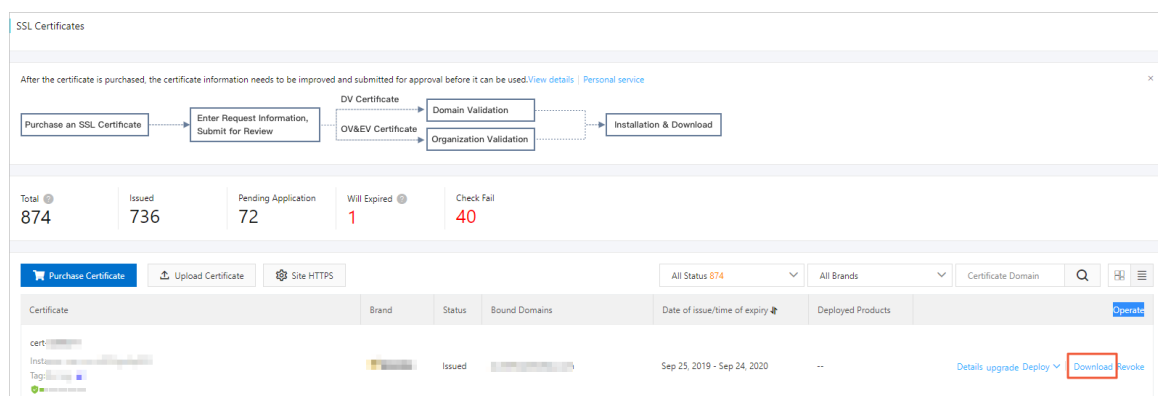
If any problems occur when attempting to deploy a certificate, see [FAQs for deploying certificates to cloud products](#).

Note Before deploying a certificate to other Alibaba Cloud products, verify that those products have been purchased for the intended account and that corresponding cloud product services have been activated for the domains added to the certificate. Otherwise, the deploy function may not work.

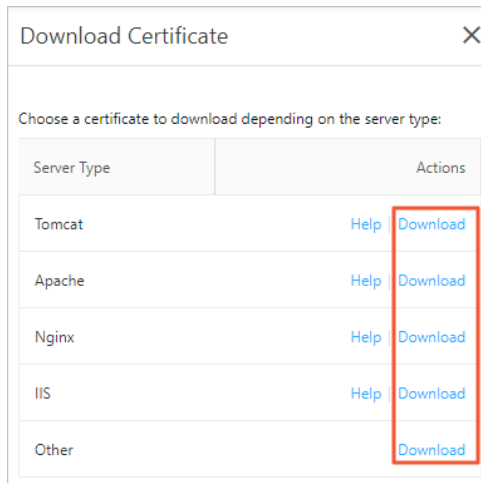
Download and configure the certificate to other products

Follow these steps to first download the certificate locally, and then to deploy your digital certificate to other products:

1. Log on to the [Alibaba Cloud Security Certificate Services Management console](#).
2. In the **Issued** page, click **Download** of the **Operate**.



3. In the **Download Certificate** page, click **Download** of target certificate to download the certificate in PEM format.



4. Once the certificate is successfully downloaded, you must upload and configure the certificate in the console of the corresponding cloud product.