
Nginx SSL Certificate Deployment Guide



StartCom CA Limited

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1. The environment for installing the SSL certificate

1.1 Brief introduction of SSL certificate installation environment

Nginx

Openssl 1.0.1+

SSL certificate (Note: this guide uses the class 3 SSL certificate which the domain name is startssl.com to operate, other version of the certificate are also common.)

1.2 Network environment requirements

Please ensure the site is a legitimate e domain address, which can normal access by typing it's domain name http://XXX.

2. Installation of SSL certificate

2.1 Get SSL certificate

You will get a zip file after you apply the certificate from startcom successfully. You should to extract the file and you will get 4 files: Apache Server, IIS Server, Nginx Server, Other Server, These are different formats for different servers. We will need to use the certificate from Nginx Server.zip.

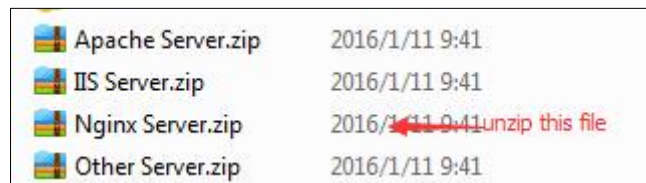


Figure 1

2.2 Extract SSL certificate

Open the file for 'Nginx Server', you can see one files shown in Figure 2.

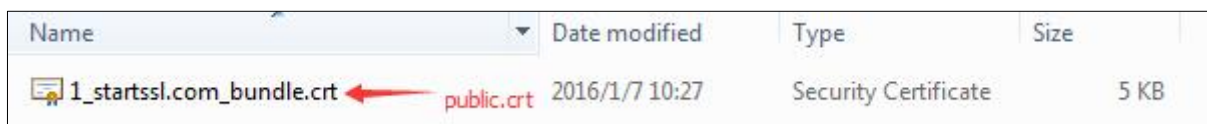


Figure 2

2.3 Install SSL certificate

Configure your Nginx server to use the certificate. The private key is created when you generate CSR.

```
ssl on;,  
ssl_certificate /etc/nginx/conf/1_domain_bundle.crt; ← public.crt  
ssl_certificate_key /etc/nginx/conf/ssl.key; ← private key  
ssl_protocols TLSv1 TLSv1.1 TLSv1.2;,  
ssl_ciphers ALL:!DH:!EXPORT:!RC4:+HIGH:+MEDIUM:!LOW:!aNULL:!eNULL;,
```

Tell nginx to reload its configuration:

```
killall -HUP nginx
```

2.4 Test the SSL certificate.

Input the address in browser address bar: <https://domain.com> (the domain of the applied SSL certificate) Test your SSL certificate is installed successfully or not. If successful, the browser address bar will display a safety lock sign.

You could test your website's certificate and configuration by <https://www.ssllabs.com/ssltest/>.

3.Backup of SSL certificate

Please save the file you receive, key file and password.

4.Restore of SSL certificate

Repeat 2.3 operation.