

How to Install a Root Chain in Apache® + MOD SSL/Open SSL

Before you can use your digital certificate, you must install and configure the Root Chain on your server. This consists of two (2) steps:

1. Download the required Root Certificate Chain file.
2. Configure Apache to utilize the Root Certificate Chain.

Begin by **printing these instructions**. Then select the link below to download the required IdenTrust Commercial Root CA 1 Chain. Follow the instructions to navigate through the process of configuring Apache to utilize the Root Certificate Chain.

Download the Required IdenTrust Commercial Root CA 1 Chain using this link:

[IdenTrust Commercial Root CA 1 Chain](#)

1. When you select the link above, the “**Root Certificate Download**” window displays. Complete the following actions:
 - Copy and paste the entire contents of the certificate chain, including all --- BEGIN CERTIFICATE --- and --- END CERTIFICATE --- lines into a single text file on your computer.
 - Save the file as **IdenTrustCRCA1.crt**
Your download is complete!
2. Configure Apache to utilize the Root Certificate Chain by completing the following actions:
 - **Shut Down** your Apache server with the **apachectl stop** command. For example: `/usr/local/apache/apache_1.3.9/bin/apachectl stop`
 - Locate the **httpd.conf** file and open it in a text editor.
 - Locate the **SSLCertificateChainFile** directive in the **httpd.conf** file and remove the leading # from the line.
 - Modify the path at the end of the line to reference the location where you saved the **IdenTrustCRCA1.crt** file.
For example: `SSLCertificateChainFile/usr/local/apache/conf/ssl.crt/IdenTrustCRCA1.crt`
 - Save the changes and exit the editor.
 - **Restart** your Apache server with the **apachectl startssl** command line. For example: `/usr/local/apache/apache_1.3.9/bin/apachectl startssl`

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