

Chime Apache Tomcat SSL Configuration

Steps are as follows:

1. Create Certificate Signing Request (CSR)
2. Obtain certificate from Certificate Authority (Thawte, VeriSign etc...)
3. Configure Tomcat to use SSL certificate

Create Certificate Signing Request (CSR)

In order to obtain a Certificate from the **Certificate Authority** of your choice you have to create a so called **Certificate Signing Request (CSR)**. That **CSR** will be used by the Certificate Authority to create a Certificate that will identify your website as "secure". To create a CSR follow these steps:

1. Navigate to the Java SDK 7 bin folder
2. Issue the command: `keytool -certreq -keyalg RSA -alias tomcat -file certreq.csr -keystore <your_keystore_filename>`

Command will generate `certreq.csr` that you can submit to the Certificate Authority to get a Certificate.

Note: In some cases you will have to enter the domain of your website (i.e. www.acme.com) in the field "first- and last name" in order to create a working Certificate.

Obtain certificate from Certificate Authority

Using **Certificate Signing Request (CSR)** Certificate Authority will issue certificate.

Configure Tomcat to use SSL certificate

Steps are as follows:

1. Open `<tomcat-installation-directory>/conf/server.xml` in a text editor.
2. Search for "**Define a SSL HTTP/1.1 Connector on port 8443**". Connector configuration will be commented there. Uncomment it.

```
<!-- Define a SSL HTTP/1.1 Connector on port 8443
      This connector uses the JSSE configuration, when using APR, the
      connector should be using the OpenSSL style configuration
      described in the APR documentation -->
<!--
<Connector port="8443" protocol="HTTP/1.1" SSLEnabled="true"
           maxThreads="150" scheme="https" secure="true"
           clientAuth="false" sslProtocol="TLS" />
-->
```

3. Provide `keystoreFile`, `keystorePass` and `keyPass` values as given in **Step #1**

```
<Connector port="8443" protocol="HTTP/1.1" SSLEnabled="true"
           maxThreads="150" scheme="https" secure="true"
           clientAuth="false" sslProtocol="TLS"
           keystoreFile="conf/srccodes.jks"
           keystoreType="JKS"
           keystorePass="pass4keystore"
           keyPass="pass4key" />
```