

Set up SSL on Tomcat

1) Generate the keystore file that will store the certificates trusted by the Tomcat server. Depending on your needs this step may require invoking different commands. A general HowTo regarding the keytool tool usage can be found [here](#).

In my case the keystore file was already delivered to me by my CA when requesting the certificate. However having both the CA and the CA-signed certificate you can easily create the keystore file by running the following commands:

```
keytool -import -trustcacerts -alias root
```

```
-file [CA cert path] -keystore /etc/tomcat7/keystore.jks
```

```
keytool -import -trustcacerts -alias tomcat
```

```
-file [CA-signed cert path] -keystore /etc/tomcat7/keystore.jks
```

Or to generate the self-signed certificate:

```
keytool -genkey -keyalg RSA -alias tomcat
```

```
-keystore /etc/tomcat7/keystore.jks -storepass keystore
```

```
-validity 360 -keysize 2048
```

What is your first and last name?

```
[Unknown]: smb215 smb215
```

What is the name of your organizational unit?

```
[Unknown]: smb215
```

What is the name of your organization?

```
[Unknown]: smb215
```

What is the name of your City or Locality?

```
[Unknown]: smb215
```

What is the name of your State or Province?

```
[Unknown]: smb215
```

What is the two-letter country code for this unit?

[Unknown]: lb

Is CN=smb215 smb215, OU=smb215, O=smb215, L=sbm215, ST=smb215, C=lb correct?

[no]: yes

Enter key password for <tomcat>

(RETURN if same as keystore password): keystore

Re-enter new password: keystore

2) Update /etc/tomcat7/server.xml configuration file and change the following part of its configuration:

<!--

<Connector port="8443" protocol="HTTP/1.1" SSLEnabled="true"

maxThreads="150" scheme="https" secure="true"

clientAuth="false" sslProtocol="TLS" />

-->

to what's shown below:

<Connector protocol="org.apache.coyote.http11.Http11NioProtocol"

port="8443" SSLEnabled="true" maxThreads="200"

scheme="https" secure="true"

keystoreFile="/etc/tomcat7/keystore.jks"

keystorePass="keystore" clientAuth="false"

sslProtocol="TLS" />

3) As a root user restart Tomcat by running the following command:

sudo service tomcat7 restart

You're done! The Tomcat is now secured with SSL / TLS on port 8443.