

## Symptom

How to enable SSL communication for Tomcat application server?

## Resolution

1. Execute the following from a command line to create a .keystore file:

In BI 4.0 the path is:-

```
<Installation Directory>:\Program Files (x86)\SAP Business Objects\SAP Business Objects Enterprise XI 4.0\win64_x64\jdk\bin\keytool -genkey -alias tomcat -keyalg RSA
```

In BI 4.1 the path is:-

```
<Installation Directory>:\Program Files (x86)\SAP Business Objects\SAP Business Objects Enterprise XI 4.0\win64_x64\sapjvm\bin\keytool -genkey -alias tomcat -keyalg RSA
```

2. Upon executing the above command, you will be prompted for a keystore password, your full name, organizational unit, organization, city, state and country. At the end, you will be prompted for the keystore password again. This has to be the same password as the password you entered previously. Newer versions of the keytool will prompt you to hit ENTER to keep it the same.

3. Once finished, a self signed .keystore file will have been created in your user's home directory:

For example: C:\Users\Administrator

4. Move this .keystore file from this directory to one in the Business Objects folder structure or any other folder

For example: C:\SSL

5. Browse to Tomcat's server.xml file and create a backup file:

For example: C:\Program Files (x86)\SAP BusinessObjects\Tomcat6\conf

6. Open and edit the server.xml file in wordpad.

7. Uncomment the section below and add the two commands after **keystorePass** & **keystoreFile**. This section needs to reference the new location of the .keyfile and the password you specified when creating it.

```
<!-- Define a SSL HTTP/1.1 Connector on port 8443
```

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

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

```
clientAuth="false" sslProtocol="TLS" keystorePass="password" keystoreFile="C:\SSL\keystore"/>
```

8. Restart Tomcat and it should now be accessible using

<https://Servername:8443/BOE/CMC>

### PLEASE NOTE:

**Configuring Tomcat SSL is outside the scope of SAP BusinessObjects support.**

## Keywords

Tomcat,SSL,configure,BI 4.0

## Header Data

<b>Released On</b>	23.09.2015 20:38:21
<b>Release Status</b>	Released to Customer
<b>Component</b>	BI-BIP-DEP SBOP Web Application Deployment, Wdeploy
<b>Priority</b>	Normal
<b>Category</b>	How To
<b>Database</b>	Microsoft SQL Server

Database	MSSQLSRV 2005
Operating System	WIN 2008 R2

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## Product

Product	Product Version
SAP BusinessObjects Business Intelligence platform	SAP BusinessObjects Business Intelligence platform 4.0
	SAP BusinessObjects Business Intelligence platform 4.0, feature

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## References

### This document refers to:

SAP Knowledge Base Articles

1185443 [How to configure Tomcat to use Secure Sockets Layer \(SSL\)](#)