Installing Tomcat

1. Download Tomcat from the DNSR. At the time of this writing, the lastest Tomcat 6 can be found at: 🌐 http://devcas024/dnsr/node/594
2. Extract it to your C drive so you end up with something like:

```
C:\
 |- apache-tomcat-6.0.36
    |- bin
    |- conf
    |- lib
    |
    | ...
```

Configuring SSL

1. Open a command prompt and execute the following command. Make sure that your tomcat install directory matches.

```
keytool -genkey -alias tomcat -keyalg RSA -keystore C:\apache-tomcat-
6.0.36\conf\keystore.jks
```

   a. Set the keystore password to `changeit`
   b. For "What is your first and last name?" enter `localhost`
   c. You can use the defaults for the remaining prompts.
2. Copy `truststore.jks` from `\\devslo020\data\devsupport \Certificates\Servers` to your Tomcat `conf` folder.
3. Open your `server.xml` file in a text editor (ex: 🌐 notepad++) and make the following changes:

For ConvayenceBuilder

1. Add the following Resources inside the GlobalNamingResources (i.e. after the `<Resource name="UserDatabase"`):

   a.

```
<!-- JNDI Database source for ConveyanceEstimator -->

<Resource name="jdbc/cePu" auth="Container"
          type="javax.sql.DataSource"
          driverClassName="oracle.jdbc.driver.OracleDriver"
          url="jdbc:oracle:thin:@devslo149:1521:ICDES"
          username="<YOUR USERNAME>" password="<YOUR PASSWORD>"
          initialSize="1"
          maxActive="30"
          maxIdle="30"
```

```
                minIdle="0"
                maxWait="30000"
                removeAbandoned="true"
                removeAbandonedTimeout="150"
                testOnBorrow="true"
                validationQuery="select 1 from dual"/>
```

b.

```
<Resource name="jdbc/CB" auth="Container"
            type="javax.sql.DataSource"
            driverClassName="oracle.jdbc.OracleDriver"
            url="jdbc:oracle:thin:@devslo149:1521:KDDES"
            username="<YOUR USERNAME>"
            password="<YOUR PASSWORD>"
            initialSize="10"
            maxActive="30"
            maxIdle="10"
            maxWait="-1"
            removeAbandoned="true"
            removeAbandonedTimeout="100"/>
```

* be sure to enter your username and password

1. Comment out all instances of Connector, except for the one on port 8443 (look for `<Connector port="8443"`).
2. Edit the connector to look like:

```
<Connector port="8443" protocol="HTTP/1.1" SSLEnabled="true"
            maxThreads="150" scheme="https" secure="true"
            enableLookups="false" disableUploadTimeout="true"
            clientAuth="false" sslProtocol="TLS"
            keystoreFile="conf\keystore.jks"
            keystorePassword="changeit"
            truststoreFile="conf\truststore.jks"
            truststorePass="changeit"/>
```

For TMM

1. Uncomment the secure connector (look for `<Connector port="8443"`) and change the port to 443.
2. Add these attributes to the connector:

```
keystoreFile="conf\keystore.jks"
keystorePassword="changeit"
```

Seting Up Tomcat within Eclipse

1. Go to Window -> Preferences and select the Tomcat tab.
2. Select **Version 6.x** under Tomcat version.
3. Set **Tomcat home** to the location where you installed Tomcat. e.g. `C:\apache-tomcat-6.0.36`

4. For *Context declaration* mode select **Context files**.

5. Set the **Contexts directory** to the `conf\Catalina\localhost` directory inside your Tomcat install directory. e.g. `C:\apache-tomcat-6.0.36\conf\Catalina\localhost`

6. Expand the Tomcat node in the left panel and switch to the JVM Settings tab.

7. Make sure **JRE** is set to the 1.6 JDK you have installed.

8. Add the following parameters to the **Append to JVM Parameters** list:

```
-Djavax.net.ssl.trustStore=conf\truststore.jks
-Djavax.net.ssl.trustStorePassword=changeit
-Xmx1024m
-XX:MaxPermSize=384m
```

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