

## APACHE AXIS: DEVELOP A GRID SERVICE

### AIM:

To setup a grid portal for creating a web service and testing the sample axis2 grid service.

### PROCEDURE:

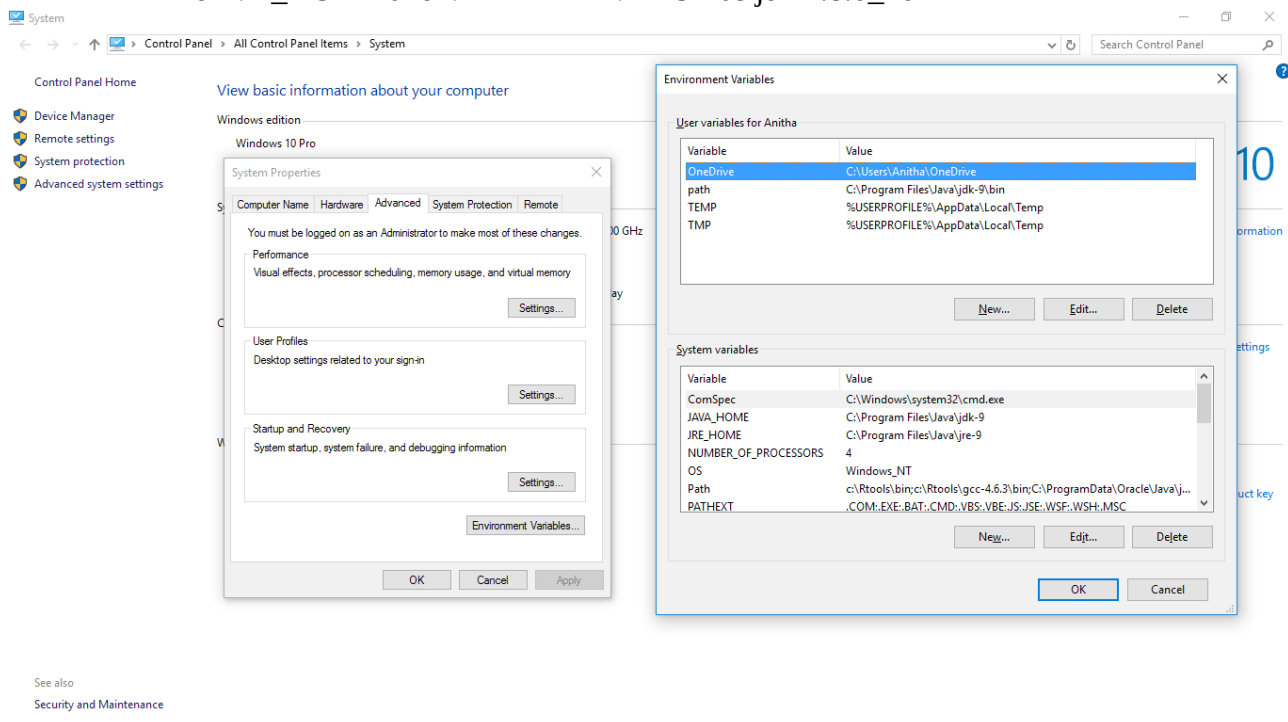
#### STEP 1:

- Download the required files Apache TomCat-8.5.16-windows-x64  
<https://tomcat.apache.org/downloads-80.cgi>
- axis2-1.7.5-war from <https://axis.apache.org> --> axis2.java
- jstl-1.2.jar from [www.java2s.com](http://www.java2s.com) > Jar File Download > jstl

STEP 2: Unzip all the file to desktop folders using winrar

STEP 3: Add PATH and JAVA\_HOME environmental variables.

- Go to Advance system settings -> environment variable -> set variable name as JAVA\_HOME and VARIABLE VALUE as jdk 1.8.0\_10



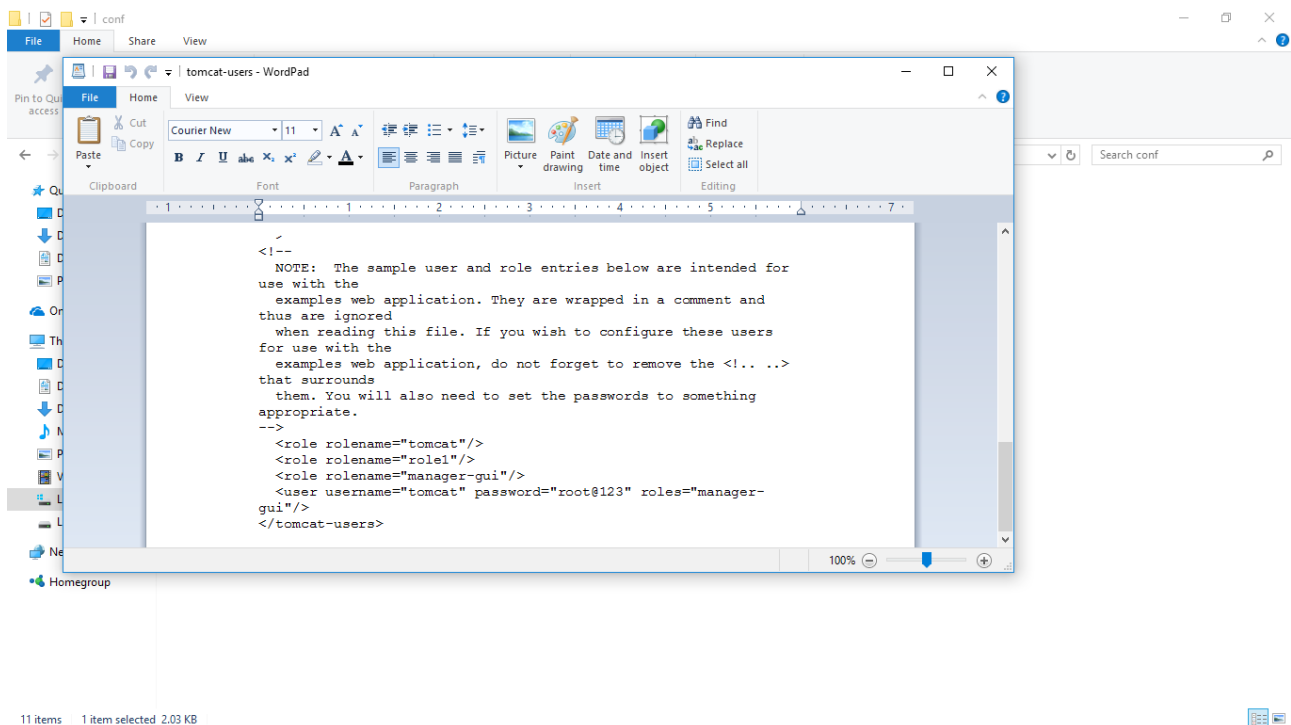
STEP 4: Copy the TOMCAT folder into [C:\drivernamed](#) apache-tomcat-8.5.16

STEP 5: Copy axis2.war into [c:\apache-tomcat-8.5.16\webapps\directory](#).

- Copy axis2.war and go to [c:\apache-tomcat-8.5.16\webapps](#) and paste it.

STEP 6: Configure Tomcat for web service deployment. So Edit

- [c:\apache-tomcat-8.5.16\conf\server.xml](#) and edit the server port from 8080 to 9090 and then save and exit.



- <c:\apache-tomcat-8.5.16\tomcat-users.xml> and delete the <!--> and last two users tags then edit rolename as manager-GUI and roles as <tomcat,manager-gui>

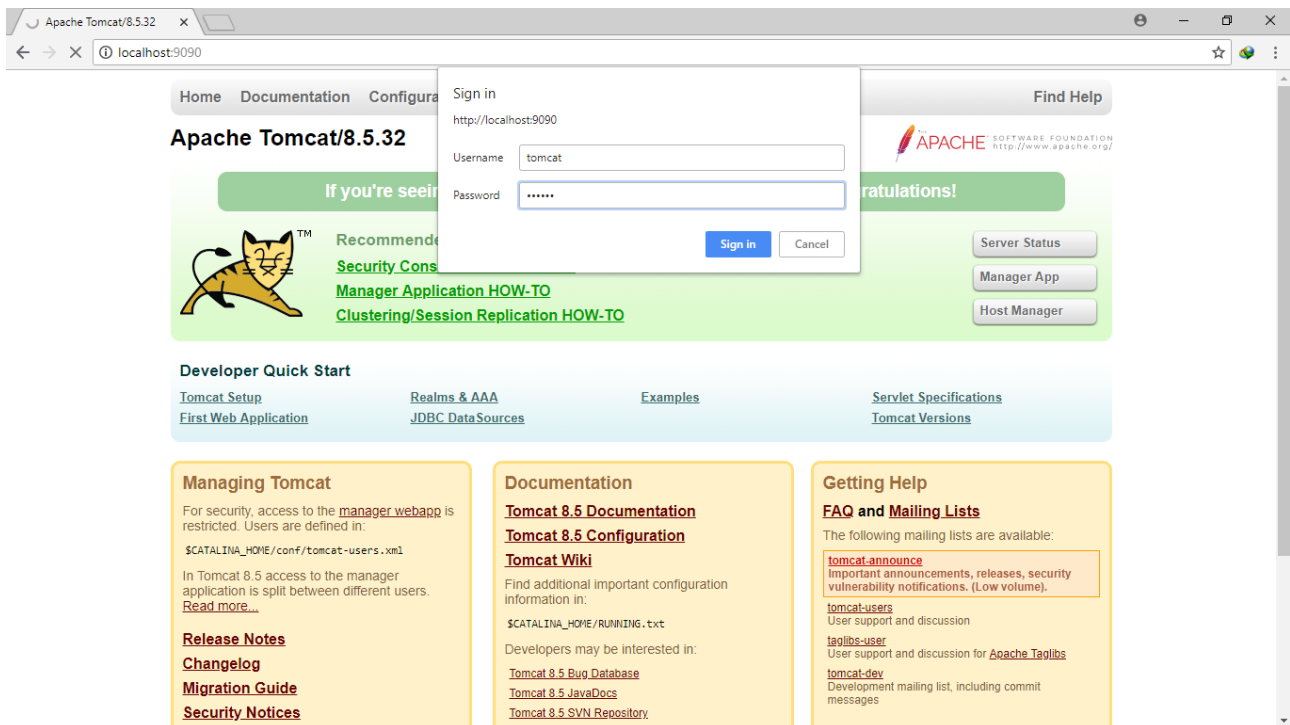
STEP 7: Start the tomcat server by clicking <c:\apache-tomcat-8.5.1\bin\startup.bat>

STEP 8: Copy the jstl .jar file to <c:\apache-tomcat-8.5.16\webapps\axis2\WEB-INF\lib> directory

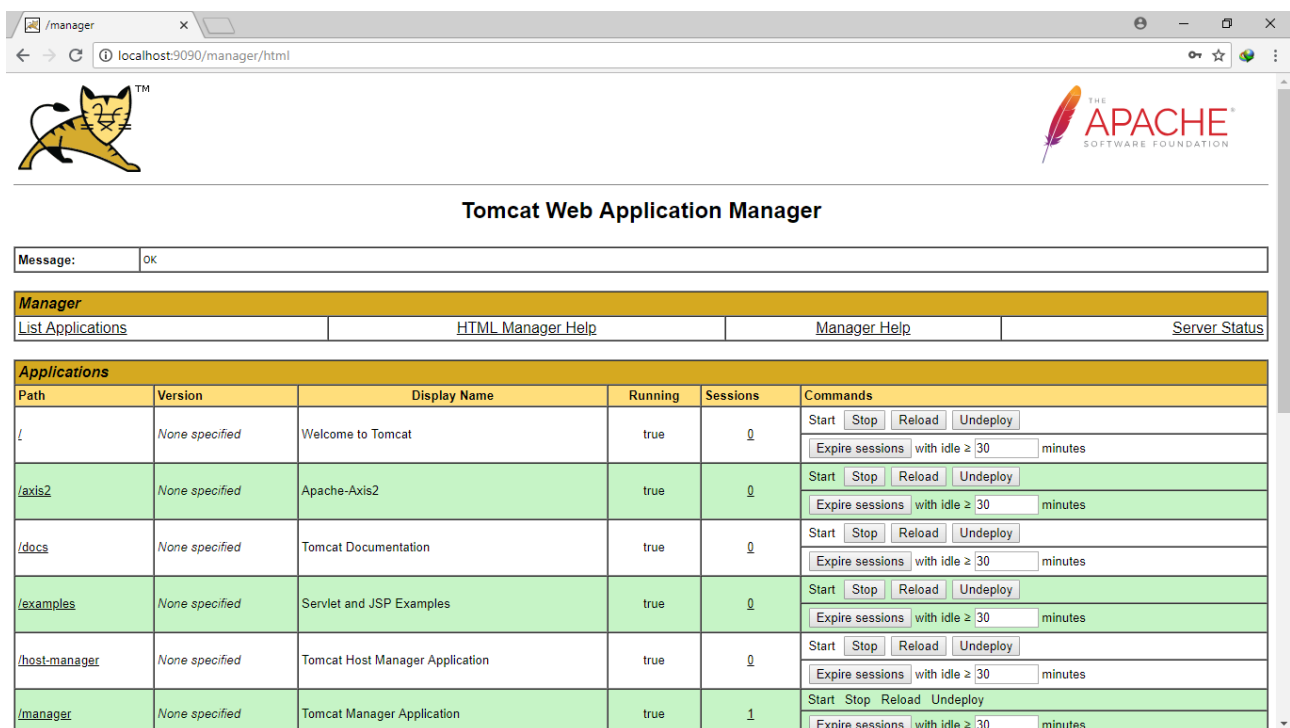
- RESTART THE SERVER

STEP 9: Open the browser and goto <http://localhost:9090/>

- And you are seeing apache-tomcat-8.5.16 successfully installed and then click the manager app from apache-tomcat-8.5.16
- Then showing the authentication required window type the tomcat user name and password.  
Tomcat username: tomcat  
password : root@123
- Then click ok show the tomcat web application manager .then click axis2 -> administration  
axis2 username -> admin  
password -> axis2



STEP 10: Restart the server if the internal server error occurred then copy the jstl.jar file  
 STEP 11: Open web browser and go to <http://localhost:9090/axis2/>



Now we successfully installed the tomcat and axis2 webserver container in windows environment.

Result:

Thus the setup to grid portal for creating web service and testing the axis2 portal was created and output was verified successfully.