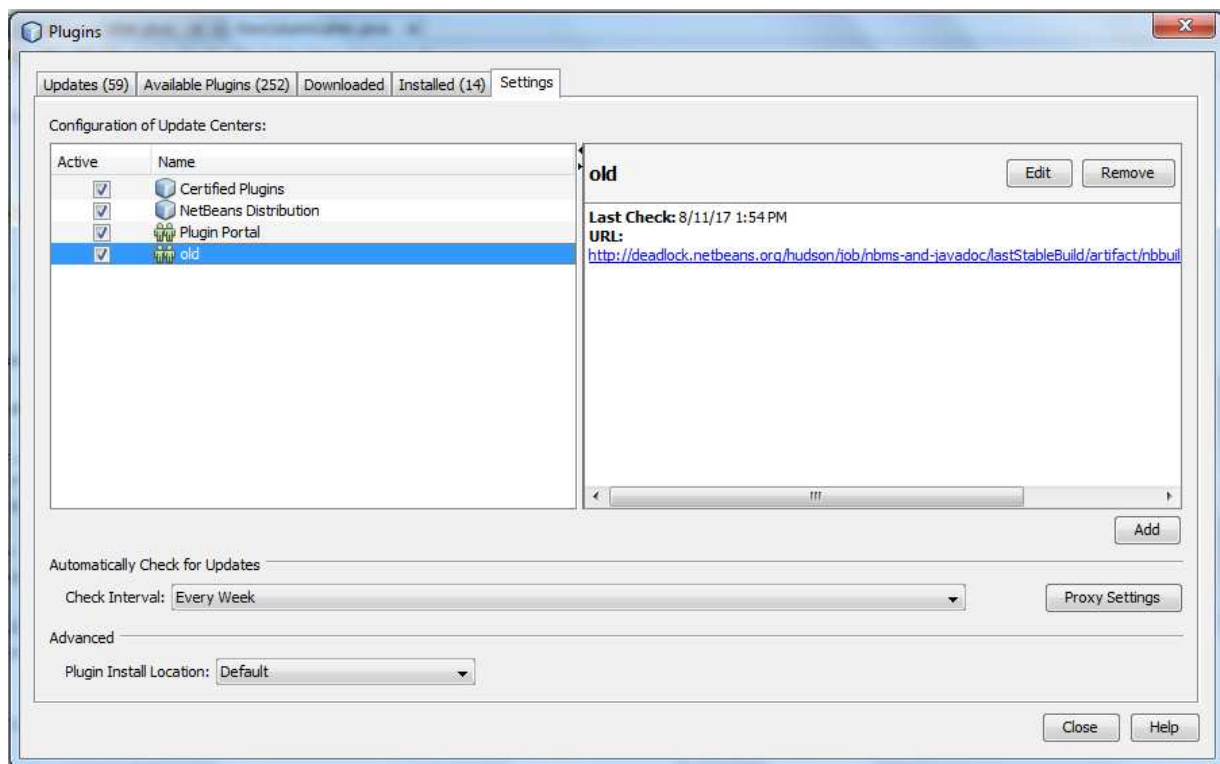


Web service using apache axis 2

Documentation prepared by Skandharuban B (IV Year CSE B)

1. Install axis2

- a. Open Netbeans IDE, go to tools -> plugins -> settings.
- b. Click add to add a new plugin, give
“<http://deadlock.netbeans.org/hudson/job/nbms-and-javadoc/lastStableBuild/artifact/nbbuild/nbms/updates.xml.gz>” as a link and click ok.
- c. Wait for the plugin to download and install.
- d. To check, go to tools -> plugins -> available plugins, and search for axis 2.



2. Setup axis2

- a. Update axis plugin from tools -> plugins -> updates.
- b. Download war file/ Binary distribution from axis2 downloads page.
- c. Place the war file/ Binary distribution in **apache tomcat folder -> webapps**

C:\Program Files\Apache Software Foundation\Apache Tomcat 8.0.9\webapps

- d. Create a folder **websvc**, in

C:\Users\<username>\AppData\Roaming\NetBeans\8.2\config\Preferences\org\netbeans\modules

- e. In websvc folder, create a file called axis.properties. Enter the following line and save it

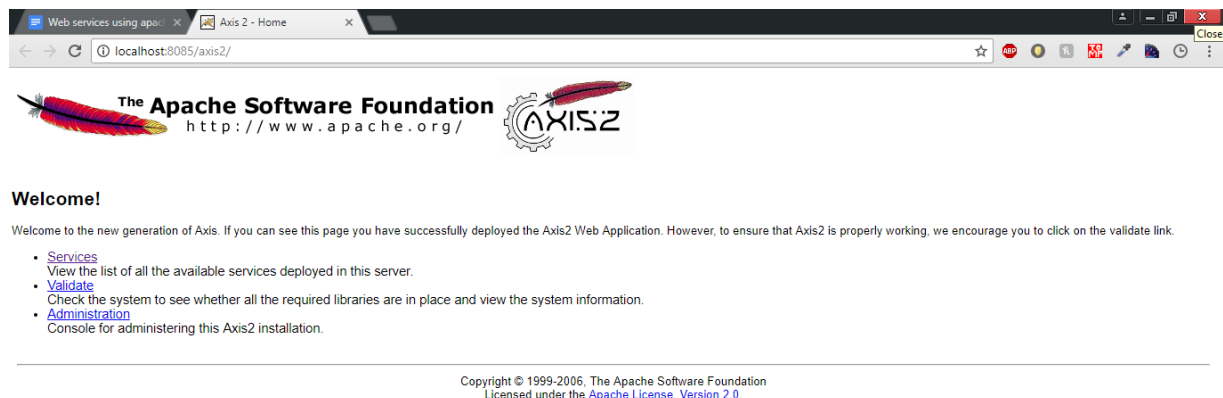
“AXIS_DEPLOY=C:\Program Files\Apache Software Foundation\Tomcat 9.0\webapps\axis2.war

AXIS_URL=http://localhost:8085/axis2

TOMCAT_MANAGER_USER=user

TOMCAT_MANAGER_PASSWORD=tomcat”

- f. Start / restart the server.

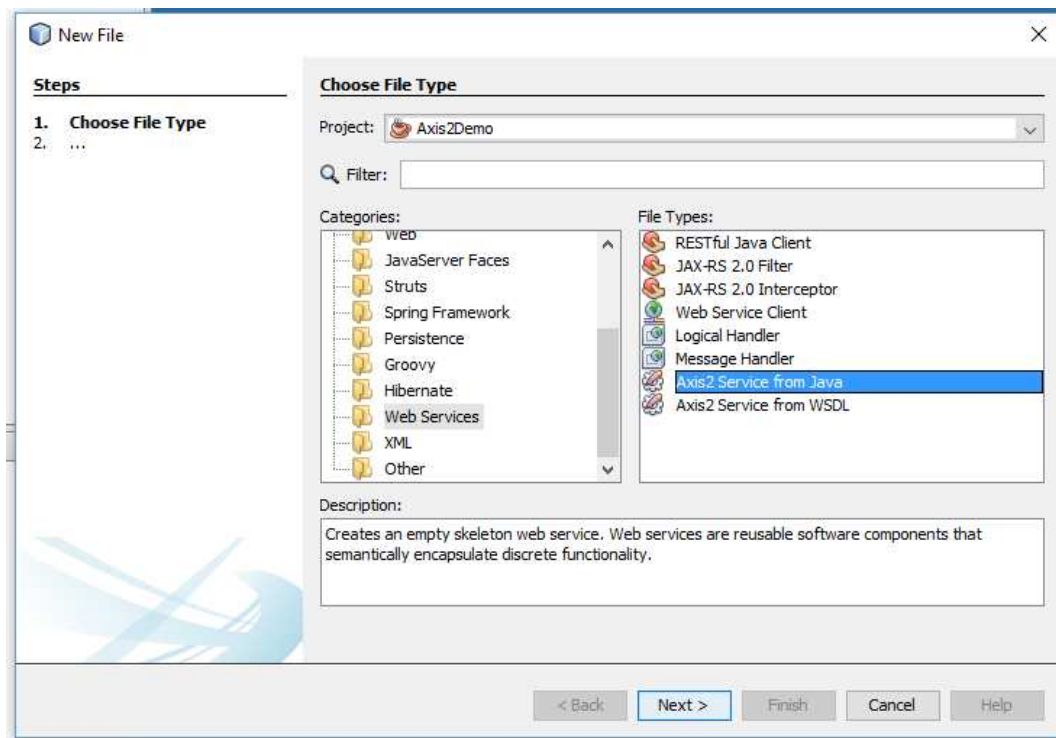


- g. Using browser: Go to **http:localhost:<port number>/axis2/**

- h. The above output shows that apache axis2 service was installed and configured.

3. Create axis2 services:

- a. Create a new java application project in netbeans.
b. In java application, create a new web services: **webservices -> Axis2services** from java.



- c. Hello world demo service will be created. Edit the java file as needed.
- d. Deploy the web services in server to create .aar file.
- e. .aar file will be created in the folder
c:/users/<username>/documents/netbeansprojects/<projectfolder>
- f. Copy the .aar file and move it to the folder

C:\Program Files\Apache Software Foundation\Tomcat 9.0\webapps\axis2\WEB-INF\services

- g. Restart the server and open <http://localhost:<port number>/axis2>
- h. Click the service link , The deployed services will be displayed.

4. Create webclient :

- A. Create a webclient for the web service: New -> webservice client.
- B. Drag and drop the web service operation node in webclient java file.
- C. Provide necessary parameters and save the file.
- D. Right click the web client and select debug.
- E. Client will be execute the services in web browser. Make sure the server is running while testing the client.