

SET UP AXIS2 ENVIRONMENT:

1. Install Netbeans 8.x
2. Tools->Plugins->settings : Add plugin with name 'New Provider' and URL <http://deadlock.netbeans.org/hudson/job/nbms-andjavadoc/lastStableBuild/artifact/nbbuild/nbms/updates.xml.gz>
3. Tools->Plugins->Available plugins: Check Axis2Support and Install
4. Download latest version Binary and WAR Distribution from Apache Axis2 Release website (Might be available in the system already)
5. Replace JAR files in NetBeans/version folder/modules/ext/axis2 with the JAR files in Binary distribution folder/lib
6. Tools->Libraries->Axis2: Remove existing JAR files and Add the JAR files from NetBeans/version folder/modules/ext/axis2.
7. Update the Library Name to reflect the new version number. Click OK.
8. Unpack the WAR distribution containing axis2.war file and copy it to GLASSFISH_HOME/domains/DOMAIN_NAME/autodeploy. To find GLASSFISH_HOME and the name of your domain, start the IDE and open the Services tab. Expand the Servers node. Right-click the GlassFish node and select Properties from the context menu
9. Tools->Options->axis2 : Browse to the axis2.war file and check the port on which glassfish is running.

CREATE A WEB SERVICE:

1. File -> New Project -> Java class library
2. Right click on the created project and select New->Other->Web services-> Axis2 service from Java-> create an empty service -> Name the service and click OK.
3. Start the Glassfish server. Check by browsing localhost:<port>
4. Add operations to this web service
5. Clean and build the project
6. Right click on the web service node and Deploy to server. If this doesn't work manually deploy it as
 - Go to localhost:<port>/axis2
 - Select administration and log in using username 'admin' and password 'axis2'
 - Select 'Upload service' from the left panel and browse to the location where your project is saved folder/build/axis2/WEB_INF/services/.aar file and click Upload.
 - Select 'Available services' from the left panel and view your service. Copy the WSDL URL
7. Test the web service operations

CREATE A WEB SERVICE CLIENT

- 1) File -> New Project -> Java -> Java Application
- 2) Right click on project node: New->Web service client -> select and paste the WSDL URL copied in step 6
- 3) Drag and drop the Web Service reference and call the function
- 4) Build and run the project