

### Dive Webservice Implementation Guidelines

1. Dive Web service is implemented using following.
  - Apache Axis2 1.6.1 (Download axis2-1.6.1.zip and extract it. Copy the axis2.war and deployed in tomcat)
  - Tomcat (Latest)
  - Java
  - apache-ant-1.8.2 (For Building Webservice project)
2. Checkout DiveWebService project from StudentActivityVisualization/extras.
3. Copy the diveServer.properties file to 'conf' folder of tomcat. Edit following entries as your own

fileName=**/home/sathyaraj/axisresponse/logtransform.xml**  
folderName=**/home/sathyaraj/axisresponse/**

4. Set ANT\_HOME and path to the apache-ant-1.8.2.
5. Change to the DiveWebService Project
6. give 'ant jar' command
7. It will be giving a message BUILD SUCCESSFUL
8. Then goto /DiveWebservice/build/axis2/WEB-INF/services
9. copy DiveWebservice.aar file to apache-tomcat-7.0.22/webapps/axis2/WEB-INF/services folder [Note: axis2.war should be deployed in apache-tomcat-7.0.22/webapps]
10. restart the tomcat. Now web server is deployed on it.
11. To test give following command

<http://localhost:8080/axis2/services/ImportData?wsdl>

12. It will list the .wsdl file for webservice.

### Dive Webservice Client Program

1. There is included a sample client program to test Dive Webservice. Checkout the StudentActivityVisualization/extras/divewebclient/DiveWebClient.java from repository.
2. Copy the server.properties file and edit on the basis of webservice end point url. End point url will be getting from <http://localhost:8080/axis2/services/ImportData?wsdl>
3. give an .xml file path to  
DataHandler dh = new DataHandler(new FileDataSource("/home/user1/books.xml"));
4. The .xml file format is also available in extras folder.
5. Compile DiveWebClient.java. All the jar files needed for this program is available under dist/lib folder.
6. Run the DiveWebClient.java program it will send the .xml file to the webservice and webservice will post the data to the Dive database.