## that can be deployed as a web service to the Axis2. This tool is in the form of an Eclipse plug-in and can be downloaded from the downloads section. This document describes how the tool can be used. Installation Download the binary version of the plug-in and extract the content of the zip file into the Eclipse installation folder. (The plug-in will actually go into the plugins directory in the Eclipse installation root). Restarting Eclipse will set the plug-in automatically. **Operation** If the plug-in is properly installed you should see a new wizard under the "New" section.(use the File -> New -> Other or Ctrl + N) New Select a wizard Wizards: 🎒 Extension Point Schema Interface Java Project 🎎 Plug-in Project Axis2 Wizards

Axis2 comes with a simple service archiver tool. This tool provides easy to use functionality to develop a axis archive or an "aar" file or a "jar" file

Service Archive Wizard - Eclipse Plug-in

⊕ 🧽 CVS 🕀 🥭 Java 🕀 😕 Plug-in Development Simple < Back Next > Finish Cancel Selecting the wizard and pressing the next button will start the service generator wizard. Following is the first wizard page. 🥌 Apache Axis Service Archiver Service Archiver Welcome to the new AXIS Service packager Wizard Interface. Insert the location for the class files here. Class File Location ::\java\eclipse Browse...

✓ Include .class files only

< Back Next > Finish Cancel Once the class file folder is given (which should be a folder in the file system) the next button will be enabled. Page 2 of the wizard requires you to locate the wsdl file. Note that the WSDL file cannot be skipped in this version of the tool 🚝 Apache Axis Service Archiver Service Archiver Add the WSDL File Select a WSDL file Browse... ☐ Generate a WSDL file ☐ Skip WSDL

< Back Next > Finish Cancel Select the service.XML file in the next wizard page 🚝 Apache Axis Service Archiver Service Archiver Select the Service XML file to be included in the Service archive Set the service XML file Browse... Generate the service xml automatically < <u>B</u>ack Next > Cancel Note that The service XML file can be generated if needed. To proceed to the service generation page, check the "generate automatically" checkbox. 🥌 Apache Axis Service Archiver Service Archiver Select the Service XML file to be included in the Service

If the automatic mode is not selected then the wizard will directly jump to the library selection page. However if the automatic mode is selected the wizard will show the following page Apache Axis Service Archiver Service Archiver Generate the Service XML file Service name MyService Load Search declared methods only

< Back Next > Cancel This is a somewhat complicated page. The service name textbox should include the name of the service that you wish to give this service. For the implementation class type in the fully qualified class name and hit the load button to view the operations The loaded operations should be displayed in a table. Once this is displayed you can filter the methods by selecting/deselcting the methods using the checkbox at each row. 🥌 Apache Axis Service Archiver Service Archiver Generate the Service XML file Service name MyService Class name org.uom.example.ui.Clicker Load Search declared methods only Method name Return type Parameters void 1 main void remove update void setLayout void getContentPane java.awt.Conta... getAccessibleC... javax.accessibil... getDefaultClos... int getGlassPane java.awt.Comp... 0 getJMenuBar javax.swing.JM... getLayeredPane javax.swing.JL... getRootPane javax.swing.JR... isDefaultLookA... boolean setContentPane void setDefaultClose... void 1

< Back Next > Einish Cancel Further filtering can be achieved by using the "search declared methods" only checkbox 🥌 Apache Axis Service Archiver Service Archiver Generate the Service XML file Service name MyService Class name | org.uom.example.ui.Clicker Search declared methods only Method name Return type  $\overline{\mathbf{A}}$ mainvoid javax.swing.JL... access\$100 load void Once the method selection is complete the wizard has enough information to generate a basic services.xml file. If further customization is required, there's no choice but to manually edit it! The next step is to add the libraries. The library addition page looks like this Apache Axis Service Archiver Service Archiver Add any external libraries Add -> Remove <-Added libraries Next > < Back Einish Cancel

The library name (with full path) can be either typed on the text box or browsed for using the browse button. 🥌 Apache Axis Service Archiver Service Archiver Add any external libraries E:\projects\Java\Axis1\lib\mailapi\_1\_3\_1.jar Add -> Remove <-Browse... Added libraries Next > Cancel < Back Einish Hit the Add button to add the library to the list. The added libraries should be displayed in the list box 🥌 Apache Axis Service Archiver Service Archiver Add any external libraries E:\projects\Java\Axis1\lib\mailapi\_1\_3\_1.jar Add -> Remove <-Browse... Added libraries Next > **Einish** Cancel < Back 🥌 Apache Axis Service Archiver Service Archiver Add any external libraries Add -> Remove <-Browse... Added libraries E:\projects\Java\Axis1\lib\mailapi\_1\_3\_1.jar E:\projects\Java\Axis1\lib\log4j-1.2.8.jar

2 jars in list < Back Next > Finish Cancel If any library needs to be removed, highlight it in the list and hit remove. Click next to proceed to the last page of the wizard 🥌 Apache Axis Service Archiver Service Archiver Add any external libraries Add -> Browse... Remove <-Added libraries E:\projects\Java\Axis1\lib\mailapi 1 3 1.ja E:\projects\Java\Axis1\lib\log4j-1.2.8.jar The last page of the wizard asks for the output location and the output archive name. 🥌 Apache Axis Service Archiver Service Archiver Set the output loacation and the output file name

Output file location | C:\Documents and Settings\Ajith\Desktop Browse... Output File Name my\_service.jar Next > Einish < Back Cancel

Once all the parameters are filled, hit the finish button to complete the wizard and generate the service archive. Success Service Archive Generated successfully! OK If you see the above message, then you've successfully generated the service archive! This service archive can be hot deployed to the axis2 The plugin also adds a help document to the Eclipse help system. You should see it if you go to Eclipse help content 🚝 Help - Eclipse Platform Search: Contents 🦑 🧞 🗖 Workbench User Guide

> Java Development User Guide Platform Plug-in Developer Guide JDT Plug-in Developer Guide

🗫 Axis2 Code Generator Axis2 Service Archiver

PDE Guide