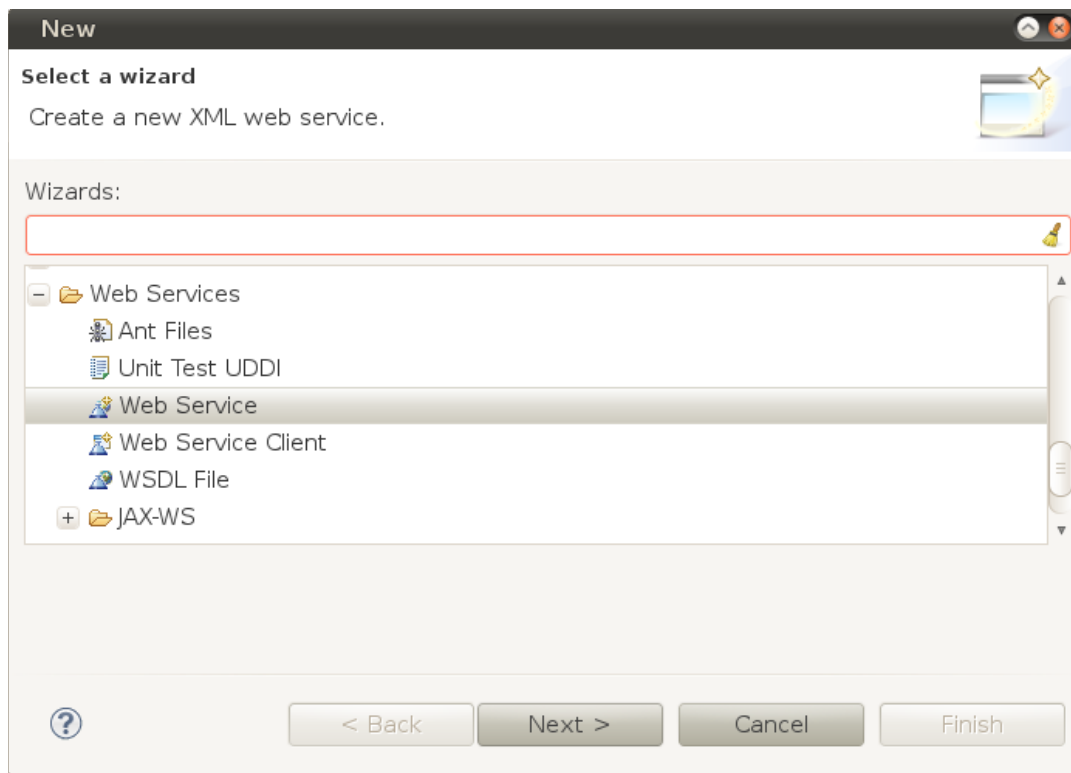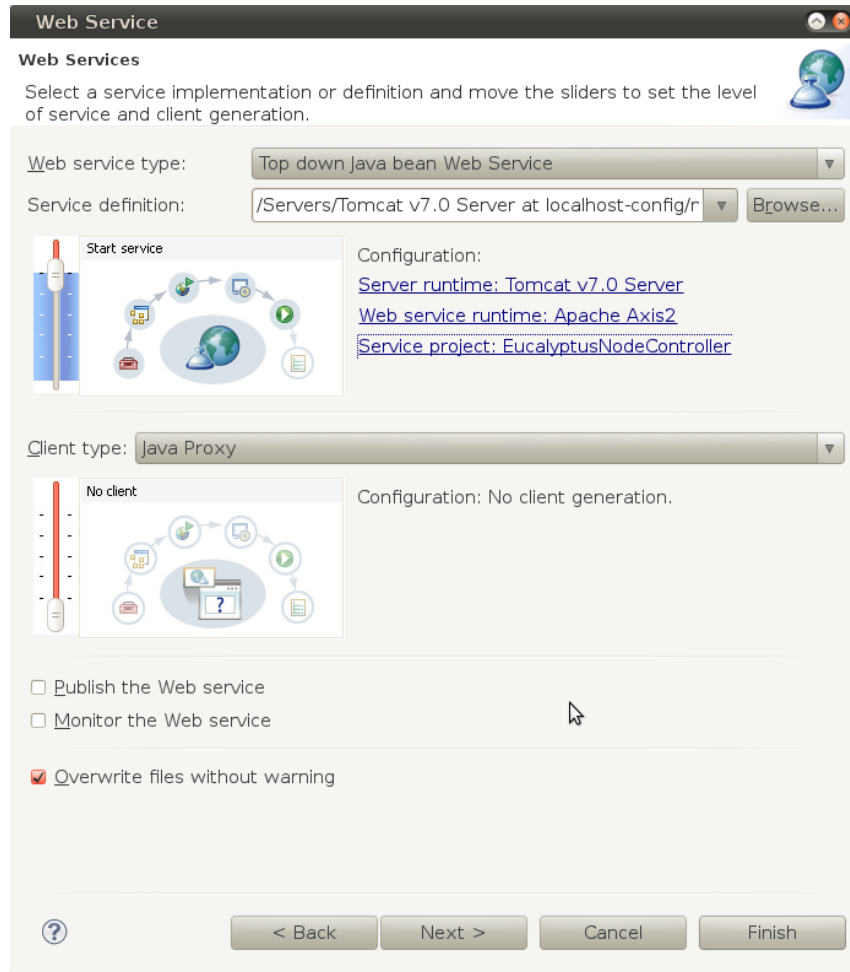# Node Controller from WSDL

1. Get the NC.wsdl

2. Download and install Apache Tomcat7 in Eclipse

3. Download and install Axis2 (version 1.6.2)

    - Open Eclipse

    - Open the preferences window. (Window -> Preferences)

    - Set up and configure the "Server Runtime Environments".

    - Open and configure the "Axis2 Preferences" and the "Server and Runtime" found in the "Web Services" category:

        ○ In "Axis2 Preferences", set "Axis2 Runtime location" to the directory unzipped in step 3.

4. Create a new Web Service

5. Select the definitions for the Web Service

6. Configure the security module of Axis2

7. Configure the SOAP Monitor

8. Configure the server.xml file to change the project path and the listening port

9. Jars used so far...

httpcomponents-client-4.2.2	axis2-soapmonitor-servlet-1.6.2.jar	log4j-1.2.16.jar
ourvirt-1.0.1	axis2-spring-1.6.2.jar	mail-1.4.jar
vboxjxpcom	axis2-transport-http-1.6.2.jar	mex-1.6.2-impl.jar
activation-1.1.jar	axis2-transport-local-1.6.2.jar	neethi-3.0.2.jar
antlr-2.7.7.jar	axis2-xmlbeans-1.6.2.jar	opensaml-2.5.1-1.jar
axiom-api-1.2.13.jar	bcprov-jdk15-140.jar	openws-1.4.2-1.jar
axiom-dom-1.2.13.jar	commons-cli-1.2.jar	ourvirt-1.0.1.jar
axiom-impl-1.2.13.jar	commons-codec-1.3.jar	rampart-core-1.6.2.jar
axis2-adb-1.6.2.jar	commons-codec-1.6.jar	rampart-policy-1.6.2.jar

axis2-adb-codegen-1.6.2.jar	commons-collections-3.2.1.jar	rampart-trust-1.6.2.jar
axis2-ant-plugin-1.6.2.jar	commons-fileupload-1.2.jar	rt.jar
axis2-clustering-1.6.2.jar	commons-httpclient-3.1.jar	slf4j-api-1.5.5.jar
axis2-codegen-1.6.2.jar	commons-io-1.4.jar	slf4j-jcl-1.5.5.jar
axis2-corba-1.6.2.jar	commons-io-2.4.jar	slf4j-log4j12-1.5.5.jar
axis2-fastinfoset-1.6.2.jar	commons-lang-2.3.jar	sshj-0.8.1.jar
axis2-java2wsdl-1.6.2.jar	commons-logging-1.1.1.jar	vboxjxpcom.jar
axis2-jaxbri-1.6.2.jar	esapi-2.0.1.jar	velocity-1.5.jar
axis2-jaxws-1.6.2.jar	esapi-2.0GA.jar	woden-api-1.0M9.jar
axis2-jibx-1.6.2.jar	fluent-hc-4.2.2.jar	woden-impl-commons-1.0M9.jar
axis2-json-1.6.2.jar	geronimo-stax-api_1.0_spec-1.0.1.jar	woden-impl-dom-1.0M9.jar
axis2-kernel-1.6.2.jar	httpclient-4.2.2.jar	wsdl4j-1.6.2.jar
axis2-metadata-1.6.2.jar	httpclient-cache-4.2.2.jar	wss4j-1.6.4.jar
axis2-mtompolicy-1.6.2.jar	httpcore-4.2.2.jar	wstx-asl-3.2.9.jar
axis2-saaj-1.6.2.jar	httpmime-4.2.2.jar	xmlbeans-2.3.0.jar
	jaxen-1.1.4.jar	XmlSchema-1.4.7.jar
	joda-time-1.6.2.jar	xmlsec-1.4.6.jar
		xmltooling-1.3.2-1.jar

10. To run VBOXtest vbox.home Java property must be defined to use XPCOM bridge as:

-Dvbox.home= /usr/lib/virtualbox