

## JA-SIG Conferences : Setup For uPortal 101 Seminar

This page last changed on May 28, 2006 by [susan.bramhall@yale.edu](mailto:susan.bramhall@yale.edu).

### Complete this section before the seminar to actively run examples.

A java IDE is useful but not necessary to working with uPortal. This seminar will use Eclipse. To participate in the walk through actively and most easily we recommend that you bring a laptop with wireless network capability and install the following software before you arrive. If you cannot do this, you can still get the most out of the seminar by browsing the materials available in the JA-SIG repository at. The conference meeting rooms will have good wireless service. We will have CDs available with an Eclipse workspace with uPortal project checked out from CVS. This will be the basis of the examples presented.

### The list below includes the steps to complete if you want to run the examples and exercises. Warning, this is not a cookbook!

1. Download **JDK 5.0 Update 6 or 7** from Sun and install <http://java.sun.com/j2se/1.5.0/download.jsp> or **Java 2 SE 5.0** from Apple for OS X.
2. Download and install **Eclipse 3.1.2** from <http://download.eclipse.org/eclipse/downloads/drops/R-3.1.2-200601181600/index.php>.
3. Add **sysdeo Tomcat plug** in by grabbing the zip file at <http://www.sysdeo.com/sysdeo/content/download/393/4930/file/tomcatPluginV31.zip> and expanding into the eclipse/plugins directory.
4. Install **Jakarta Tomcat 5.0.28** from the Jakarta site at <http://tomcat.apache.org/download-55.cgi#5.0.28>
5. Launch Eclipse
  - a. Go to *window>preferences>Java>Installed JREs* and add the jdk you installed.
  - b. Go to *window>preferences>Tomcat* and select *Version 5.x* and set Tomcat home to the location where you installed Tomcat.
6. Download and expand HSQLDB <http://hsqldb.org/>
7. To make browsing xml in Eclipse easy download and install a trial version of the **Oxygen XML Eclipse plug-in** from <http://www.oxygenxml.com/register.html> The instructions for installing the Eclipse plug-in are at [http://www.oxygenxml.com/download.html#eclipse3.1\\_instructions](http://www.oxygenxml.com/download.html#eclipse3.1_instructions).

To check that you have set up successfully:

1. If you succeeded with the oXygen plugin you can open Window>Preferences>Open Perspective>other... and see oXygen tools for working on XML and XSL.
2. If Tomcat is properly installed you should see 3 icons in the menu bar to start tomcat, stop tomcat and restart. And you can even start tomcat and go to <http://localhost:8080> and see its welcome page.
3. To test hsqldb, go to the directory hsqldb/demo and use the runServer.bat or runServer.sh command to start it up and the runManager to look at their test database.

The entire project and examples will be available to be browsed in JA-SIG CVS repository <http://developer.ja-sig.org/source/viewrep/~br=up101-vancouver/jasig>. In fact it is there under development now.

You will be able to use the Eclipse project created for the seminar.