

Getting Started with Eclipse J2EE Environment

[by John Mourad, 13-Oct-2016]

I was recently able to set up my environment to develop Java servlets using Eclipse (thanks to Jake Weber) and wanted to share my steps with anyone who still is trying to get set up.

Requirement: Tomcat, Eclipse, JDK, JRE

Setting up Eclipse Neon

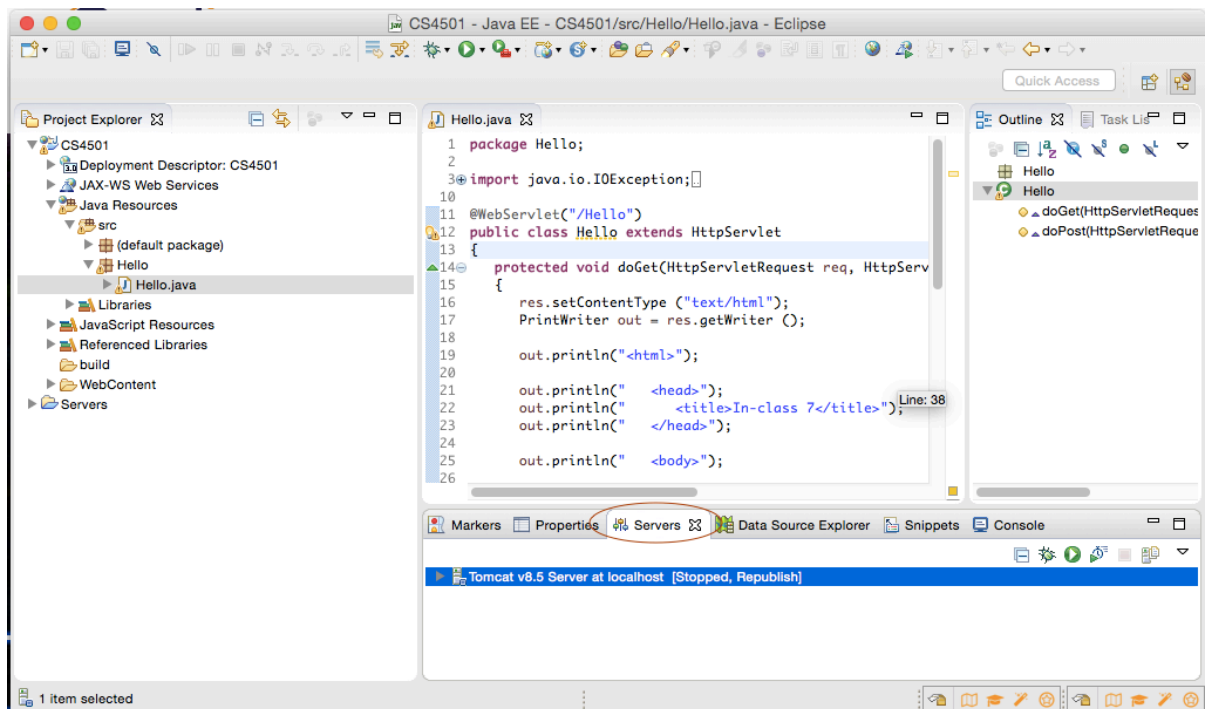
- 1) Download Eclipse Neon here: <https://eclipse.org/>
- 2) Once the download is complete, open Eclipse and select "Create a new Java EE Web Project"
- 3) Complete the form by entering a Project Name and other information
- 4) Under your newly created project, open "Java Resources" and right click on the "src" folder. Select "New" -> "Servlet" to create a new Java servlet.
- 5) Enter the Class name and/or Package name if there is one.
- 6) Open the .java file in the package name or (default package).

You may need to add "servlet-api.jar" as an External JAR on the build path. To do so,

- 1) Right click on the Project name and select "Build Path" -> "Configure Build Path..."
- 2) Under the "Libraries" tab, select "Add External JARs..." on the right. Go to the directory where Apache Tomcat is installed and go to the "lib" folder and select "servlet-api.jar"
- 3) Select "Apply" and exit by selecting "Ok"

To run your servlet, you may need to add a server. To do so,

1) Go to the "Servers" tab as shown below:



2) If there are no servers, there should be a link to add a new server. Otherwise, you can just right click and select "New" -> "Server"

3) Select the correct version of Tomcat. Select "Finish"

4) Once your server is setup, you can right click on the .java file and select "Run As" -> "Run on Server"

NOTE: Make sure you have the '@WebServlet("/ ..class name goes here.. ")', as shown in the image above. For example, '@WebServlet("/Hello")' allows me to access the servlet at <http://localhost:8080/CS4501/Hello>, where Project name is "CS4501".