

# Running Your First Servlet (in Eclipse)

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## Set up Tomcat (Servlet Container)

- Go to <http://tomcat.apache.org/download-60.cgi>
- Download “Core” distribution, for example [32-bit Windows zip](#)
- Unzip it to i.e. C:\Program Files\apache-tomcat-6.0.26

## Set up Web Project in Eclipse

- Ensure you have Java EE version – see menus Help -> About. If not, pick a or b:
  - a) install Web Tools Platform for Eclipse from <http://www.eclipse.org/webtools/>
  - b) or better yet install **Eclipse IDE for Java EE Developers (190 MB)** from <http://www.eclipse.org/downloads/>
- File -> New -> Project -> Dynamic Web Project
- Name Project, i.e. “myweb”
- Click Finish

## Create Your First Servlet

- Right-click your new project -> New Servlet
- In “Java Package” type “myweb” and in “Class Name” type “MyServlet”
- Click Finish

## Setup Servlet API Library

- You will notice that HttpServlet class has a red line under it. Eclipse is not recognizing the class
- Hover your mouse over the underlined class and click “Fix Project Setup” and then on “here”
- Click on “Libraries” tab, and then on “Add External JARs...” button
- Navigate to “C:\Program Files\apache-tomcat-6.0.26\lib” and select “servlet-api.jar”
- Click OK, and the red lines should disappear

## Create a Servlet that prints something

- Download “MyServlet.java” from VLT and paste it into the window

## Set up a Tomcat Server to run from Eclipse

- Run the Servlet (Ctrl-F11, or menu Run -> Run, or click the green “play” button)  
“Run On Server” menu will show up
- Select “Apache” -> “Tomcat v6.0 Server”, click “Next”, click “Browse” and specify the path to tomcat base: “C:\Program Files\apache-tomcat-6.0.26”
- Click Finish
- You should see the message “Hello, I just ran my first Java Servlet!”
- You could also open your browser and see your Servlet at <http://localhost:8080/myweb/MyServlet>
- Congrats! You now ran your first servlet! How does it feel?