

Setting up Java and Eclipse

1 Setting up Java SDK

Download **JDK 6 update 27** (as of Aug. 25, 2011) from

<http://www.java.com/en>.

Click on the **Free Java Download** button and then on the **Agree and Start Free Java Download** button. Save the download file (**JavaSetup6u27.exe**) to a known location on your computer, such as the desktop. Once the download is complete, double-click the saved file to start the installation process. Click the **Install** button to accept the license terms (there is no need to change the destination folder). Continue with the installation until you get to the final dialog box, which should show that Java has been successfully installed. Click **Close** to complete the process.

2 Setting up Eclipse

Step 1 - Download: Eclipse is available for free from <http://www.eclipse.org>. Download **Eclipse Classic 3.7** from <http://www.eclipse.org/downloads/>. (Most likely you will want the 32-bit version, unless you have the 64-bit version of Windows, which is not supplied by Bentley.)

Step 2 - Install: Unzip the downloaded file (**eclipse-SDK-3.7-win32.zip**) by extracting its contents to your hard drive (wherever you typically store applications is fine - just be sure to note the location). Unlike Java, Eclipse does not have an installation process; once you have unzipped the file, you are done.

The Eclipse application appears in the Eclipse folder as a big blue dot and is called **eclipse.exe**. Add a shortcut to Eclipse on your desktop by right clicking on this file and selecting **Create->Shortcut**.

Step 3 - Run: Run Eclipse. If an error message appears, you most likely do not have the right version of Java installed. Follow the instructions from Section 1 of this handout and then run Eclipse again.

Eclipse starts by asking you to specify the location for your projects, a.k.a. the workspace. Accept the default setting for now ¹. Next, you should see the *Welcome* window, which you should close. A separate handout that takes you through the details of creating and running a Java project is posted to the **Course Documents > Week 2** folder and will be reviewed in class.

Step 4 - Verify: You should verify that the current workspace of Eclipse is using the appropriate settings for Java. From the menus at the top of the Eclipse window, select **Window > Preferences > Java > Compiler** and make sure that value **1.6** is selected in the **Compiler Compliance Level**.

(produced on August 25, 2011)

¹If you need to switch the workspace at some later time to refer to another location, select **File->Switch Workspace**.