

# Eclipse Tutorial

## Programming Environment Setup Installing Eclipse and Java JDK

Versions: Java 1.8, Eclipse Mars 4.5

For more tutorials:

<http://cs.uwlax.edu/~jjhursey/teaching/tutorial/eclipse/>

Professor J. Hursey

# Install the Java Development Kit (JDK)

- Download Website:

<http://www.oracle.com/technetwork/java/javase/downloads/index.html>

- Select the JDK Download

Click on the **JDK Download** button.



The screenshot shows the Oracle Java SE Downloads page. The main content area is titled "Java SE Downloads" and features two download buttons: "Java Platform (JDK) 8u11" and "JDK 8u11 & NetBeans 8.0". Below these, there is a section for "Java Platform, Standard Edition" with a "JDK DOWNLOAD" button. A blue callout box points to this button with the text "Click on the JDK Download button." The page also includes a sidebar with navigation links and a right-hand sidebar with "Java SDKs and Tools" and "Java Resources" sections.

# Install the Java Development Kit (JDK)

If you are running Windows Vista, 7, or 8 you probably want the "Windows x64" version.

If you are running an earlier version then you may want the "Windows x86" version.

Accept the License Agreement

Select the proper download for your system.

The screenshot shows the Oracle Java SE Development Kit 8 Downloads page. The browser address bar shows the URL: www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html. The page has a navigation menu with links for Sign In/Register, Help, Country, Communities, I am a..., I want to..., Search, Products, Solutions, Downloads, Store, Support, Training, Partners, About, and OTN. The main content area is titled "Java SE Development Kit 8 Downloads" and includes a thank you message, a description of the JDK, and a list of links for "See also:" (Java Developer Newsletter, Java Developer Day, Java Magazine). Below this is a section for "JDK MD5 Checksum" and a note about "Looking for JDK 8 on ARM?". The "Java SE Development Kit 8u11" section contains a license agreement form with radio buttons for "Accept License Agreement" and "Decline License Agreement". Below the form is a table of download links for various operating systems and architectures.

Product / File Description	File Size	Download
Linux x86	133.58 MB	jdk-8u11-linux-i586.rpm
Linux x86	152.55 MB	jdk-8u11-linux-i586.tar.gz
Linux x64	133.89 MB	jdk-8u11-linux-x64.rpm
Linux x64	151.65 MB	jdk-8u11-linux-x64.tar.gz
Mac OS X x64	207.82 MB	jdk-8u11-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	135.66 MB	jdk-8u11-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	96.14 MB	jdk-8u11-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	135.7 MB	jdk-8u11-solaris-x64.tar.Z
Solaris x64	93.18 MB	jdk-8u11-solaris-x64.tar.gz
Windows x86	151.81 MB	jdk-8u11-windows-i586.exe
Windows x64	155.29 MB	jdk-8u11-windows-x64.exe

# Install the Java Development Kit (JDK)

---

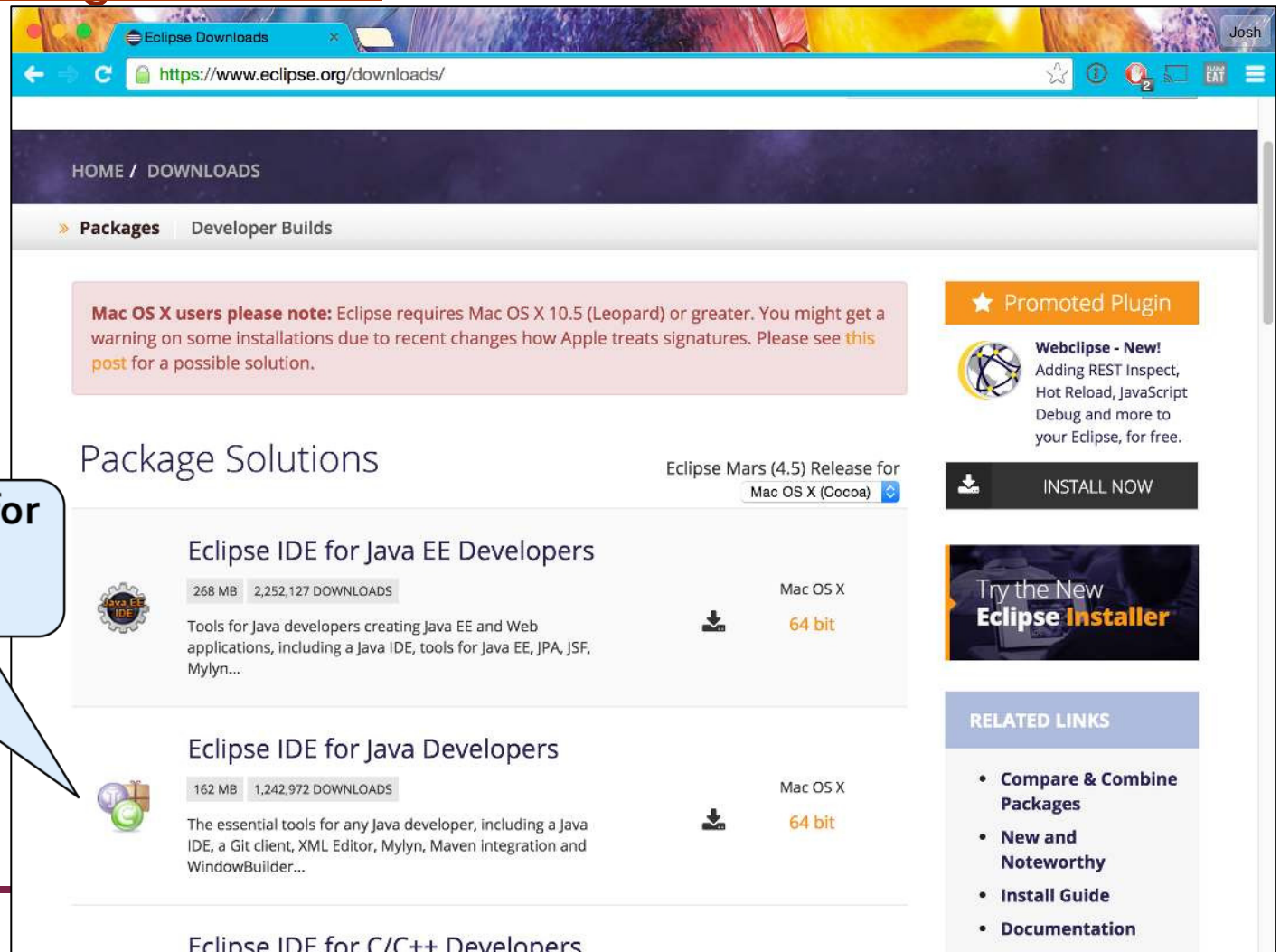
- After downloading the JDK, follow the instructions to install it on your system.



# Install the Eclipse IDE (IDE = Integrated Development Environment)

- Download Website:

<http://www.eclipse.org/downloads/>



The screenshot shows the Eclipse Downloads website. The browser address bar displays <https://www.eclipse.org/downloads/>. The page has a dark blue header with "HOME / DOWNLOADS" and a navigation menu with "Packages" and "Developer Builds". A pink callout box contains a note for Mac OS X users: "Mac OS X users please note: Eclipse requires Mac OS X 10.5 (Leopard) or greater. You might get a warning on some installations due to recent changes how Apple treats signatures. Please see [this post](#) for a possible solution." The main content area is titled "Package Solutions" and lists two options for Mac OS X (Cocoa):

Package Name	Size	Downloads	Architecture
Eclipse IDE for Java EE Developers	268 MB	2,252,127	64 bit
Eclipse IDE for Java Developers	162 MB	1,242,972	64 bit

Each package entry includes a brief description and a download icon. The "Eclipse IDE for Java Developers" entry is highlighted with a blue callout box that says "Select the Eclipse IDE for Java Developers download". To the right, there is a "Promoted Plugin" section for "Webclipse - New!" and a "Try the New Eclipse Installer" banner. A "RELATED LINKS" section at the bottom right lists: "Compare & Combine Packages", "New and Noteworthy", "Install Guide", and "Documentation".

Select the Eclipse IDE for Java Developers download

[Click here to download full PDF material](#)