

Home Eclipse Installation

Advanced Placement Computer Science

1. Determine your home PC architecture

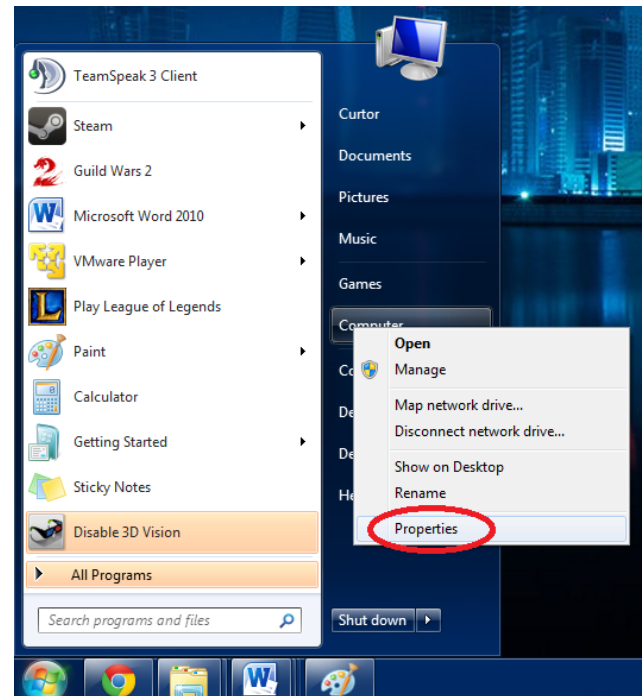
Your home PC (or Mac) is either a 32 or 64 bit machine. If you already know what you have, skip to step 2.

On Windows computers, first, open your computer's properties. To do this, click on the start menu, then right click on "Computer", and then select "Properties".

Start > (Right click) Computer > Properties

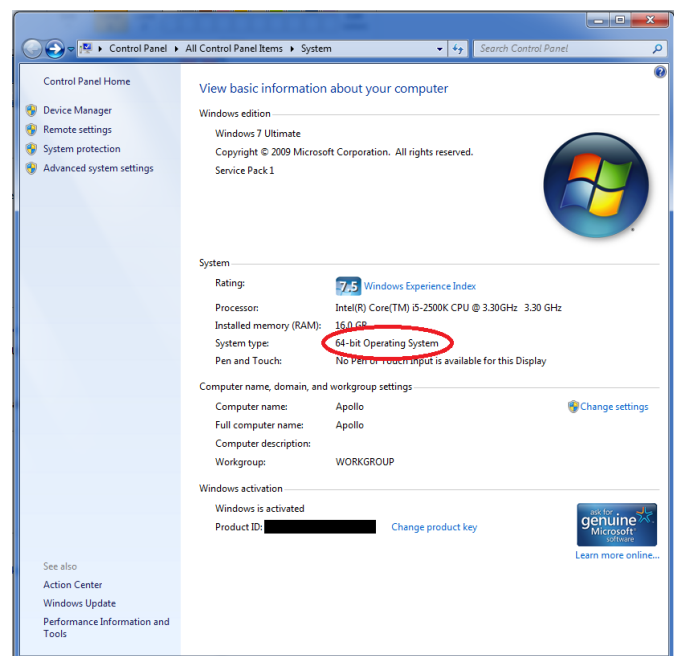
There is an example of this to the right.

(On Windows 8, you can open Windows Explorer, Right-click on "This PC" on the left-hand-side, and choose "Properties".)



Next, you should see a window like the one to the right. Find the area that says "System Type" to find out your PC architecture. The example is a 64 bit machine.

System Type: 64-bit Operating System



On a Mac, click on the Apple icon in the upper-left of your screen, and select the top item “About this Mac”. The window that pops up will have a “Processor:” line. If it says “Core Solo” or “Core Duo”, you have a 32-bit machine. If it says “Core 2 Duo”, “Core i-anything” (here anything is 3, 5 or 7), or anything else, you have a 64-bit machine.

2. Install Java

Go to the Java JDK website at

<http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>

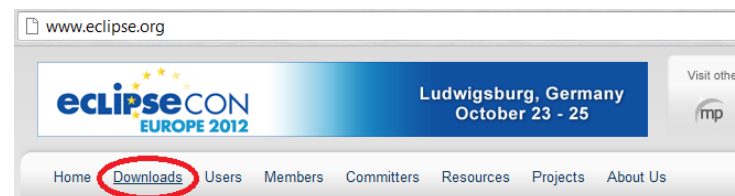
Under “Java SE Development Kit 7u67”, select “Accept License Agreement” and then the appropriate version for your computer. For Windows users, select x86 for 32-bit and x64 for 64-bit (determined in step 1).

Install the JDK once it’s downloaded.

3. Download Eclipse

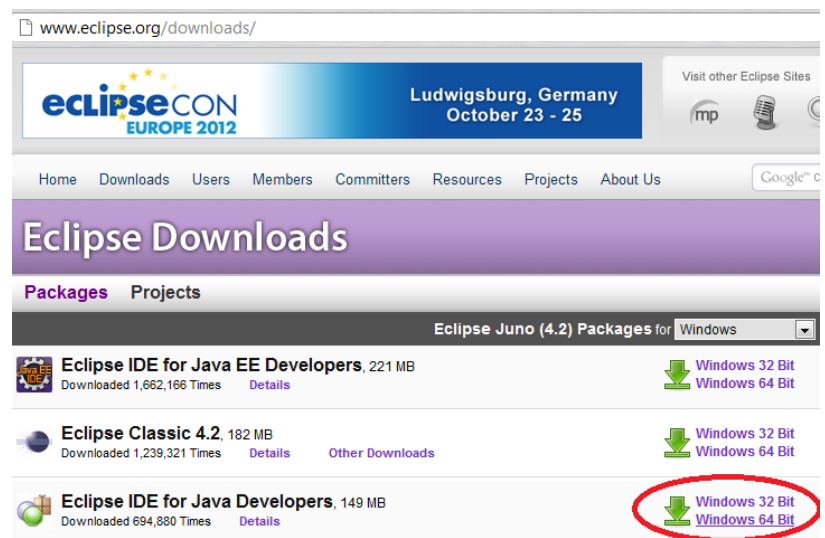
Go to the eclipse website at www.eclipse.org.

In the navigation bar at the top of the website, click on “Downloads”.



On the downloads page find “Eclipse IDE for Java Developers”. Click on the proper download link depending on your system’s architecture (determined in step 1).

Note: Do NOT download “Eclipse IDE for Java EE Developers”.



On the next page, click the download link. (The download link may be a different location than “[United States] Georgia Tech Software Library, which is okay).

Specify a location to save the compressed file to your hard drive. (Your Downloads folder is fine.)



4. Run Eclipse

You should now have a copy of eclipse, and all the material needed to run eclipse, in a single compressed file. Extract the contents of the compressed folder (On Windows, right click on the .zip file > Extract All) (On a Mac, double click on the eclipse..tar.gz file). Open the folder that was extracted and open eclipse.exe.

On Windows, It is recommended that you extract eclipse to the folder “C:\eclipse\”, or move it there after extracting it. You may wish to create a desktop shortcut to this location for convenience. You can now run the eclipse.exe program.

On a Mac, drag the eclipse folder you unpacked above to your “Applications” folder. Run eclipse by clicking on the eclipse icon in that folder.

The first time you run eclipse, it will ask you where to store the “workspace”. This is the place that all of your projects will go. Be sure to select a location that you have write access to. On Windows you may find it easiest to specify c:\eclipse\workspace so that you can keep all of your eclipse stuff together. On a Mac creating a “workspace” folder in your Documents folder.

After choosing your workspace, you will get a large welcome tab. You can close the welcome tab by clicking on its "x" (near the upper-left on the tab) and the regular Java layout will appear. To test it out, repeat the familiar steps:

1. File, New, **Java Project** (complete the wizard)
2. File, New, **Package** (complete the wizard)
3. Right-click that package, New, **Class** (*you may want to check the box to add 'public static void main(String[] args)' automatically*)
4. Add some code to main, like the following and run it.

```
System.out.println("Hello!");
```

You’re done! Whenever you want to run eclipse, run the eclipse.exe program.