

Java and Eclipse Installation

Installation Guide on Windows

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Java and Eclipse Installation

Installation Guide

Table of Contents

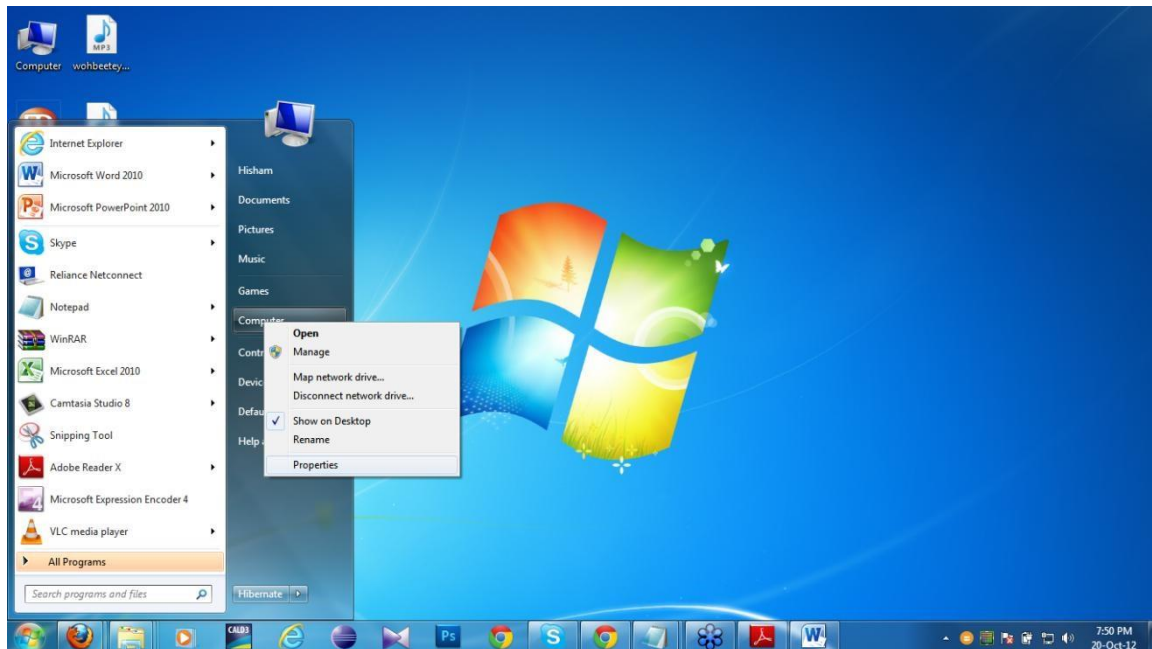
Know your System Requirements:.....	2
Prerequisites:	4
Installing JDK:	5
Installing Eclipse IDE:	10
Troubleshooting:.....	11

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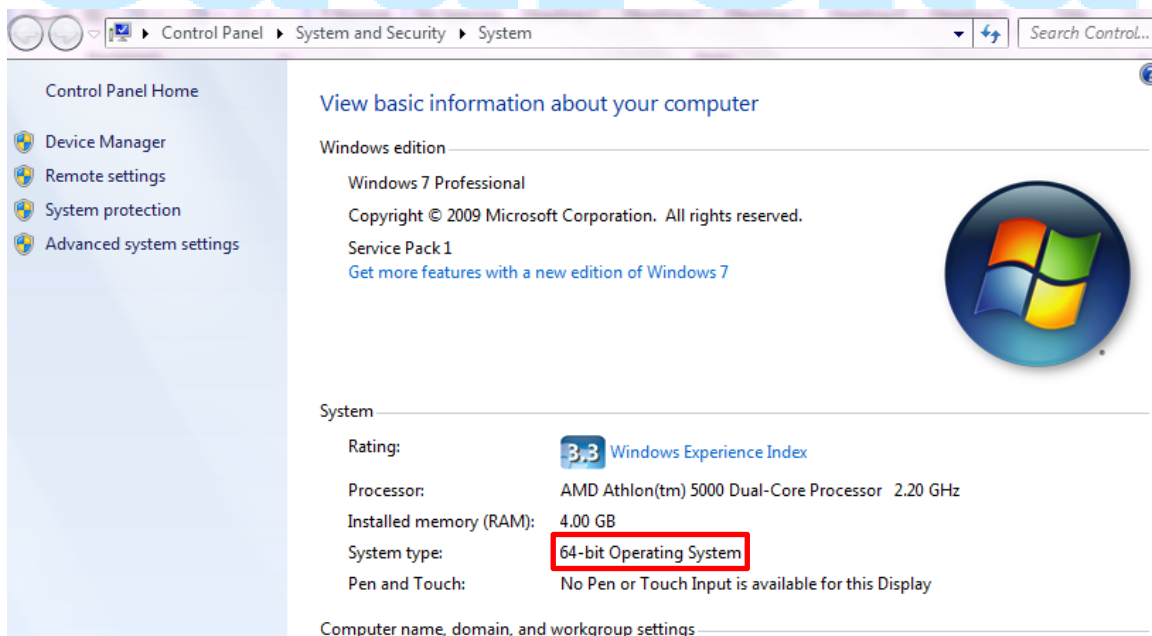
Know your System Requirements:

If you are using Windows 7:

Click on “start” or press “windows key” → right click on “Computer” → select “Properties”.



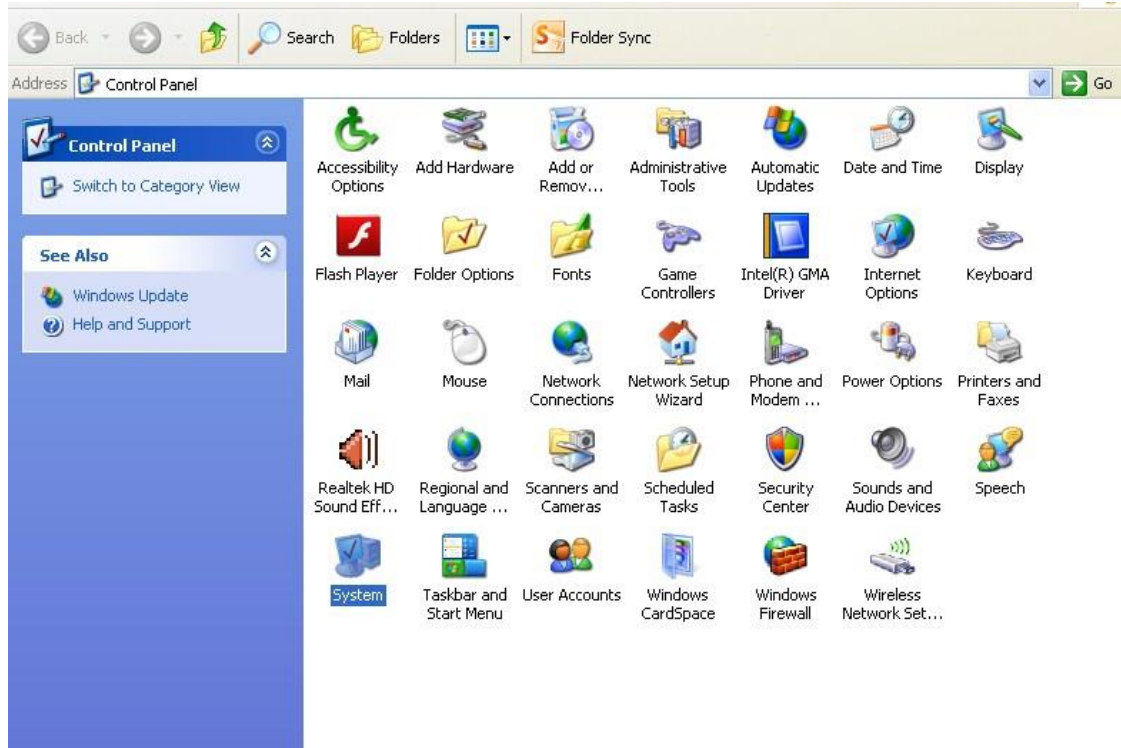
Here you will find the System settings as below:



From the above window you can find out whether your machine is 64 bit or 32 bit machine.

On a **Windows XP OS** follow the following steps:

From the start menu → Go to Control Panel → Go to System.



Here you will find the System settings as below:



As you can see the above Machine is a 32 bit machine as it is showing Microsoft Windows XP Professional.

For a 64 bit machine it will show Microsoft Windows XP Professional X64 Edition.

All the software's viz. Eclipse, JDK will be downloaded for the type of machine found (viz 32 bit or 64 bit).

Prerequisites:

- Java Development Kit(JDK and JRE).
- Eclipse IDE(Helios or Above).

Installing JDK:

→ Go to the URL: <http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>

→ Then click on Download under the JDK section.

Choose the appropriate option that is as per the machine you are installing the JDK viz. 32 bit machine or 64 bit machine.

Click on this radio button

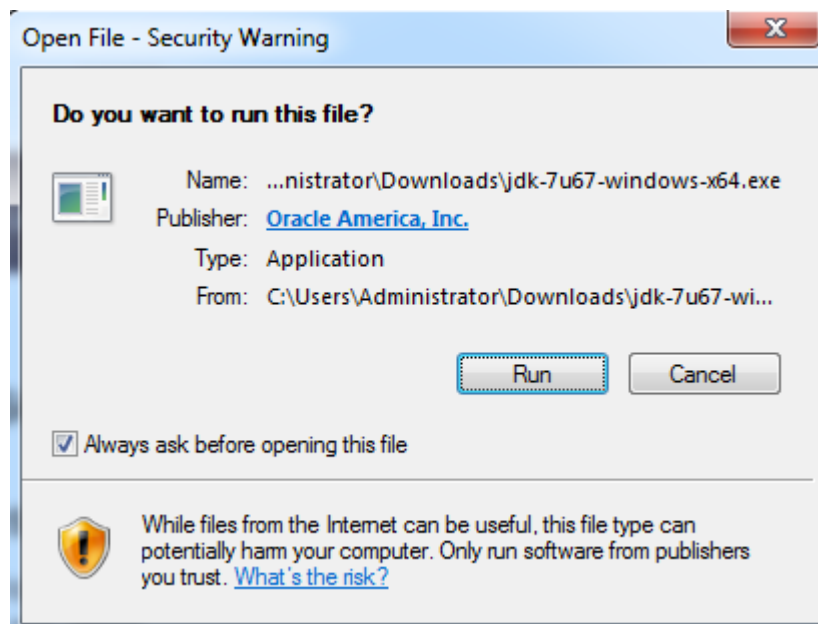
Windows 32-bit

Windows 64-bit

Click here to download

Product / File Description	File Size	Download
Linux x86	119.67 MB	jdk-7u67-linux-i586.rpm
Linux x86	136.94 MB	jdk-7u67-linux-i586.tar.gz
Linux x64	120.98 MB	jdk-7u67-linux-x64.rpm
Linux x64	135.78 MB	jdk-7u67-linux-x64.tar.gz
Mac OS X x64	186.01 MB	jdk-7u67-macosx-x64.dmg
Solaris SPARC (SVR4 package)	138.77 MB	jdk-7u67-solaris-sparc.tar.Z
Solaris SPARC	98.61 MB	jdk-7u67-solaris-sparc.tar.gz
Solaris SPARC 64-bit (SVR4 package)	23.99 MB	jdk-7u67-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	18.39 MB	jdk-7u67-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	24.74 MB	jdk-7u67-solaris-x64.tar.Z
Solaris x64	16.35 MB	jdk-7u67-solaris-x64.tar.gz
Solaris x86 (SVR4 package)	139.39 MB	jdk-7u67-solaris-i586.tar.Z
Solaris x86	95.47 MB	jdk-7u67-solaris-i586.tar.gz
Windows x86	127.98 MB	jdk-7u67-windows-i586.exe
Windows x64	129.7 MB	jdk-7u67-windows-x64.exe

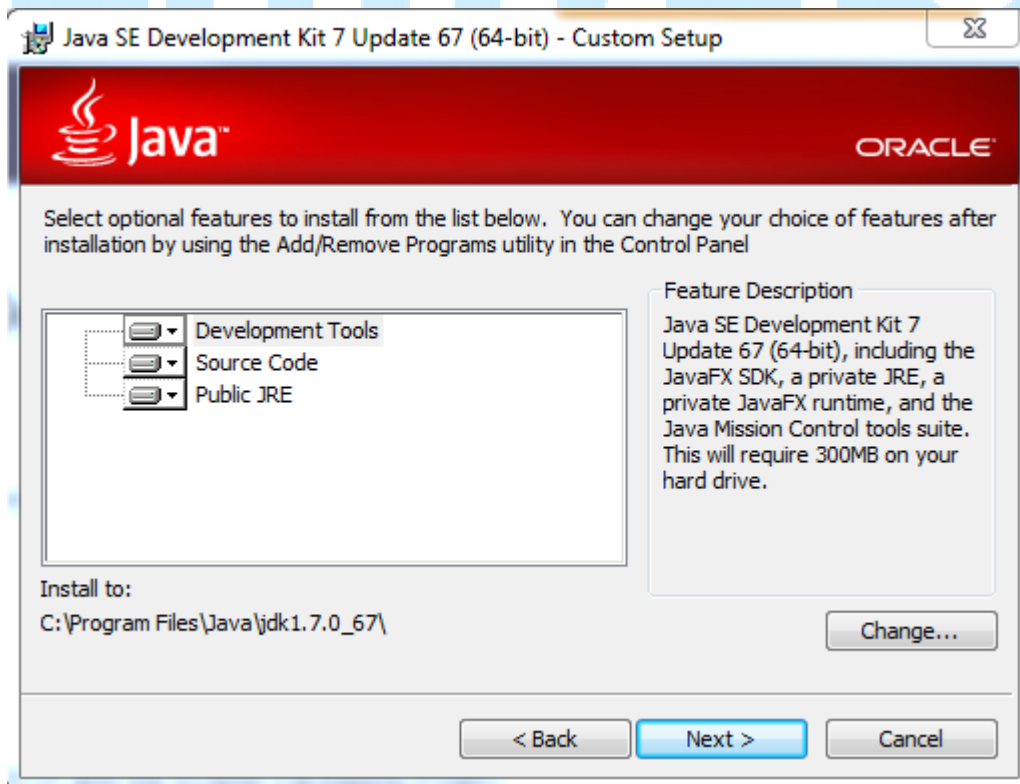
→ Once the download is over. Start the .exe file by double click on it.



→ Click Run



→ Click Next



→ Now click on Next.

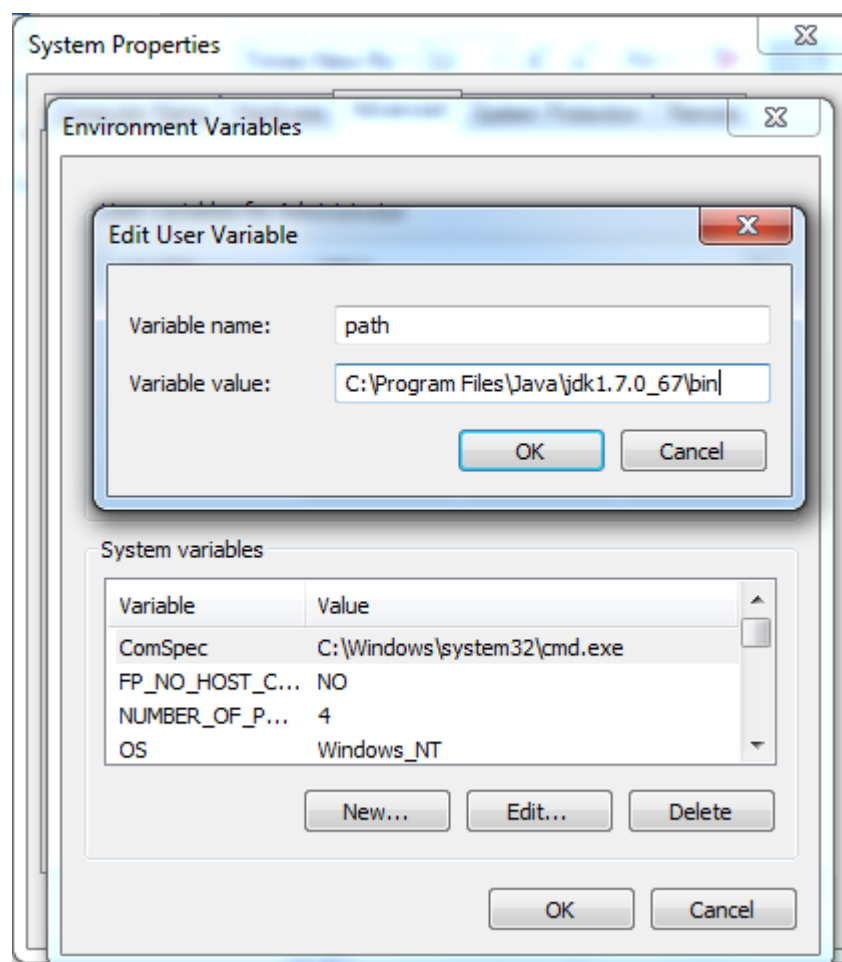


→ Click Next

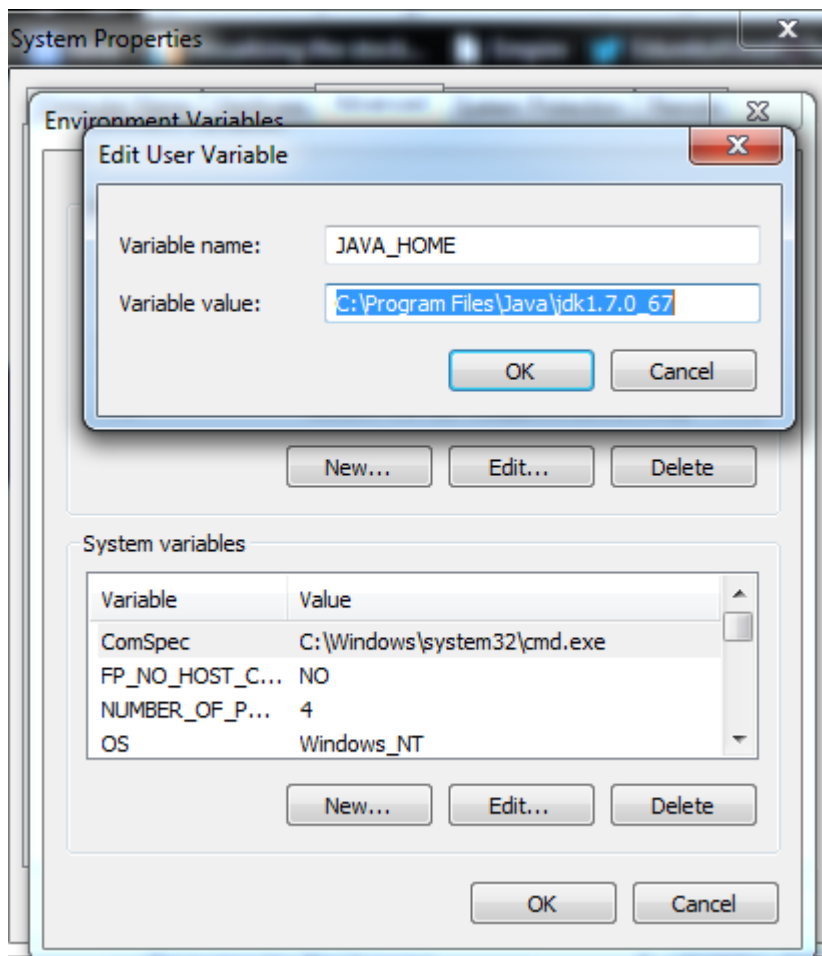


→ Click Close

- » Once done with JAVA installation, we need to set the Environment variables in order to use JDK with Eclipse.
- » Go to MyComputer from the startup menu → Right click on Computer → Go to Properties → Go to Advanced System Settings → From the Popup → Go to Environment Variables.
- » Click on Add.
- » Name the Environment Variable as path.
- » Place the value of the JDK installation folder on your machine till the folder's bin directory. For ex: C:\Program Files\Java\jdk1.7.0_67\bin
- » Create another environment variable name it as JAVA_HOME and set the values as C:\Program Files\Java\jdk1.7.0_67 i.e. **excluding the bin directory**.



Setting path variable



Setting JAVA_HOME variable

Once we have created the Environment variables, we are done with the process of JDK installation.

Installing Eclipse IDE:


We recommend using Eclipse IDE for Java Developers. You can download it here:

→ Download "Eclipse IDE for Java Developers (92 MB)" from here

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


→ Just check before downloading whether your OS is 64 bit or 32 bit.

Eclipse Luna (4.4) Release for Windows




Eclipse Standard 4.4 206 MB
Downloaded 1,995,122 Times [Other Downloads](#)

Standard Eclipse package suited for Java and plug-in development plus adding new plugins; already includes Git, Marketplace Client, source code and...




Windows 32 Bit
Windows 64 Bit

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Eclipse IDE for Java EE Developers 259 MB
Downloaded 1,225,008 Times

Tools for Java developers creating Java EE and Web applications, including a Java IDE, tools for Java EE, JPA, JSF, Mylyn...



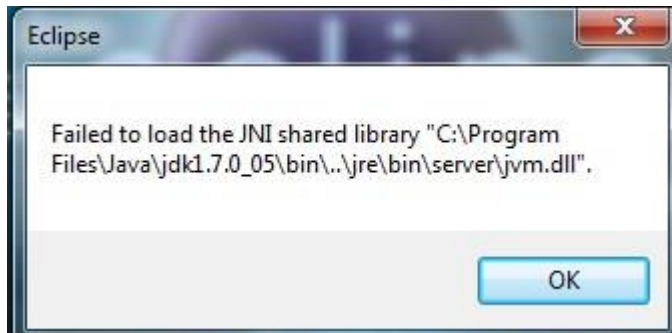
Windows 32 Bit
Windows 64 Bit

- This is a zip file and does not require installation. Just copy the eclipse folder into your programs directory.
- Unzip this file.
- After unzip what you will find in the unzipped folder is something like this:

Name	Date modified	Type	Size
configuration	27-08-2014 11:44	File folder	
dropins	12-06-2014 09:38	File folder	
features	12-06-2014 09:38	File folder	
p2	12-06-2014 09:37	File folder	
plugins	12-06-2014 09:38	File folder	
readme	12-06-2014 09:38	File folder	
.eclipseproduct	05-06-2014 01:36	ECLIPSEPRODUCT...	1 KB
artifacts	12-06-2014 09:38	XML Document	118 KB
eclipse	28-07-2014 11:58	Configuration sett...	1 KB
eclipsec	12-06-2014 09:38	Application	26 KB
epl-v10	05-06-2014 01:43	HTML File	13 KB
notice	05-06-2014 01:36	HTML File	9 KB

Troubleshooting:

If after the installation of JDK, you find an error like below:



You have made the wrong software installation i.e. the Eclipse IDE and the JDK are incompatible. An Example can be that the JDK was downloaded for 64 bit machine and Eclipse for a 32 bit machine or Vice versa or both could not be downloaded for the targeted machine.

In order to resolve this do an Uninstall of JDK from Add/Remove Programs and download a new Eclipse and JDK for the Target Machine (64 bit or 32 bit) and follow the steps as mentioned from the beginning of the document.

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