

How to install Java



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Steps

1. Download Java
2. Install Java
3. Update Path environmental variable
4. Verify Installation



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1. Download Java

1. Open your web browser
2. Type URL:
<http://www.oracle.com/technetwork/java/javase/downloads/index.html> to go to Oracle download page
3. Click on button “JDK download” for Java SE. This will lead you to JDK download page
<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

The screenshot shows the Oracle Java SE Downloads page. The Oracle logo is at the top left. Navigation links include Sign In/Register, Help, Country, Communities, I am a..., I want to..., Search, Products, Solutions, Downloads, Store, Support, Training, Partners, About, and OTN. The breadcrumb trail is Oracle Technology Network > Java > Java SE > Downloads. The 'Downloads' tab is selected, showing 'Java SE Downloads'. There are two main download buttons: 'DOWNLOAD' for 'Java Platform (JDK) 8u60' and 'DOWNLOAD' for 'NetBeans with JDK 8'. A red arrow points from the 'JDK download' link in the instructions to the 'DOWNLOAD' button for 'Java Platform (JDK) 8u60'. Below these buttons, there is a section for 'Java Platform, Standard Edition' with details for 'Java SE 8u60' and a 'JDK DOWNLOAD' button. A sidebar on the right lists 'Java SDKs and Tools' and 'Java Resources'.



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4. Accept oracle license agreement

5. Find and click on the correct jdk download link right for your operating system to download

6. Save the file to disk

Java SE Development Kit 8 Downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

See also:

- Java Developer Newsletter (tick the checkbox under Subscription Center > Oracle Technology News)
- Java Developer Day hands-on workshops (free) and other events
- Java Magazine

JDK 8u60 Checksum

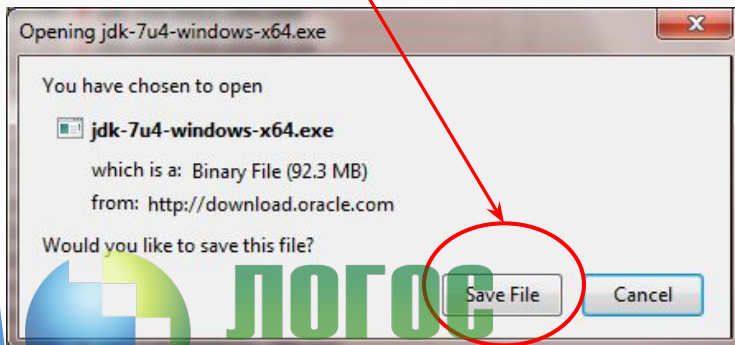
Java SE Development Kit 8u60

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

Accept License Agreement

Decline License Agreement

Product / File Description	File Size	Download
Linux ARM v6/v7 Hard Float ABI	77.69 MB	jdk-8u60-linux-arm32-vfp-hflt.tar.gz
Linux ARM v8 Hard Float ABI	74.64 MB	jdk-8u60-linux-arm64-vfp-hflt.tar.gz
Linux x86	154.66 MB	jdk-8u60-linux-i586.rpm
Linux x86	174.83 MB	jdk-8u60-linux-i586.tar.gz
Linux x64	152.67 MB	jdk-8u60-linux-x64.rpm
Linux x64	172.84 MB	jdk-8u60-linux-x64.tar.gz
Mac OS X x64	227.07 MB	jdk-8u60-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	139.67 MB	jdk-8u60-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.02 MB	jdk-8u60-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	140.18 MB	jdk-8u60-solaris-x64.tar.Z
Solaris x64	96.71 MB	jdk-8u60-solaris-x64.tar.gz
Windows x86	180.82 MB	jdk-8u60-windows-i586.exe
Windows x64	186.16 MB	jdk-8u60-windows-x64.exe



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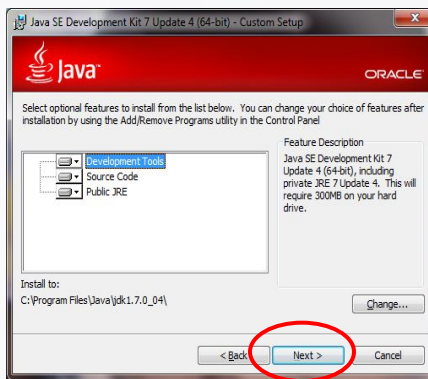
2. Install Java

1. Double click to run the download file
2. Just follow the prompt in Installer window

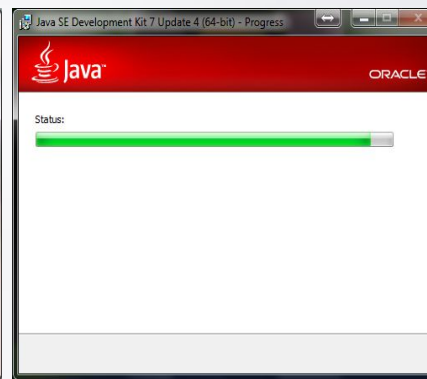
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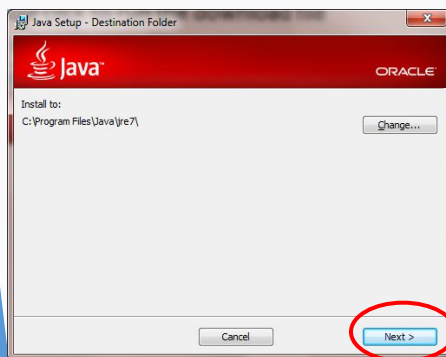
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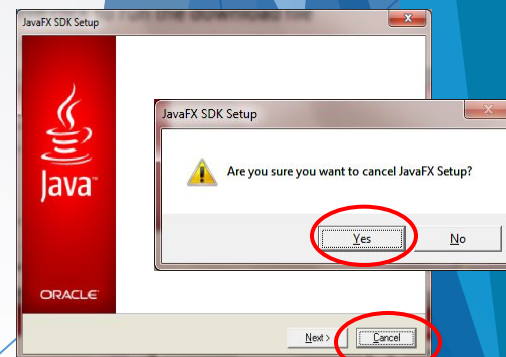
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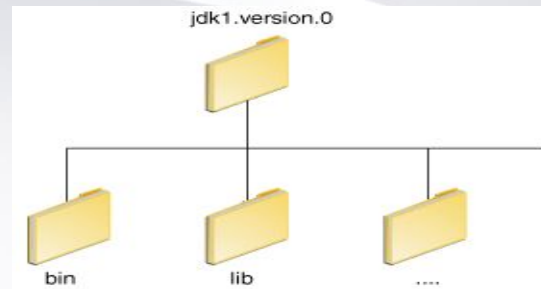


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3.Set Path

- After installing the software, the JDK directory will have the structure shown below.



- The bin directory contains both the compiler and the launcher. The path environmental variable should be updated to include path to bin in PATH variable. This is not mandatory, but highly recommended for convenience.
- It is useful to set the PATH variable permanently so it will persist after rebooting.
- To set the PATH variable permanently, add the full path of the jdk1.8.0\bin directory to the PATH variable. Typically, this full path looks something like C:\Program Files\Java\jdk1.8.0\bin in Windows o/s.
- Refer: <http://docs.oracle.com/javase/tutorial/essential/environment/paths.html> to learn how to do this.



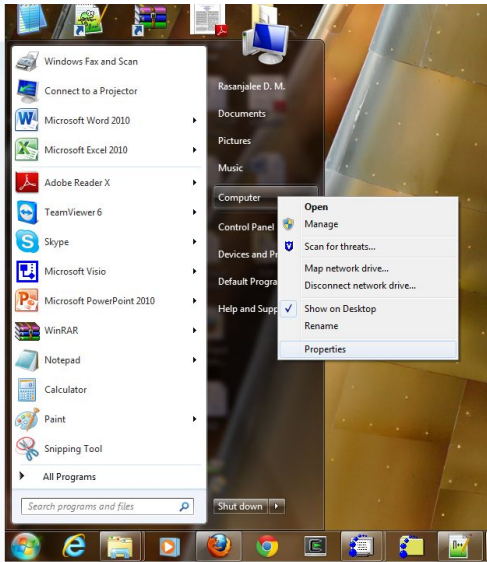
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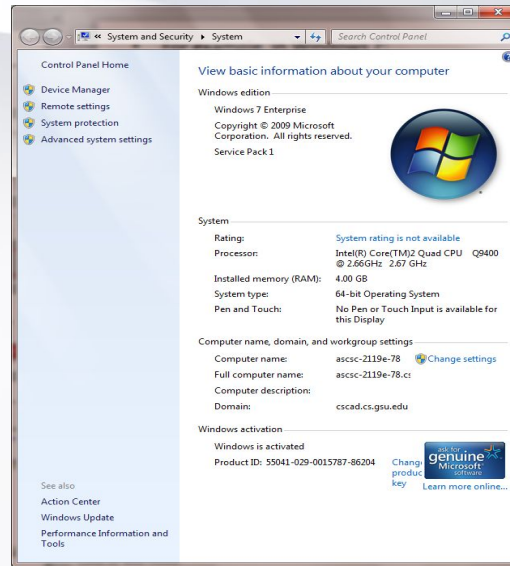
► For example, in Windows 7:

REF: <http://docs.oracle.com/javase/7/docs/webnotes/install/windows/jdk-installation-windows.html#Check>

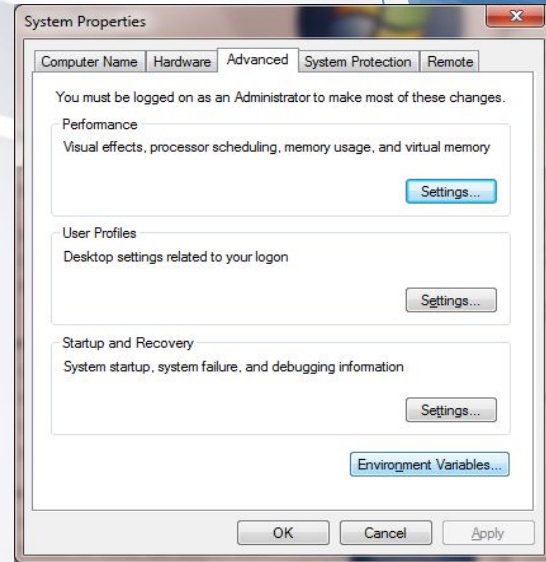
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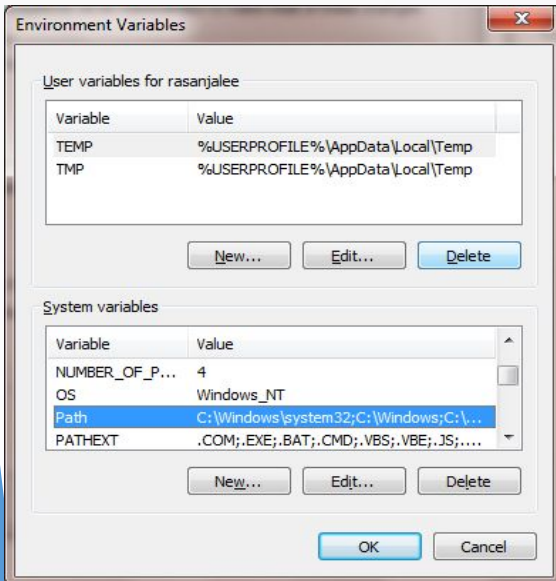
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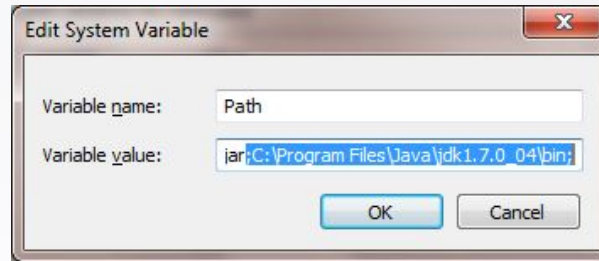
3.



4.



5.



Add the location of the bin folder of the JDK installation for the PATH variable in **System Variables** in Environmental variables.

The following is a typical value for the PATH variable:

C:\WINDOWS\system32;C:\WINDOWS;C:\Program Files\Java\jdk1.8.0\bin

Verify Installation

- ▶ Go to command prompt and type *javac*
- ▶ It should display javac usage with options if installed correctly

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\rasanjalee>javac
Usage: javac <options> <source files>
where possible options include:
  -g                    Generate all debugging info
  -g:none              Generate no debugging info
  -g:<lines,vars,source> Generate only some debugging info
  -nowarn              Generate no warnings
  -verbose             Output messages about what the compiler is doing
  -deprecation         Output source locations where deprecated APIs are used
  -classpath <path>   Specify where to find user class files and annotations
  -cp <path>          Specify where to find user class files and annotations
  -sourcepath <path>  Specify where to find input source files
  -bootclasspath <path> Override location of bootstrap class files
  -extdirs <dirs>     Override location of installed extensions
  -endorseddirs <dirs> Override location of endorsed standards path
  -proc:<none,only>   Control whether annotation processing and/or compilation is done.
  -processor <class1>[,<class2>,<class3>...] Names of the annotation processors to run; bypasses default discovery process
  -processorpath <path> Specify where to find annotation processors
  -d <directory>      Specify where to place generated class files
  -s <directory>      Specify where to place generated source files
  -implicit:<none,class> Specify whether or not to generate class files for implicitly referenced files
  -encoding <encoding> Specify character encoding used by source files
  -source <release>   Provide source compatibility with specified release
  -target <release>   Generate class files for specific VM version
  -version            Version information
  -help              Print a synopsis of standard options
  -Akey[=value]      Options to pass to annotation processors
  -X                 Print a synopsis of nonstandard options
  -J<flag>           Pass <flag> directly to the runtime system
  -Werror            Terminate compilation if warnings occur
  @<filename>        Read options and filenames from file

C:\Users\rasanjalee>
```



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Eclipse Download

1. Open your web browser
2. Type URL: <https://eclipse.org/downloads/> to go to Eclipse download page
3. Click on one of this buttons. This will lead you to Eclipse download page <https://eclipse.org/downloads/download.php?file=/oomph/epp/mars/R1a/eclipse-inst-win64.exe>

The screenshot shows the Eclipse website's download page. At the top, there is the Eclipse logo and navigation links: GETTING STARTED, MEMBERS, PROJECTS, and MORE. A search bar is located on the right. Below the navigation, there is a breadcrumb trail: HOME / DOWNLOADS. The main content area features a banner for the Eclipse Installer, with the text "Try the Eclipse Installer" and "NEW". Below the banner, there are download links for Mac OS X, Windows, and Linux. The Windows section is circled in red, showing options for 32 bit and 64 bit. A "FREE FOR EARLY ADOPTERS" badge is visible on the right side of the page. Below the download links, there is a section for "RELATED LINKS" with links to "Compare & Combine Packages", "New and Noteworthy", and "Install Guide".



Eclipse Download

4. Click on this button. This will start the download process.
5. Save file on disk.

HOME / DOWNLOADS / ECLIPSE DOWNLOADS - SELECT A MIRROR

Eclipse downloads - Select a mirror

All downloads are provided under the terms and conditions of the **Eclipse Foundation Software User Agreement** unless otherwise specified.

Download from: **Germany - University of Erlangen-Nuremberg** (http) **OR**

File: eclipse-inst-win64.exe

Checksums: MD5 SHA1 SHA-512

DOWNLOAD

Choose a mirror close to you

Europe

- Ireland - HEAnet
- France - CNRS IBCP
- Netherlands - SNT, University of Twente
- Germany - University of Applied Sciences Esslingen
- Poland - Grupa Onet.pl S.A.
- Switzerland - SWITCHmirror
- Czech Republic - CZ.NIC
- Turkey - Linux Kullanicilari Dernegi
- Italy - GARR
- United Kingdom - UK Mirror Service
- Czech Republic - UPC Ceska republika, a.s.
- Netherlands - Triple IT

Bring Analytics to Your App
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Download Now

OTHER OPTIONS FOR THIS FILE

- All mirrors (xml)
- Direct link to file (download starts immediately from best mirror)

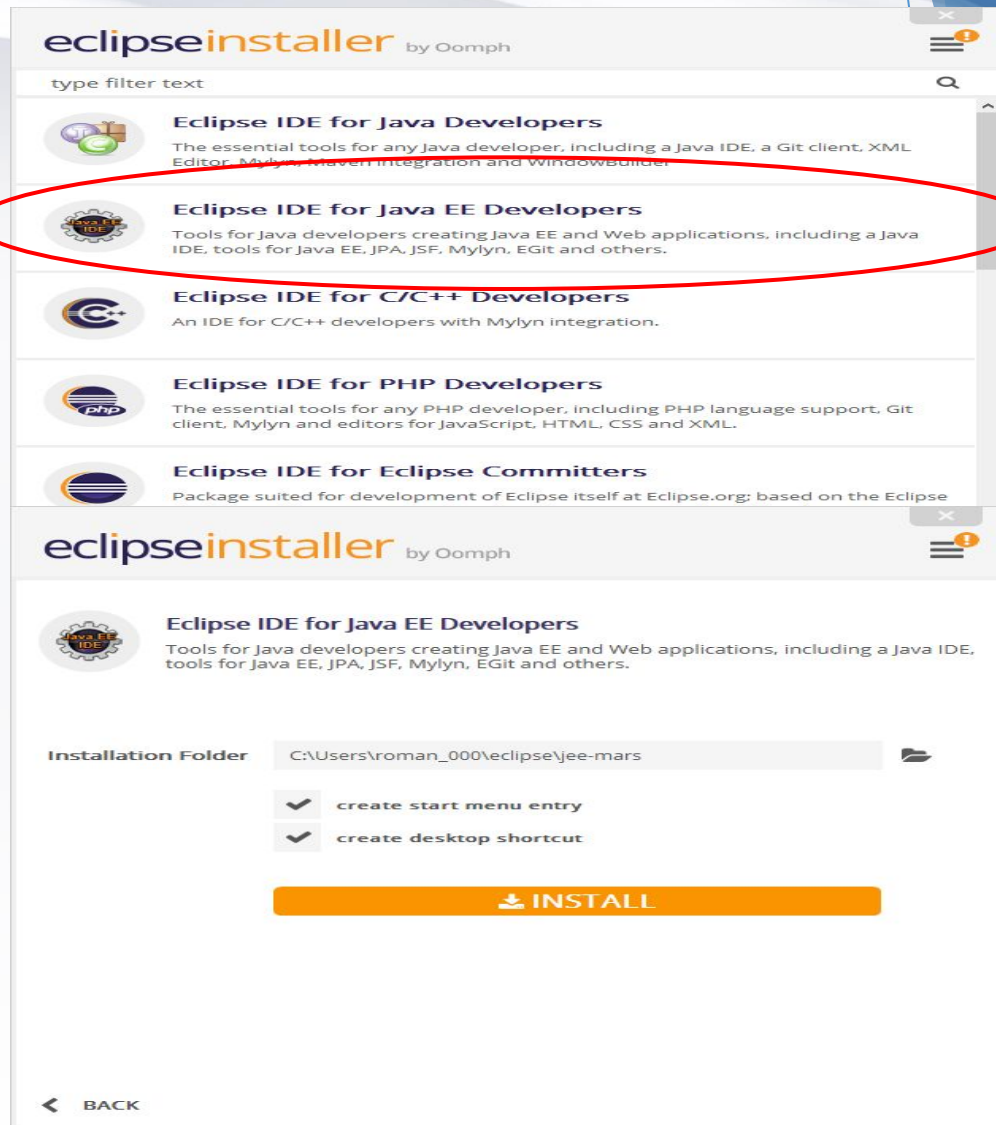
RELATED LINKS

- Friends of Eclipse
- Becoming a mirror site
- Updating and installing



Eclipse Install

1. Run eclipse-inst.exe file.
2. You will see the list of possible versions. Choose this.
3. Choose installation directory and click on the “Install” button.



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