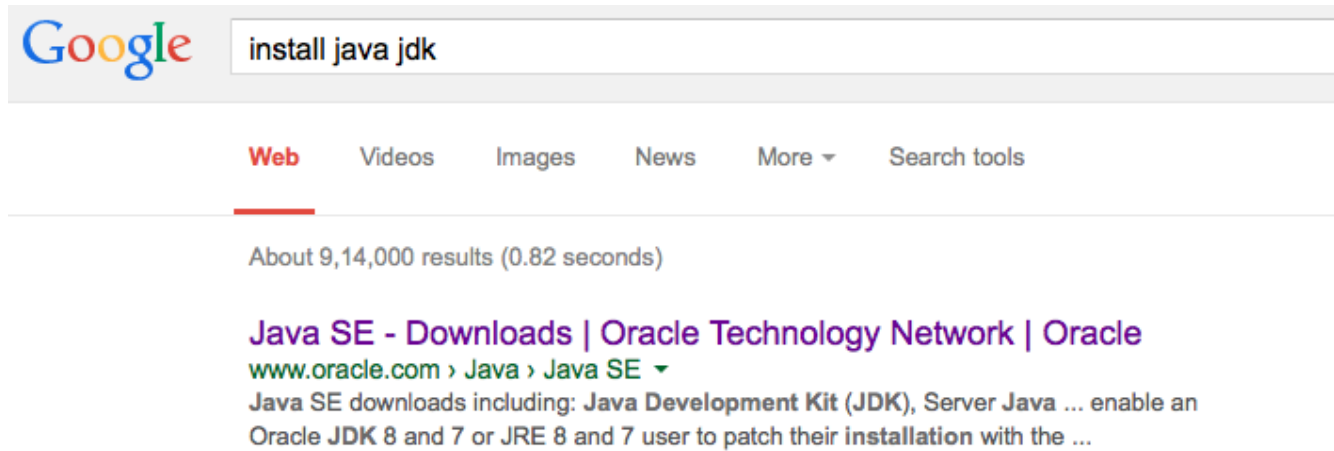## Software specifications

Chapter number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then cost of the software	Download links to the software	**Hardware specifications**	OS required
ALL	Java 8	Free			http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html	Any modern PC or Laptop	Windows or Mac or Linux
ALL	Eclipse	Free			https://eclipse.org/downloads/	Any modern PC or Laptop	Windows or Mac or Linux
ALL	PostMan	Free			https://www.getpostman.com/apps	Any modern PC or Laptop	Windows or Mac or Linux
7	Mongodb	Free			https://www.mongodb.com/	Any modern PC or Laptop	Windows or Mac or Linux
9	git 2.13	Free				Any modern PC or Laptop	Windows or Mac or Linux
9, 10	erlang	Free			http://www.erlang.org/downloads	Any modern PC	Windows or

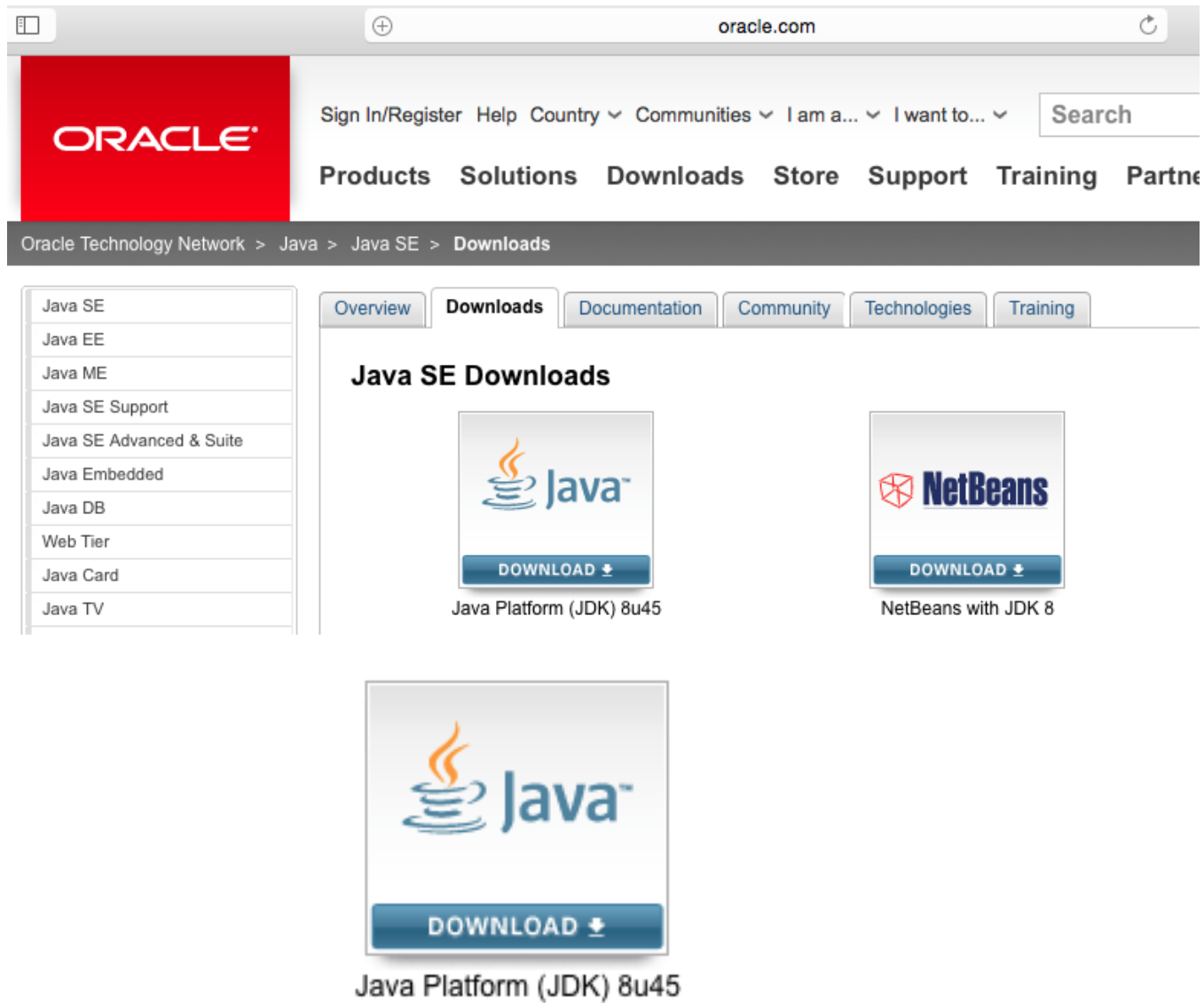|						or Laptop	Mac or Linux
9, 10	RabbitMQ 3.6	Free			https://www.rabbitmq.com/releases/rabbitmq-server/v3.6.10/rabbitmq-server-3.6.10.exe	Any modern PC or Laptop	Windo ws or Mac or Linux
13	Kotlin for eclipse 0.8.2	Free			https://marketplace.eclipse.org/content/kotlin-plugin-eclipse	Any modern PC or Laptop	Windo ws or Mac or Linux

Detailed installation steps (software-wise)

Installing Java

1. All commands should be run without double quotes.

2. Search for "install java jdk" on google.

Google   install java jdk

Web   Videos   Images   News   More ▾   Search tools

About 9,14,000 results (0.82 seconds)

Java SE - Downloads | Oracle Technology Network | Oracle
www.oracle.com › Java › Java SE ▾
Java SE downloads including: **Java Development Kit (JDK)**, Server Java ... enable an
Oracle **JDK** 8 and 7 or JRE 8 and 7 user to patch their **installation** with the ...

3. Choose the first result from Google

4. Select the Java Platform JDK Link.

5. Accept the license agreement.

Java SE Development Kit 8u45

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

○ Accept License Agreement   ◉ Decline License Agreement

6. Choose the Java Install for your Operating System. If you are windows 64 bit operating system, choose the Windows x64 java.

Linux x86	146.89 MB	jdk-8u45-linux-i586.rpm
Linux x86	166.88 MB	jdk-8u45-linux-i586.tar.gz
Linux x64	145.19 MB	jdk-8u45-linux-x64.rpm
Linux x64	165.24 MB	jdk-8u45-linux-x64.tar.gz
Mac OS X x64	221.98 MB	jdk-8u45-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	131.73 MB	jdk-8u45-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	92.9 MB	jdk-8u45-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	139.51 MB	jdk-8u45-solaris-x64.tar.Z
Solaris x64	95.88 MB	jdk-8u45-solaris-x64.tar.gz
Windows x86	175.98 MB	jdk-8u45-windows-i586.exe
Windows x64	180.44 MB	jdk-8u45-windows-x64.exe

7. Wait for the download to complete. Double click the file from the downloads folder. For Windows jdk-8u45-windows-x64.exe

8. Java Installer would launch up. Click Continue.

9. Click install on the next screen

10. Have a coffee and wait for the installation to complete. When the installation is complete, you would see the screen below:

Click close. We are ready to Rock and Roll. Do a Dance.

11. If you are on Windows : Open the Command Prompt window by clicking the Start button , clicking All Programs, clicking Accessories, and then clicking Command Prompt. (or use Ctrl + Esc, and type in cmd and launch up command)

12. If you are on Mac or other OS, launch up Terminal.

13. Type in the command "java –version" as shown in the screen. If it does not work, go to the trouble shooting section.

```
Rangas-MacBook-Pro:~ rangaraokaranam$ java -version
java version "1.8.0_31"
Java(TM) SE Runtime Environment (build 1.8.0_31-b13)
Java HotSpot(TM) 64-Bit Server VM (build 25.31-b07, mixed mode)
```

14. Troubleshooting:

    a. Check if there are any pre-existing Java installs. Uninstall them and reinstall again.

    b. Temporarily turn off firewalls and antivirus software.

    c. If you get file corrupt message, download the installation file again.

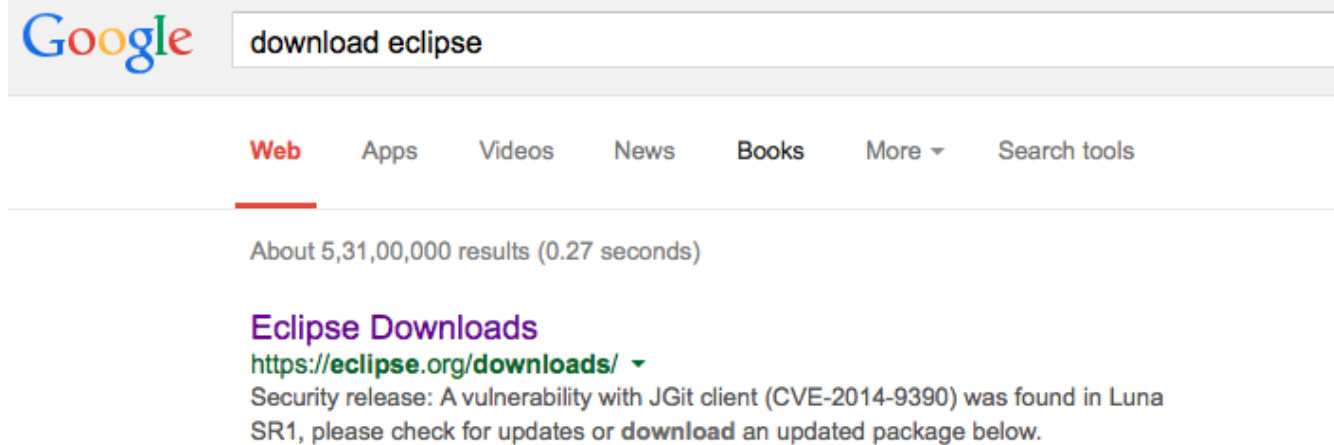   d. Check if you are on 32-bit OS or 64-bit OS and ensure you are making use of the right java download.

Installing Eclipse

1. Check if Java is installed properly. Type in the command "java –version" as shown in the screen. If it does not work, go to the trouble shooting section

```
Rangas-MacBook-Pro:~ rangaraokaranam$ java -version
java version "1.8.0_31"
Java(TM) SE Runtime Environment (build 1.8.0_31-b13)
Java HotSpot(TM) 64-Bit Server VM (build 25.31-b07, mixed mode)
```

of Java or Reinstall Java.

2. Search google for "download eclipse" and choose the first result.

Google | download eclipse

Web   Apps   Videos   News   Books   More ▾   Search tools

About 5,31,00,000 results (0.27 seconds)

Eclipse Downloads
https://**eclipse**.org/**downloads**/ ▾
Security release: A vulnerability with JGit client (CVE-2014-9390) was found in Luna
SR1, please check for updates or **download** an updated package below.

3. Choose the right Operation System.

Package Solutions

Eclipse Luna SR2 (4.4.2) Release for [Windows   ⬍]

Eclipse IDE for Java Developers

155 MB   3,892,954 DOWNLOADS

The essential tools for any Java developer, including a Java IDE, a CVS client,
Git client, XML Editor, Mylyn, Maven integration...

Windows
⬇   32 bit | 64 bit

Eclipse IDE for Java EE Developers

254 MB   2,083,405 DOWNLOADS

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

Windows
⬇   32 bit | 64 bit

4. We recommend to choose "Eclipse IDE for Java EE Developers". Choose 32 bit or 64 bit based on your operating system. (Right-click My Computer, and then click Properties. If "x64 Edition" is listed under System, your processor is capable of running a 64-bit version of Windows.)

5. Wait for the download to complete. Extract the zip file to a folder (Example : c:\eclipse).

6. Note that there is a **known problem** with the built-in decompression utility on all current versions of **Windows**. We recommend that you use a more robust decompression utility such as the open source **7zip** when decompressing an Eclipse download. Some people report success when initially decompressing Eclipse into a root directory (e.g. c:\) and then moving it to a more appropriate home (e.g. c:\Program Files\Eclipse)

7. Refer to Troubleshooting section of https://wiki.eclipse.org/Eclipse/Installation for more details about troubleshooting Installations

Installing PostMan

1. Postman now offers native Mac / Windows / Linux Apps. Unlike the Chrome app, the native apps are packaged with add-ons that make request capturing and cookie handling seamless.

2. To install go to https://www.getpostman.com/apps, and click 'Download Postman for Mac / Windows / Linux'. (Depending on your platform)

3. The download should take a few minutes, depending on your internet connection.

4. Once you've downloaded the app, you can install and launch Postman like any other native app.