

Software specifications

Chapter #	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
*	CURL	Free	-	-	https://curl.haxx.se/download.html	64 bit CPU Architecture	Win, MacOSX, Linux
*	Java 8	Free	-	-	http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html	64 bit CPU Architecture	Win, MacOSX, Linux
*	Maven	Free	-	-	https://maven.apache.org/download.cgi	64 bit CPU Architecture	Win, MacOSX, Linux
**	Eclipse Neon	Free	-	-	http://www.eclipse.org/downloads/packages/eclipse-ide-java-ee-developers/neon3	64 bit CPU Architecture	Win, MacOSX, Linux
*	MySQL Community Edition	Free	-	-	https://dev.mysql.com/downloads/mysql/	Minimum disk space 1.2 GB	Win, MacOSX, Linux
*	Redis	Free	-	-	http://download.redis.io/releases/redis-4.0.1.tar.gz	64 bit CPU Architecture	MacOS and Linux (Windows is not officially supported)

***	Scala IDE for Eclipse	Free	-	-	http://scala-ide.org/download/sdk.html	64 bit CPU Architecture	Win, MacOSX, Linux
7	Android Studio	Free	-	-	https://developer.android.com/studio/index.html	64 bit CPU Architecture	Win, MacOSX, Linux
*	Git	Free	-	-	https://git-scm.com/downloads	64 bit CPU Architecture	Win, MacOSX, Linux

** : Software/hardware requirements that applies to the majority of chapters. Chapter 7 requires additional tools to develop Android apps.*

*** : Readers can also use IntelliJ IDE or Netbeans (all the source code isn't bound to any specific IDE, although Eclipse is recommended because it was used to write and run all the recipes).*

****: Just for chapter 2 and 4*

Detailed installation steps (software-wise)

The steps should be listed in a way that it prepares the system environment to be able to test the codes of the book.

1. CURL (Just for Windows because Linux and MacOS natively comes with CURL):
 - a. Go to Win64 Generic section in Download page and select the link referencing Win64 x86_64 zip.
 - b. Extract the zip file within any directory of your preference
 - c. Change Path environment variable to consider the source where you have installed CURL. If you extracted to C:, it should be at C:\curl-7.53.1\src\curl.exe
 - d. Now you are ready to run CURL commands at command line on Windows
2. Installing Redis on Linux and Mac OS X
 - a. Download a stable version of Redis by running the following command
 - b. **wget <http://download.redis.io/redis-stable.tar.gz>**
 - c. Unpack redis-stable by running: **tar xvzf redis-stable.tar.gz**
 - d. Run **cd redis-stable**

- e. And run the command **make**
- f. All the executable files will be available within bin subdirectory of **redis-stable** dir.

Note: *All the other tools are detailed within respective chapter.*