

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
1	Java 8 (latest)	Free	N/A	\$0	http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html	N/A	Windows/Mac OSX
1	Simple Build Tool (sbt) (0.13.x)	Free	N/A	\$0	http://www.scala-sbt.org/download.html	N/A	Windows/Mac OSX
1	Docker (1.12.x)	Free	N/A	\$0	http://www.docker.com/products/overview	N/A	Windows/Mac OSX
1	PostgreSQL (latest)	Free	N/A	\$0	Installed via Docker	N/A	Windows/Mac OSX
4	Cassandra (3.5)	Free	N/A	\$0	Installed via Docker	N/A	Windows/Mac OSX
5	Elasticsearch (2.3)	Free	N/A	\$0	Installed via Docker	N/A	Windows/Mac OSX
9	ConductR Sandbox	Free (for development purposes)	N/A	\$0	Installed via Docker	N/A	Windows/Mac OSX

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. Java 8:
 - a. Download a Java 8 SE Development Kit for whatever OS you are running (Windows or Mac OSX)
 - b. Run the installer and go through all of the steps
2. Simple Build Tool
 - a. If you are on a Mac, you can install either via Homebrew or via Macports. Instructions below:
 - i. Homebrew: `brew install sbt`
 - ii. Macports
 - b. On either Windows or Mac, you can just download an archive (zip, tgz) and then run the following set of instructions:
<http://www.scala-sbt.org/0.13/docs/Manual-Installation.html>
3. Docker
 - a. Check out one of the following links (based on OS) to decide if you will install either Docker Toolkit or one of the native apps (Docker for Mac, Docker for Windows):
 - i. Mac: <https://docs.docker.com/docker-for-mac/docker-toolbox/>
 - ii. Windows: <https://docs.docker.com/docker-for-windows/>
 - b. If installing a native Docker app, download and run the installer which will then start Docker when done
 - c. If installing Docker Toolbox, download and run the installer. When done, launch Docker Quickstart Terminal.
4. PostgreSQL
 - a. This application will be installed automatically via Docker as part of the setup instructions for Chapter 1
5. Cassandra
 - a. This application will be installed automatically via Docker as part of the setup instructions for Chapter 4
6. Elasticsearch
 - a. This application will be installed automatically via Docker as part of the setup instructions for Chapter 5
7. ConductR sandbox
 - a. The reader will need to first signup for a Lightbend developer account in order to get the latest version of the sandbox.
 - b. After that, this application will be installed automatically via Docker as part of the setup instructions for Chapter 9