

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
Chapter 1-3	Java 8, Spring Boot 2.0, Spring Boot CLI	Free and open source	-	-	<a href="http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html">http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html</a>	Minimum Free 4GB RAM	Windows 8 or above
Chapter 1-15	Spring Tool Suite Version: 3.9.4.RELEASE	Free	-	-	<a href="https://spring.io/tools/sts/all">https://spring.io/tools/sts/all</a>	Minimum Free 4GB RAM Optimum Free 8 GB RAM	Windows 8 or above
Chapter 1-15	<ul style="list-style-type: none"> <li>• Spring Tool Suite Version: 3.9.4.RELEASE</li> <li>• Java 8</li> <li>• Tomcat 8</li> </ul>	Free	-	-	<a href="https://tomcat.apache.org/download-80.cgi">https://tomcat.apache.org/download-80.cgi</a>	Minimum Free 4GB RAM Optimum Free 8 GB RAM	Windows 8 or above
Chapter 1-15	Spring Boot 2.0, Spring Cloud, Docker, Java 8	Free	-	-	<a href="https://spring.io/">https://spring.io/</a>	Minimum Free 4GB RAM Optimum Free 8 GB RAM	Windows 8 or above
ALL	Maven 3.5.0	Free	-	-	<a href="https://maven.apache.org/download.cgi">https://maven.apache.org/download.cgi</a>	Free 4GB RAM	Windows 8 or above

## Detailed installation steps

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

- Software Spring Tool Suite Version: 3.9.4.RELEASE:
  1. Download the latest version of Spring Tool Suite (STS) from <https://spring.io/tools/sts/all> according to your system OS.
  2. Extract ZIP or Tar file in your system directory.
- Software Java 8:
  1. Download Java 8 from the <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html> according to your system OS.
  2. Install Java 8 at your system.
  3. You can also system variables (PATH and JAVA\_HOME) for Java
- Software Docker Virtual Box:
 

<https://docs.docker.com/docker-for-windows/install/>

  - a) Download Docker Virtual Box for Window/Mac

- b) Install it.
- Software Elastic/Logstash/Kibana <https://www.elastic.co/downloads>
  - a) Download Elastic, Logstash, and Kibana
  - b) Extract these into system
- Software Maven 3.5.0: <https://maven.apache.org/download.cgi>
  - a) Download maven
  - b) Extract in the System directory
  - c) Set System variables (MAVEN\_HOME and PATH)
- Software GitBash: Download for checkout the source code for Chapters form the GITHUB.