

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	Nil	NA	NA	NA	NA	NA	NA
2	Nil	NA	NA	NA	NA	NA	NA
3	<ul style="list-style-type: none"> JDK 1.8 Spring Tool Suite 3.8.2 (STS) Maven 3.3.1 Spring Framework 5.0.0.RC1 Spring Boot 2.0.0. SNAPSHOT spring-boot-cli-2.0.0.SNAPSHOT-bin.zip Rabbit MQ 3.5.6 http://nilhcem.github.io/FakeSMTP 2.0 	Free				Common Linux Note: Examples are tested on Mac laptop (8GB RAM) but should work on Linux / Windows by using appropriate commands. Yosemite	Linux / Mac OS

						10.10.5	
4	Nil	NA	NA	NA	NA	NA	NA
5	Nil	NA	NA	NA	NA	NA	NA
6	Same as 3	Free				Common Linux Note: Examples are tested on Mac laptop (8GB RAM) but should work on Linux / Windows by using appropriate commands. Yosemite 10.10.5	Linux / Mac OS
7	<ul style="list-style-type: none"> Spring Cloud Dalston RELEASE. 	Free				Common Linux Note: Examples are tested	

						on Mac laptop (8GB RAM) but should work on Linux / Windows by using appropriate commands. Yosemite 10.10.5	
8	<ul style="list-style-type: none"> • elasticsearch-1.5.2 • kibana-4.0.2-darwin-x64 • logstash-2.1.2 	Free				Common Linux Note: Examples are tested on Mac laptop (8GB RAM) but should work on Linux / Windows by using appropriate	

						commands. Yosemite 10.10.5	
9	<ul style="list-style-type: none"> • Docker version (17.03.1-ce) • Docker Hub 	Free				Common Linux Note: Examples are tested on Mac laptop (8GB RAM) but should work on Linux / Windows by using appropriate commands. Yosemite 10.10.5	
10	<ul style="list-style-type: none"> • Mesos version 1.2.0 • Docker version 17.03.1-ce • Marathon Version 3.4.9 	Free				Common Linux Note: Examples are tested	

						on Mac laptop (8GB RAM) but should work on Linux / Windows by using appropriate commands. Yosemite 10.10.5	
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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. JDK 1.8:
 - a. Download from the link: <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
 - b. Double click and follow instructions to install.
2. Spring Tool Suite 3.8.2 (STS)
 - a. Download from the link: <https://spring.io/tools/sts/all>
 - b. Double click and follow instructions to install
3. Maven 3.3.1
 - a. Download from the link: <https://maven.apache.org/download.cgi>
 - b. Unzip into a folder and set PATH variable to the BIN folder.
4. Spring Framework 5.0.0.RC1
 - a. Add dependency in the pom.xml. No installation required.

5. Spring Boot 2.0.0. SNAPSHOT
 - a. Add dependency in the pom.xml. No installation required.
6. spring-boot-cli-2.0.0.SNAPSHOT-bin.zip
 - a. Download from the link and follow the instructions:
<https://docs.spring.io/spring-boot/docs/current/reference/html/getting-started-installing-spring-boot.html#getting-started-installing-the-cli>
7. Rabbit MQ 3.5.6
 - a. Download from the link and follow the instructions: <https://www.rabbitmq.com/download.html>
8. Fake FTP:
 - a. Download from the link <http://nilhcem.github.io/FakeSMTP> 2.0
 - b. Follow instructions as per the site.
9. Spring Cloud Dalston RELEASE
 - a. Add dependency in the pom.xml. No installation required.
10. elasticsearch-1.5.2
 - a. Download from the link <https://www.elastic.co/downloads/past-releases/elasticsearch-1-5-2>
 - b. Follow the instructions in the site
11. kibana-4.0.2-darwin-x64
 - a. Download from the link <https://www.elastic.co/downloads/past-releases>
 - b. Follow the instructions in the site
12. logstash-2.1.2
 - a. Download from the link <https://www.elastic.co/downloads/past-releases/logstash-2-1-2>
 - b. Follow the instructions in the site
13. Docker version (17.03.1-ce)
 - a. Follow instructions in the site: <https://docs.docker.com/docker-for-mac/install/>
14. Mesos version 1.2.0
 - a. Follow instructions in the site: <http://mesos.apache.org/gettingstarted/>
15. Marathon Version 3.4.9
 - a. Follow instructions in the site: <https://mesosphere.github.io/marathon/docs/>