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| 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 |
|----------------|----------------------------------|------------------|--|---|---|---|-----------------------|
| 1-11 | IntelliJ Idea 2018.2.4 | Free | NA | NA | https://www.jetbrains.com/idea/download | <ul style="list-style-type: none"> • 2 GB RAM minimum, 4 GB RAM recommended • 1.5 GB hard disk space + at least 1 GB for caches • 1024x768 minimum screen resolution | Windows, Linux, macOS |
| 6-9 | Heroku CLI 7.16.0 | Free | NA | NA | https://devcenter.heroku.com/articles/heroku-cli | A system with 4 GB RAM | Windows, Linux, macOS |
| 10-11 | Spark 2.3.1 | Free | NA | NA | https://www.apache.org/dyn/closer.lua/spark/spark-2.3.1/spark-2.3.1-bin-hadoop2.7.tgz | A system with 4 GB RAM | Windows, Linux, macOS |
| 11 | Zeppelin 0.8.0 | Free | NA | NA | http://www.apache.org/dyn/closer.cgi/zeppelin/zeppelin-0.8.0/zeppelin-0.8.0-bin-all.tgz | A system with 4 GB RAM | Windows, Linux, macOS |
| 11 | Kafka 1.1.0 | Free | NA | NA | https://archive.apache.org/dist/kafka/1.1.0/kafka_2.11-1.1.0.tgz | A system with 4 GB RAM | Windows, Linux, macOS |

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