

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
1-10	Python 3.6 or above	Free	-	-	https://python.org	Modern Operating System: Windows 7 or 10, Mac OS X 10.11 or higher, 64-bit Linux: RHEL 6/7, 64-bit (almost all libraries also work in Ubuntu), x86 64-bit CPU (Intel / AMD architecture), 4 GB RAM, 5 GB free disk space.	Any
10	Apache Kafka	Free	-	-	https://kafka.apache.org/	8 GB RAM, 4 cores CPU, 500 GB Disk space, 1 GbE-10 GbE Network.	Any

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. Python:

1. Download the latest version of Python for your platform from the Python official website, on Windows or MacOS, or install using your

distribution's package manager on Linux.

2. On Windows or MacOS, run the Python installer.

2. Apache Kafka:

1. Download the source from the Kafka website.

2. Extract the code and navigate to the newly created directory.

3. Follow the instructions on the Kafka website to start the ZooKeeper server and Kafka server: <https://kafka.apache.org/quickstart>.