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| Chapter number | Software required (With version) | **Hardware specifications** | OS required |
| 1 | N/A | N/A | N/A |
| 2 | N/A | N/A | N/A |
| 3 | Hadoop 2.x | Commodity server for a single node cluster implementation | Ubuntu 12.x |
| 4 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 5 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 6 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 7 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 8 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 9 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 10 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 11 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 12 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |
| 13 | R (2.15.1), Apache Mahout (0.9), Python(sckit-learn), Julia(0.3.4) and Apache Spark (with Scala 2.10.4) | Commodity Server | Ubuntu / Windows |