# SOFTWARE/HARDWARE LIST:-

| Chapter Name | Chapter number | Software required (With version) | Hardware specifications | OS required |
|---|---|---|---|---|
| Introducing Elastic Stack | 1 | ·　　　Elasticsearch 6.0 Kibana 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |
| Gettin g started with ElasticSearch | 2 | ·　　　Elasticsearch 6.0 Kibana 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |
| Searc hing what is relevant | 3 | ·　　　Elasticsearch 6.0 Kibana 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |
| Analytics with ElasticSearch | 4 | ·　　　Elasticsearch 6.0 Kibana 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |

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| Analyzing log data | 5 | · Elasticsearch 6.0 Logstash 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |
| Building data pipelines with Logstash | 6 | · Elasticsearch 6.0 Logstash 6.0 Filebeat 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |
| Visual izing data with Kibana | 7 | · Elasticsearch 6.0 Kibana 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |
| Elastic X-Pack | 8 | · Elasticsearch 6.0 Xpack 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |
| Buildi ng a sensor data analytics application | 9 | · Elasticsearch 6.0 | Either 32 or 64 bit architecture, 2+ GHz CPU, 8GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |

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| Running Elastic Stack in Production | 10 | · Elasticsearch 6.0<br>· Optional plugins compatible with Elasticsearch 6.0: discovery-ec2 , repository-s3, repository-hdfs, repository-azure | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |
| Monitoring Server Infrastructure | 11 | Metricbeat 6.0<br>Kibana 6.0<br>· Elasticsearch 6.0<br>· JDK 1.8_0_73 and above | Either 32 or 64 bit architecture, 2+ GHz CPU, 4GB RAM, at least 10GB of hard disk space available | Windows, Mac or Linux |