

ASPIRE TECHNOLOGY

ISO 9001: 2015 Certified Training Institute

HADOOP ADMIN

Duration: 60 hours

Batches: Weekdays/ Weekend

Hadoop Distributed File System & Installing Hadoop on single node

- HDFS Architecture
- HDFS internals and use cases
- HDFS Daemons
- Files and blocks
- Name node memory concerns
- Secondary name node
- HDFS access options
- Installing and configuring Hadoop
- Hadoop daemons
- Basic Hadoop commands
- Hands-on exercise

Cloud computing overview and installing Hadoop on multiple nodes

- Cloud computing overview
- SaaS/PaaS/IaaS
- Characteristics of cloud computing
- Cluster configurations
- Configuring Masters and Slaves
- Introduction to HBase, Zookeeper & Sqoop
- HBase overview, architecture & installation
- HBase admin: test
- HBase data access
- Overview of Zookeeper
- Sqoop overview and installation

- Importing and exporting data in Sqoop
- Hands-on exercise

Advanced administration concepts

- Whereabouts on hardware monitoring and failures
- Whereabouts on software monitoring and failures
- Hadoop cluster monitoring
- Adding and removing servers and upgrading Hadoop
- Backup, recovery, and business continuity planning
- Cluster configuration tweaks
- Hardware maintenance schedule
- Oozie scheduling for administrators
- Securing your cluster with Kerberos
- The future of Hadoop