Document Generated: 11/03/2026

Learning Style: On Demand

Technology:

Difficulty: Beginner

Course Duration: 3 Hours

Hadoop Fundamentals



About this course:

The ‘Hadoop Fundamentals’ is an ideal course package for individuals who want to understand the basic concepts of Big Data and Hadoop. On completing this course, learners will be able to interpret what goes behind the processing of huge volumes of data as the industry switches over from excel-based analytics to real-time analytics.

The course focuses on the basics of Big Data and Hadoop. It further provides an overview of the commercial distributions of Hadoop as well as the components of the Hadoop ecosystem.

Course Objective:

- Understand the characteristics of Big Data
- Describe the basics of Hadoop and HDFS architecture
- List the features and processes of MapReduce
- Learn the basics of Pig, Hive and HBase
- Explore the commercial distributions of Hadoop
- Understand the key components of the Hadoop ecosystem
- Get introduced to Sqoop & ZooKeeper

Audience:

'Hadoop Fundamentals' course is meant for professionals who intend to gain a basic understanding of Big Data and Hadoop. It is ideal for professionals in senior management who requires a theoretical understanding of how Hadoop can solve their Big Data problem.

Prerequisite:

- There are no prerequisites for this course.

Course Outline:

Chapter 01 - Hadoop Architecture

Topic A: Prerequisites - Part 1

- Prerequisites - Part 2
- Prerequisites - Part 3

Topic B: Introduction - Part 1

- Introduction - Part 2
- Introduction - Part 3

Topic C: History - Part 1

- History - Part 2
- History - Part 3

Topic D: Architecture - Part 1

- Architecture - Part 2
- Architecture - Part 3

Topic E: Ecosystems - Part 1

- Ecosystems - Part 2
- Ecosystems - Part 3

Topic F: Data Delivery in Hadoop - Part 1

- Data Delivery in Hadoop - Part 2
- Data Delivery in Hadoop - Part 3

Topic G: HDFS Basics - Part 1

- HDFS Basics - Part 2
- HDFS Basics - Part 3

Chapter 2 - ETL and MapReduce

Topic A: Big Data Sources And ETL - Part 1

- Big Data Sources And ETL - Part 2
- Big Data Sources And ETL - Part 3

Topic B: ETL Demonstration - Part 1

- ETL Demonstration - Part 2
- ETL Demonstration - Part 3

Topic C: Understanding MapReduce - Part 1

- Understanding MapReduce - Part 2
- Understanding MapReduce - Part 3

Topic D: MapReduce Demonstration - Part 1

- MapReduce Demonstration - Part 2
- MapReduce Demonstration - Part 3

Topic E: Developing MapReduce - Part 1

- Developing MapReduce - Part 2
- Developing MapReduce - Part 3

Topic F: Schedule MapReduce - Part 1

- Schedule MapReduce - Part 2
- Schedule MapReduce - Part 3

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