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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