**Document Generated: 11/12/2026**

**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

## Credly Badge:




**Display your Completion Badge And Get The Recognition You Deserve.**

Add a completion and readiness badge to your Linkedin profile, Facebook page, or Twitter account to validate your professional and technical expertise. With badges issued and validated by Credly, you can:

- Let anyone verify your completion and achievement by clicking on the badge
- Display your hard work and validate your expertise
- Display each badge's details about specific skills you developed.

Badges are issued by QuickStart and verified through Credly.

Find Out More or See List Of Badges