HORTONWORKS DATA PLATFORM (HDP®) ESSENTIALS

1 DAY

BEGINNER   GENERAL AUDIENCE

This **1 day** course details the business value for, and provides a technical overview of, Apache Hadoop. It includes high-level information about concepts, architecture, operation, and uses of the Hortonworks Data Platform (HDP) and the Hadoop ecosystem. The course serves as an optional primer for those who plan to attend a hands-on, instructor-led course.

PREREQUISITES

No previous Hadoop or programming knowledge is required. Students are encouraged to bring their wi-fi enabled laptop pre-loaded with the Hortonworks Sandbox should they want to duplicate demonstrations on their own machine.

TARGET AUDIENCE

Data architects, data integration architects, managers, C-level executives, decision makers, technical infrastructure team, and Hadoop administrators or developers who want to understand the fundamentals of Big Data and the Hadoop ecosystem.

FORMAT

50% Lecture/Discussion

50% Demos/Hands-0n Labs

COURSE OBJECTIVES

- Understand what constitutes "Big Data" and how Hadoop is critical to process & analyze it
- Describe the business value and primary use cases for Hadoop
- Understand how Hadoop fits into your existing infrastructure and processes
- Explore Hadoop ecosystem through HDP's five pillars

    - Data Management: HDFS and YARN
    - Data Access: Spark, Storm, Pig, Hive, Tez, MapReduce, HBase, Accumulo, HCatalog, Kafka, Solr, Mahout and Slider
    - Data Governance & Integration: Atlas, Falcon, Sqoop and Flume
    - Security: Knox and Ranger
    - Operations: Ambari, Oozie and ZooKeeper

- Discuss the value of partner integrations and the Modern Data Architecture
- Learn about the security features that span the Hadoop ecosystem
- Share knowledge to allow decisions to be made of how Hadoop can be used in enterprise use cases and architectures

DEMOS

- Operational Overview with Ambari
- Ingesting Data into HDFS
- Streaming Data into HDFS
- Data Manipulation with Hive
- Risk Factor Analysis with Pig
- Risk Factor Analysis with Spark
- Securing Hive with Ranger

About Hortonworks

Hortonworks is a leading innovator at creating, distributing and supporting enterprise-ready open data platforms. Our mission is to manage the world's data. We have a single-minded focus on driving innovation in open source communities such as Apache Hadoop, NiFi, and Spark. Our open Connected Data Platforms power Modern Data Applications that deliver actionable intelligence from all data: data-in-motion and data-at-rest. Along with our 1600+ partners, we provide the expertise, training and services that allows our customers to unlock the transformational value of data across any line of business. We are Powering the Future of Data™.

Contact

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