

HADOOP DEVELOPER FOUNDATIONS

Course Code: 100682

Learn about the Hadoop ecosystem and how to process large data streams.

Apache Hadoop is a framework for processing Big Data, and Spark is a new in-memory processing engine. This course will introduce you to the Hadoop ecosystem and Spark.

This course explores processing large data streams in the Hadoop ecosystem. Working in a hands-on learning environment, you'll learn techniques and tools for ingesting, transforming, and exporting data to and from the Hadoop ecosystem for processing. You'll also process data using Map/Reduce and other critical tools, including Hive and Pig. Towards the end of the course, we'll review other useful tools such as Oozie and discuss security in the ecosystem.

What You'll Learn

Join an engaging hands-on learning environment, where you'll explore:

- Introduction to Hadoop
- HDFS
- YARN
- Data Ingestion
- HBase
- Oozie
- Working with Hive
- Hive advanced
- Hive in Cloudera/Hortonworks Distribution (or tools of choice)
- Working with Spark
- Spark Basics
- Spark Shell
- RDDs
- Spark Dataframes and Datasets
- Spark SQL
- Spark API programming
- Spark and Hadoop
- Machine Learning (ML/MLlib)
- GraphX
- Spark Streaming

This course has a 50% hands-on labs to 50% lecture ratio with engaging instruction, demos, group discussions, labs, and project work.

Who Needs to Attend

Experienced Developers and Architects seeking to be proficient in Hadoop, Hive, and Spark within an enterprise data environment.

Prerequisites

Before attending this course, you should be:

- Familiar with a programming language
- Comfortable in Linux environment (be able to navigate Linux command line, edit files using vi or nano)



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PRIVATE GROUP TRAINING

4 Day

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