

# Bigdata & Hadoop Overview Crash course:

## Course Overview:

This is a 8 hours instructor lead crash course 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 provides an foundational basics and whole stack overview

## 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.

## Prerequisites

No previous Hadoop or programming knowledge is required. Students will need browser access to the Internet.

## Course Agenda

Big Data Overview

Bigdata use case

Hadoop Overview

HDFS overview

HDFS Architecture

HDFS Features

YARN overview

YARN Architecture

Yarn Features

Hadoop echo system projects

Describe Data Management services

Describe Data Access services

Describe Data Governance & Integration

Describe Security services

Describe Operations services

Demonstration Lab

Data Ingestion

Ingest data using HDFS command

Apache Sqoop overview

Apache Flume Overview

Data Access

Apache Hive Overview

Apache Pig Overview

Apache Spark Overview

Apache Hbase Overview

Data Security

Apache Ranger Overview

Apache Knox overview

MIT Kerberos overview

Live Demonstration :

Spinning up Hadoop cluster, moving data into cluster and processing this with Hive and Pig , integrate with zeppelin and secure with Ranger.

## Course Duration

8 hours (complete Hadoop coverage and demos)

## Cost

CAD 450 or USD 300 (includes taxes)

The costs include the training, material and cloud based lab costs.

Note: Please enquire with us for ongoing promotions, group and early bird prices.