

Big Data Hadoop Course Content

Duration: 60 Hours

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Big Data Hadoop

- ❖ **What is Big Data**
Categories Of 'Big Data', Big data' could be found in three forms:, Structured, Un-structured, Semi-structured
- ❖ **Learn Hadoop**
Hadoop Introduction, Components of Hadoop, HadoopMapReduce, HDFS (HadoopDistributed File System)
- ❖ **Installation**
Learn HDFS
NameNode, DataNode, Read Operation In HDFS, Write Operation In HDFS, Access HDFS using JAVA API, Access HDFS Using COMMAND-LINE INTERFACE
- ❖ **MAPReduce**
Map tasks (Spilts& Mapping), Reduce tasks (Shuffling, Reducing)
- ❖ **First Hadoop Program**
MapReducer Code
Explanation of SalesMapper Class, Defining 'map' function-
- ❖ **Counters & Joins In MapReduce**
Map-side join, Reduce-side join, Hadoop Built-In counters
- ❖ **Program To Join Data**
Flume and Sqoop
Introduction to Floom, Features of Floom, Introduction to SQOOP, Features of Sqoops
- ❖ **HANDS-ON : FLIME**
Pig And Hive
INTRODUCTION TO PIG, INTRODUCTION TO HIVE
- ❖ **Learn OOZIE**
How does OOZIE work?, FEATURES OF OOZIE
- ❖ **Big Data Testing: Functional & Performance**

Note: Project is mandatory it will be completed by Current Faculty.
You can check Syllabus if any topic not covers then you can direct contact to management.

