



3S BUSINESS CORPORATION
3S BUSINESS CORPORATION

HADOOP TRAINING

Presented By

3S Business Corporation Inc

www.3sbc.com

Call us at : 281-823-9222

Mail us at : info@3sbc.com



Table of Contents

S.No	TOPICS
1	Introduction to Hadoop and Big
2	Hadoop Functionalities and commands
3	MapReduce Introduction
4	Introduction to Pig, Hive & Python Mapreduce concepts
5	Developing the MapReduce Application in Java, Pig & Hive
6	Oozie, Sqoop and Flume Introduction & Work flow with Example
7	MapReduce advanced Features
8	Hive, Impala
9	Hbase
10	Usecases on Hadoop for Practice

HADOOP COURSE CONTENT

1. Introduction to Hadoop and Big data (2 days)

- What is Big Data?
- What is Hadoop?
- Why Hadoop?
- History of Hadoop
- Use cases of Hadoop
- Hadoop ecosystem
- HDFS
- MapReduce
- Companies follow Hadoop

2. Hadoop Functionalities and commands (1 day)

- Hadoop fs commands
- 5 daemons
- Writing anatomy
- Reading anatomy
- Rack awareness

3. MapReduce Introduction (1-2 days)

- MapReduce workflow
- Combiner, partitioner
- Introduction to MapReduce programming
- Usecase Explanation

4. Introduction to Pig, Hive & Python Map reduce concepts (1-2 days)

- Pig Map Reduce
- Hive Map Reduce
- Combiner, partitioner in Pig

5. Developing the Map Reduce Application in Java, Pig & Hive (1-2 days)

- Data Types
- File Formats
- Explain the Driver, Mapper and Reducer code
- Configuring development environment - Eclipse
- Running locally
- Running on cluster
- Hands on exercises

6. Oozie, Sqoop and Flume Introduction & Work flow with Example (1-2 days)

- Sqoop workflow
- Flume workflow
- Oozie workflows

7. MapReduce advanced Features (1 day)

- Secondary Sorting
- Joins - Map side and reduce side
- Side data distribution

8. Hive, Impala (1 day)

- Fundamentals
- When to use Hive, Impala and Pig
- Use case

9. Hbase (2 days)

- Introduction to Hbase
- Architecture and advanced concepts
- Hbase + Hadoop Mapreduce

10. Usecases on Hadoop for Practice (1 day)