Hadoop Course Curriculum

Introduction

- Overview of Bigdata and Hadoop
- Hadoop Ecosystem
- Type of Data
- Characteristics of Bigdata

HDFS:

- Architecture and Components
- Concepts(Block Storage and Replication)
- Advanced Concepts(HA, Federation)
- HDFS Commands
- Hands-on/Demo for all the above topics

YARN:

- Architecture and Components
- Difference between HDP 1.x and HDP 2.x
- Lifecycle of Yarn Application

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Map-Reduce:

- Architecture and Components
- Working of Map-Reduce(Map Phase and Reduce Phase)
- Wordcount problem

Hive:

- Architecture and Components
- Data Types
- Types of Tables
- Types of File Formats
- Concepts(Partitioning and Bucketing)
- Joins(All types of joins)
- Hands-on/Demo for all the above topics

Sqoop:

- Overview of Sqoop
- Architecture and Components
- Import tool
- Export tool
- Hands-on/Demo for all the above topics

Oozie:

- Overview of Oozie
- Defining oozie workflow
- Hands-on/Demo for all the above topics

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