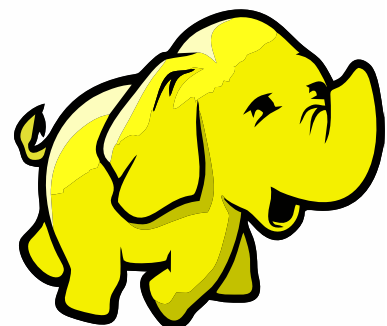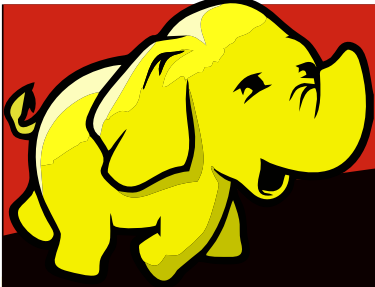This program guide to
Building a career in
BIG DATA

COURSE CONTENT

A streamlined range of courses with hands-on-experience to help you learn and implement data analytics for career or business growth.

Part-1 Hadoop Developer

1. Meet Hadoop
2. MapReduce
3. The Hadoop Distributed File System (HDFS
4. Hadoop I/O
5. Developing a MapReduce Application
6. How MapReduce Works
7. MapReduce Types and Formats
8. MapReduce Features
9. Setting Up a Hadoop Cluster
10. Administering Hadoop
11. Pig
12. Hive
13. Hbase
14. ZooKeeper
15. Sqoop
16. Flume

Part-2 Hadoop Admin

1. The Case for Apache Hadoop
2. Hadoop Distributed File System
3. MapReduce
4. Overview of the Hadoop Ecosystem
5. Planning your Hadoop Cluster
6. Hadoop Installation
7. Advanced Configuration
8. Hadoop Security
9. Managing and Scheduling Jobs
10. Cluster Maintenance
11. Cluster Monitoring and Troubleshooting
12. Populating HDFS From External Sources
13. Installing and Managing Other Hadoop Projects
14. Hadoop Distributed File System (HDFS)

Hadoop Data Analytics

1. Introduction
2. Hadoop Fundamentals
3. Introduction to Pig
4. Basic Data Analysis with Pig
5. Processing Complex Data with Pig
6. Multi-Dataset Operations with Pig
7. Extending Pig
8. Pig Troubleshooting and Optimization
9. Introduction to Hive
10. Relational Data Analysis with Hive
11. Hive Data Management
12. Text Processing with Hive
13. Hive Optimization
14. Extending Hive
15. Introduction to Impala
16. Analyzing Data with Impala
17. Choosing the Best Tool for the Job