

Course Content for Big Data Hadoop Development

Introduction to Big Data

1. Why is Big Data important? What is Big Data? Characteristics of Big Data. Why should you care about Big Data? What are possible options for analyzing big Data?

Comparison between Hadoop Versus RDBMS

2. Traditional Relational Systems
3. Problems with traditional Relational systems

Introduction of Hadoop

4. What is Hadoop? History of Hadoop. How does Hadoop solve Big Data problem? Components of Hadoop
5. What is HDFS? How HDFS works? Understand the Basic Architecture.
6. What is Mapreduce? How Mapreduce works?
7. How Hadoop works as a framework?

Introduction to Data Analysis using Hadoop

8. VMsetup
9. Setting up Virtual Machine
10. Installing Hadoop Eco-system on a single node.
11. Understanding the configuration for single node and multi-node installation.
12. What is Pig? How it works? Analyze data using Pig.
13. What is Hive? How it works? Analyze data using Hive.

14. What is Mapreduce? How it works? An Example. Repeated
15. What is Flume? How it works? An example.
16. What is Sqoop? How it works .An example
17. What is Oozie? How it works. An example.

Implementing Hadoop Eco System

18. Hands On exercise.
19. Running your first MapReduce Program
20. Understand how partitioners and combiners function in MapReduce
21. Hands-on using Pig , Hive, MapReduce and Sqoop.
22. Planning your Hadoop cluster. Hardware and Software considerations.
23. Scheduling in Hadoop
24. Monitoring your Hadoop Cluster
25. SQL vs NoSQL-Hbase
26. Sqoop – Sqoop Excercises
27. NoSQL -Hbase Excercises
28. Zookeeper, Flume & Oozie, Streaming Technologies
29. Spark , kafka- Spark , kafka Lab
30. Monitoring tools available
31. Monitoring best practices
32. Administration Best practices

33. Hadoop Administration best practices

34. Tools of the trade

Trainer's Profile: Trainer is Working Consultant from IBM with 10+ years of Consulting and Training Experience. Learning Hub strictly follows the policy of employing working Hadoop Professional as a Trainer and by this only we can maintain the quality of the training.

Course Duration: 6 Weeks (Around 45 Hours) of Class Room Training.

Course Fee: 20,000 INR.

Mode of Payment: Cash, Cheque, Credit Card

Trainer's Contact Details: Ph. +91-9325793756

(Email: info@hadoopsoftraining.com):

Mode of Training: This would be a class Room Based Training and all class will be covered Practical Hands on.

Hadoop Server Access: We required student to come up with system or Laptop and we will install Hadoop Software on the same.

Books and Study Material: Hadoop School of Training will provide all Study Material and Books for this course in Soft Copy format.

Self-Practice Required: If you are looking to get into Hadoop Developer roles so please dedicated 100-150 Hrs. of Self-study and Practice in order to get command on the system and then only you can easily clear's Hadoop Developer's Interviews.

Background Need to get into this course: This course suits to the people who are coming from Technical Degree Background (BE, MCA, MSc. etc.). Having Java Understanding helps, but it's not mandatory for the course.