ABOUT BIGDAT HADOOP COURSE

RS Trainings is a One of the best quality Hadoop training center for online, Classroom and Corporate trainings In Hyderabad . We are providing Hadoop training through world wide. **Rstrainings** is excellent **Hadoop training center in Hyderabad**.After course we will give support for certification, Resume preparation and how to prepare for interviews

Who Can Learn Bigdata hadoop

- Professionals in Testing field
- Software Developers
- Professionals from Analytics background
- Datawarehousing Professionals
- Professionals from SAP BI background.

With the growing era of technology and need to constantly update oneself to outstand in the competitive market, **RS Trainings** has come to existence to provide people the knowledge about the latest trends in technology . We provide a team of trainers who will put across a thorough and detailed idea about the respective technical courses that you wish to explore .

Our work doesnot end here. **RS Trainings** gives an opportunity to work on real time projects which would be guided by our real time trainers. A technical back end team would always be available to answer your queries at any point of time and will also assist you to arrange your training sessions

Hadoop Course More Information

In **RS Trainings** all trainers are well experts and providing training with practically..Here we are teaching In Hadoop Course from basic to advance . Our real time trainers fulfill your dreams and create professionally driven environment. In Hadoop training we are providing sample live projects, Hadoop materials, explaining real time Hadoop scenarios, Interview skills...We are providing Best **Hadoop Training in Hyderabad**, India

Why RStrainings For Hadoop ?

RS Trainings is a **best training center for Hadoop** given corporate trainings to different reputed companies. In Hadoop training all sessions are teaching with examples and with real time scenarios. We are helping in real time how approach job market, Hadoop Resume preparation, Bigdata Hadoop Interview point of preparation, how to solve problem in Hadoop projects in job environment, information about job market etc. Training also providing **classroom Training in Hyderabad** and online from anywhere. We provide all recordings for classes, materials, sample resumes, and other important stuff. **Hadoop Online Training** We provide Hadoop online training through worldwide like India, USA, Japan, UK, Malaysia, Singapore, Australia, Sweden, South Africa, and etc. Hadoop Corporate Training RStrainings providing corporate training world wide depending on Company requirements with well experience real time experts.

HADOOP COURSE CONTENT

Hadoop Online training-Complete Course Details HDFS and MAPREDUCE.
1.Introduction to BIG DATA and Its characteristics
- 4 V's of BIG DATA(IBM Definition of BIG DATA)
- What is Hadoop?
- Why Hadoop?
- Core Components of Hadoop
- Intro to HDFS and its Architecture
- Difference b/w Code Locality and Data Locality
- HDFS commands
- Name Node's Safe Mode
- Different Modes of Hadoop
- Intro to MAPREDUCE
- Versions of HADOOP
- What is Daemon?
- Hadoop Daemons?
- What is Name Node?
- What is Data Node?
- What is Secondary name Node?
- What is Job Tracker?
- What is Task Tracker?
- What is Edge computer in Hadoop Cluster and Its role
- Read/Write operations in HDFS
- Complete Overview of Hadoop1.x and Its architecture
- Rack awareness
- Introduction to Block size
- Introduction to Replication Factor(R.F)
- Introduction to HeartBeat Signal/Pulse
- Introduction to Block report
- MAPREDUCE Architecture

- What is Mapper phase?
- What is shuffle and sort phase?
- What is Reducer phase?
- What is split?
- Difference between Block and split
- Intro to first Word Count program using MAPREDUCE
- Different classes for running MAPREDUCE program using Java
- Mapper class
- Reducer Class and Its role
- Driver class
- Submitting the Word Count MAPREDUCE program
- Going through the Jobs system output
- Intro to Partitioner with example
- Intro to Combiner with example
- Intro to Counters and its types
- Different types of counters
- Different types of input/output formats in HADOOP
- Use cases for HDFS & MapReduce programs using Java
- Single Node cluster Installation
- Multi Node cluster Installation
- Introduction to Configuration files in Hadoop and Its Imp.
- Complete Overview of Hadoop2.x and Its architecture
- Introduction to YARN
- Resource Manager
- Node Manager
- Application Master(AM)
- Applications Manager(AsM)
- Journal Nodes
- Difference Between Hadoop1.x and Hadoop2.x
- High Availability(HA)
- Hadoop Federation

2.PIG
- The difference between MAPREDUCE and PIG
- When to go with MAPREDUCE?
- When to go with PIG?
- PIG data types
- What is field in PIG?
- What is tuple in PIG?
- What is Bag in PIG?
- Intro to Grunt shell?
- Different modes in PIG
- Local Mode
- MAPREDUCE mode
- Running PIG programs
- PIG Script
- Intro to PIG UDFs
- Writing PIG UDF using Java
- Registering PIG UDF
- Running PIG UDF
- Different types of UDFs in PIG
- Word Count program using PIG script

Use cases for PIG scripts

3.HIVE
 Intro to HIVE
 Why HIVE?
 History of HIVE
 Difference between PIG and HIVE
 HIVE data types
 Complex data types
 What is Metastore and its importance?
 Different types of tables in HIVE
 Managed tables
 External tables
 Running HIVE queries
 Intro to HIVE partitions
 Intro to HIVE Buckets
 How to perform the JOINS using HIVE queries
 Intro to HIVE UDFs
 Different types of UDFs in HIVE
 Running HIVE queries for Word Count example
 Use cases for HIVE

4.HBASE
 Intro to HBASE
 Intro to NoSQL database
 Sparse and dense Concept in RDBMS
 Intro to columnar/column oriented database
 Core architecture of HBase
 Why Hbase?
 HDFS vs HBase
 Intro to Regions, Region server and Hmaster
 Limitations of Hbase
 Integration with Hive and Hbase
 Hbase commands
 Use cases for HBASE

5.FLUME
 Intro to Flume
 Intro to Sink, Source, Flume Master and Flume agents
 Importance of Flume agents
 Live Demo on copying LOG DATA into HDFS

6.SQOOP
 Intro to Sqoop
 Importing and exporting the RDBMS into HDFS
 Intro to incremental imports and its types
 Use cases to import the Mysql data into HDFS

7.ZOOKEEPER
- Intro to Zookeeper
- Zookeeper operations

8.OOZIE
- Intro to Oozie
- What is Job.properties
- What is workflow.xml
- Scheduling the jobs in Oozie
- Scheduling MapReduce, HIVE,PIG jobs/Programs using Oozie.
- Setting up the VMware for Hadoop
- Installing all Hadoop Components
- Intro to Hadoop Distributions
- Intro to Cloudera and its major components

9.Spark
- What is Spark Ecosystem
- What is Scala and its utility in Spark
- What is SparkContext
- How to work on RDD in Spark
- How to run a Spark Cluster
- Comparison of MapReduce vs Spark

10.Tableau
- Tableau Fundamentals
- Tableau Analytics
- Visual Analytics
- Connecting
- Hadoop Integration with Tableau

Here we are providing "**Hadoop online training in Hyderabad**","**Hadoop class room training in Hyderabad**, "**Hadoop corporate training in India**", **hadoop Class Room Training in Madhapur**, **Hadoop Online Training in Madhapur**,In India Online services providing in top cities like Banglore,Chennai,Pune, Mumbai , Delhi, Etc,