

Hadoop (Big Data) Course Details

By [Besant Technologies](#)

Course Name	Hadoop Developer & Admin
Category	Open-Source Software Framework (DWH)
Venue	Besant Technologies
Address	No.24, Nagendra Nagar, Velachery Main Road, Velachery, Chennai – 600 042 Landmark – Opposite to Phoenix Market City
Official URL	Hadoop Training
Demo Classes	At Your Convenience
Training Methodology	20% Theory & 80% Practical
Course Duration	40-45 Hours
Class Availability	Weekdays & Weekends
For Demo Class	Call - +91-996 252 8293 / 94 Email ID – besanttech@gmail.com

Why Besant Technologies?

- Training by highly experienced and certified professionals
- No slideshow (PPT) training, fully Hand-on training
- Interactive session with interview QA's
- Real-time projects scenarios & Certification Help
- Most competitive & affordable course fees
- Placement support for all courses
- List of established & satisfied clients & students ([Visit our website for reviews](#)).

Hadoop Developer Training Outline

Introduction to Hadoop

- Hadoop Distributed File System
- Hadoop Architecture
- MapReduce & HDFS

Hadoop Eco Systems

- Introduction to Pig
- Introduction to Hive
- Introduction to HBase
- Other eco system Map

Hadoop Developer

- Moving the Data into Hadoop
- Moving The Data out from Hadoop
- Reading and Writing the files in HDFS using java program
- The Hadoop Java API for MapReduce
 - Mapper Class
 - Reducer Class
 - Driver Class
- Writing Basic MapReduce Program In java
- Understanding the MapReduce Internal Components
- Hbase MapReduce Program
- Hive Overview
- Working with Hive
- Pig Overview
- Working with Pig
- Sqoop Overview
- Moving the Data from RDBMS to Hadoop
- Moving the Data from RDBMS to Hbase
- Moving the Data from RDBMS to Hive
- Flume Overview
- Moving The Data from Web server Into Hadoop
- Real Time Example in Hadoop
- Apache Log viewer Analysis
- Market Basket Algorithms

Hadoop Admin Training Outline

- Big Data Overview
- Introduction In Hadoop and Hadoop Related Eco System.
- Choosing Hardware For Hadoop Cluster nodes
- Apache Hadoop Installation
 - Standalone Mode
 - Pseudo Distributed Mode
 - Fully Distributed Mode
- Installing Hadoop Eco System and Integrate With Hadoop
 - Zookeeper Installation
 - Hbase Installation
 - Hive Installation
 - Pig Installation
 - Sqoop Installation
 - Installing Mahout
- Horton Works Installation
- Cloudera Installation
- Hadoop Commands usage
- Import the data in HDFS
- Sample Hadoop Examples (Word count program and Population problem)
- Monitoring The Hadoop Cluster
 - Monitoring Hadoop Cluster with Ganglia
 - Monitoring Hadoop Cluster with Nagios
 - Monitoring Hadoop Cluster with JMX
- Hadoop Configuration management Tool
- Hadoop Benchmarking