Hadoop (Big Data) Course Details

By Besant Technologies

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

- Training by highly experienced and certified professionals
- No slideshow (PPT) training, fully Hands-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