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The Comprehensive HBase certification Training is designed for everyone who want to enhance their skills and knowledge about the NoSQL database. The HBase training provides information about the HBase architecture, integration with Hive, data analytics, Work on real-life industry projects and monitoring cluster using Zookeeper. The HBase is an open source, NoSQL and non- relational database that run on top of the Hadoop as a scalable big data store.

The HBase training enable the delegates to deploy several HBase Data models. The delegates learn how to use load utility to load a file in the system. Throughout the HBase training, the delegates will get familiar with latest modules such as how NoSQL differs from the traditional database system, the Non-relational database and comparison of HBase with HDFS and in-depth information of Apache HBase.

The delegates also understand how to load data from several tools including Hive, Pig and Sqoop in the HBase system. The delegates will learn about the HBase shell, HBase API, primary and advanced operations. With the help of HBase training, the delegates will get to know about the implementation of HBase in HDFS and also understand how to apply Zookeeper to monitor clusters.

## Prerequisites

For attending the Comprehensive HBase certification training, the delegates should have basic knowledge of Big Data, Core Java and prior experience of NoSQL databases.

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## Course Objectives

- NoSQL basic concepts and HBase architecture
- Master core concepts of NoSQL to work on real-time data analytics
- Deploy the HBase shell to manipulate HBase tables directly
- Learn how to perform Data Analytics by using the HBase
- Understand the tight integration between the HBase and HDFS
- Understand the HBase API and HBase Shell
- HBase Cluster and its various components
- Work on HBase with a secure data consistency on reads and writes
- Deploy master nodes to manage region servers that distribute and process parts of data tables
- Professionally deploy and manage Hbase for an organization

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- Introduction to HBase and HDFS
- Storage Mechanism
- HBase and RDMS
- Application of HBase
- HBase Architecture

### Installing HBase

### Overview of HBase Shell

- General Commands
- Data Definition Language
- Data Manipulation Language

### HBase Admin API

### Basics of HBase Tables

- Creating Tables
- Listing Tables
- Disabling and Enabling Table
- Dropping a Table

### HBase Describe and Alter

### HBase Exists and Shutting Down

### Client API Basics

### Overview of HBase Data

- Create Data
- Update Data
- Read Data
- Delete Data

### HBase Scan and Security Basics

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