



HDP Operations: Apache HBase Advanced Management

Training Calendar

Date	Training Time	Location
22 July 2019	4 Days	Bilginç IT Academy
02 December 2019	4 Days	Bilginç IT Academy

Training Details

Training Time	:	4 Days
Capacity	:	12
Prerequisites	:	HDP Operations: Apache HBase Advanced Management

About Training

About Training

This course is designed for administrators who will be installing, configuring and managing HBase clusters. It covers installation with Ambari, configuration, security and troubleshooting HBase implementations. The course includes an end-of-course project in which students work together to design and implement an HBase schema.

What You'll Learn

At the completion of the course students will be able to:

- A Hadoop Primer
- Describe Hadoop, Hortonworks, and Big Data
- Describe HDFS and YARN
- Discussion: Running Applications in the Cloud

- Apache HBase Overview
- Provisioning the Cluster
- Using the HBase Shell
- Ingesting Data
- Operational Management
- Backup and Recovery
- Security
- Monitoring HBase and Diagnosing Problems
- Maintenance
- Troubleshooting

Who Should Attend

Architects, software developers, and analysts responsible for implementing non-SQL databases in order to handle sparse datasets commonly found in big data use cases.

Outline

- Installing and Configuring HBase with Ambari
- Manually Installing HBase (Optional)
- Using Shell Commands
- Ingesting Data using ImportTSV
- Enabling HBase High Availability
- Viewing Log Files
- Configuring and Enabling Snapshots
- Configuring Cluster Replication
- Enabling Authentication and Authorization
- Diagnosing and Resolving Hot Spotting
- Region Splitting
- Monitoring JVM Garbage Collection
- End-of-Course Project: Designing an HBase Schema