



HDP Operations: Apache HBase Advanced Management HOMB9S

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.

HDP Operations: Apache HBase Advanced Management

Price USD \$3,200

Links to local schedules, pricing and [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # HOMB9S

Category Big Data

Duration 4 days

Audience

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

Prerequisites

- Students must have basic familiarity with data management systems. Familiarity with Hadoop or databases is helpful but not required. Students new to Hadoop are encouraged to take the HDP Overview: Apache Hadoop Essentials course.

Course objectives

- Hadoop Primer
 - Hadoop, Hortonworks, and Big Data
 - 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

Course outline

Hands-On Labs

- 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

Learn more at

hpe.com/us/training/bigdata