



# HDP Analyst: Apache HBase Essentials HOMC4S

This course is designed for big data analysts who want to use the HBase NoSQL database which runs on top of HDFS to provide real-time read/write access to sparse datasets. Topics include HBase architecture, services, installation and schema design.

## HDP Analyst: Apache HBase Essentials

**Price** USD \$1,600

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

**HP course #** HOMC4S

**Category** Big Data

**Duration** 2 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 attend the HDP Overview: Apache Hadoop Essentials course.

## Course objectives

- How HBase integrates with Hadoop and HDFS
- Architectural components and core concepts of HBase
- HBase functionality
- Installing and configuring HBase
- HBase schema design
- Importing and exporting data
- Backup and recovery
- Monitoring and managing HBase
- How HBase integrates with Apache ZooKeeper
- HBase services and data operations
- Optimizing HBase Access

## Course outline

### Hands-On Labs

- Using Hadoop and MapReduce
- Using HBase
- Importing Data from MySQL to HBase
- Using Apache ZooKeeper
- Examining Configuration Files
- Using Backup and Snapshot
- HBase Shell Operations
- Creating Tables with Multiple Column Families
- Exploring HBase Schema
- Blocksize and Bloom filters
- Exporting Data
- Using a Java Data Access Object Application to Interact with HBase

Learn more at

**[hpe.com/us/training/bigdata](http://hpe.com/us/training/bigdata)**