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Cloudera Certified Specialist in Apache HBase (CCSHB) Certification Training

BONUS! Cyber Phoenix Subscription Included: All Phoenix TS students receive complimentary ninety (90) day access to the Cyber Phoenix learning platform, which hosts hundreds of expert asynchronous training courses in Cybersecurity, IT, Soft Skills, and Management and more!

Course Overview

Our 4-day, instructor-led course is designed for both network developers and network administrators. It covers the following:

- Best practices for identifying & resolving performance bottlenecks
- How to deploy & manage Apache HBase
- How to use & manipulate HBase tables
- How to design the most optimal schemes for data storage & recovery
- When to use Hadoop, HBase & RDBMS

This course will prepare you for the CCSHB® Certification exam.

Schedule

Currently, there are no public classes scheduled. Please contact a Phoenix TS Training Consultant to discuss hosting a private class at 301-258-8200.



PhoenixTS

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Course Outline

Hadoop Overview

- Breakdown of Big Data
- Apache Hadoop

Apache HBase Overview

- Details of Apache HBase
- HBase and RDBMS
- Using HBase

Administration API - HBase

- The HBase Shell
- Constructing Tables
- Java API
- Administration Calls

Data Access through HBase API

- API Usage
- Extracting Data – Shell, Java API, and Thrift API
- Data Adding and Updates through the Shell
- Driving Data from the Shell, Java API, and Thrift API
- Adding and Updating Data with the API
- Scan and Advanced API
- Using Eclipse

Architecture of HBase

- Component Cluster
- HBase Scales
- Write and Read Paths
- Compactions and Splits

HBase Configuration and Installation

- Installation Process
- HBase Hardware Considerations
- Configuration Process
- MapReduce and HBase Clusters
- Disaster Recovery and Replication

Design Types

- RDBMS to HBase Schema

- Application-Centric
- Row Key

HBase Schema Design

- Column Families
- Considerations for Schema Design
- Hotspotting

HBase Ecosystem

- OpenTSDB
- Kiji
- HBase and Hive

Exam Information

CCSHB Certification Exam 400 Details:

- Number of Questions: 45
- Passing Score: 69%
- Test Duration: 90 minutes
- Test Delivery: Pearson VUE

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