HDP Analyst: Apache HBase

Overview
This participatory workshop introduces HBase basics, structure and operations in an intensely hands-on experience guided by an HBase expert.

Course Objectives
• Describe the components and core concepts of HBase
• Select appropriate RowKeys and Column Families
• Describe the function of components in the HBase Architecture
• Choose appropriate BlockSize
• Use BloomFIlters
• Optimize HBase Access

Hands-On Labs
• HBase Shell Operations
• Importing Data from MySQL to HBase
• Creating Tables with Multiple Column Families
• Exploring HBase Schema
• Using Zookeeper
• Using a Java Data Access Object Application to Interact with HBase

Duration
2 days

Target Audience
Architects, software developers, and analysts responsible for implementing non-SQL databases in order to handle sparse data sets 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.

Format
35% Lecture/Discussion
65% Hands-on Labs

Certification
Hortonworks offers a comprehensive certification program that identifies you as an expert in Apache Hadoop. Visit *hortonworks.com/training/certification* for more information.

Hortonworks University
Hortonworks University is your expert source for Apache Hadoop training and certification. Public and private on-site courses are available for developers, administrators, data analysts and other IT professionals involved in implementing big data solutions. Classes combine presentation material with industry-leading hands-on labs that fully prepare students for real-world Hadoop scenarios.