KOENIG SOLUTIONS · COURSE OUTLINE

Apache HBase

Learn to design, access and manage HBase tables, tune performance and integrate HBase with Hive and Impala on Hadoop clusters.

COURSE OVERVIEW

This course introduces Hadoop and HBase, covering HBase tables and the HBase shell before moving into core architecture and schema design. It then addresses data access through the HBase API, both basic and advanced features, followed by how HBase operates on a cluster, including reads, writes and performance tuning. Later modules cover administration and cluster management, replication and backup, and using Hive and Impala alongside HBase.

WHO THIS COURSE IS FOR

- Database Administrators
- Data Engineers
- Hadoop Developers
- System Administrators
- Big Data Analysts

COURSE SYLLABUS

14 Modules

01

Introduction to Hadoop and HBase

02

HBase Tables

03

The HBase Shell

04

HBase Architecture Fundamentals

05

HBase Schema Design

06

Basic Data Access with the HBase API

07

More Advanced HBase API Features

08

HBase on the Cluster

09
HBase Reads and Writes

10
HBase Performance Tuning

11
HBase Administration and Cluster Management

12
HBase Replication and Backup

13
Using Hive and Impala with HBase

14
Conclusion

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

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