Learn by Example: HBase - The Hadoop Database

Modality: On Demand

Duration: 5 Hours

About the course:

Taught by a team comprising 2 ex-Flipkart Lead Analysts, ex-Googlers and 2 Stanford-educated. This team has decades of experience in the field working on big data analysis jobs.

Relational DB is so old and stuffy! Welcome to the HBase-A New Age database solution.

HBase: Do you believe your relational DB no longer gives you the versatility that you need? Column based storage, low latency, and no set schema make HBase a great option for your app's user-definable needs.

Course Objective:

· CRUD in and with the Java API, MapReduce, Counters, Filters

· 25 Examples resolved to address all facets of data operating in HBase

Use HBase to implement your own Social Network notification service

HBase and its position in the Hadoop ecosystem, HBase design and what separates HBase from RDBMS as well as other Hadoop technologies such as Hive.

Audience:

· Engineers interested in switching away from RDBMS and using HBase for their DB solution

· Everyone involved in learning HBase, NoSQL and the centralized control of databases

· People who use Hadoop ecosystem methods for analytical analysis and want OLAP and OLT to have one unified framework

Prerequisite:

· You will need a bit of Java programming experience

· You'll require an IDE to execute Java code, Eclipse and Intellij IDEA are both strong choices

Course Outline:

- You, This Course and Us

- Introduction to HBase
- CRUD operations using the HBase Shell
- CRUD operations using the Java API
- HBase Architecture
- Advanced operations - Filters and Counters
- MapReduce with HBase
- Build a Notification Service
- Installing Hadoop in a Local Environment
- Appendix

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