



HBase Professional Training with HandsOn (Practical)

Training Key Features	Training Key Features
1. 24/7 Course Access for lifetime	7. Any New module will be without additional charge (In this training list only)
2. As interactive as Classroom training	8. No travel and Hassel
3. Very Cost effective	9. Learn as per your comfort
4. No PPT's at all, advanced way of teaching	10. Real Hands On
5. In depth explanation of each topic	11. Practice at Home using Virtual Machine
6. Contains Hands on session	

Module: 1 NOSQL Introduction and Implementation: Available (Length 56 Minutes)

1. What is NoSQL?
2. NoSQL Characteristics or Common Traits
3. Categories of NoSQL DataBases
 - Key-Value Database
 - Document DataBase
 - Column Family DataBase
 - Graph DataBase
4. Aggregate Orientation : Perfect fit for NoSQL
5. NOSQL Implementation
6. Key-Value Database Example and Use
7. Document DataBase Example and Use
8. Column Family DataBase Example and Use
9. What is Polyglot persistence?

Module: 2 Part A HBase Introduction: Available (Part-1 Length 48 Minutes)

1. Fundamentals of HBase
2. Usage Scenario of HBase
3. Use of HBase in Search Engine
4. HBase Data Model
 - Table and Row
 - Column Family and Column Qualifier
 - Cell and its Versioning
 - Regions and Region Server
5. HBase Designing Tables
6. HBase Data Coordinates

7. Versions and HBase Operation
 - Get/Scan
 - Put
 - Delete

Module: 2 Part B HBase Introduction: Available (Part-2 Length-37 Minutes)

1. Fundamentals of HBase
2. Usage Scenario of HBase
3. Use of HBase in Search Engine
4. HBase Data Model
 - Table and Row
 - Column Family and Column Qualifier
 - Cell and its Versioning
 - Regions and Region Server
5. HBase Designing Tables
6. HBase Data Coordinates
7. Versions and HBase Operation
 - Get/Scan
 - Put
 - Delete

Module 3: HBase Shell and Java API understanding: Available (Length-47 Minutes)

1. Introduction to HBase Shell and Some Commands
2. HBase Java API (Insert the data to HBase tables)
3. HBase connection pooling
4. RowKey
5. HBase Co-ordinates
6. HBase write path
 - a. WAL (Write ahead log)
 - b. Memstore
 - c. HFile

Module: 4 HBase Data Model and Key-Value: Available (Length-38 Minutes)

1. HBase Data Model
2. HBase Key-Value
3. Reading HBase Data
4. HBase Read Path
 - BlockCache
 - MemStore
 - HFile
5. Deleting Data

6. HBase Housekeeping

- Minor Compaction
- Major Compaction

Module 5: HBase Java API in detail: Available (Length-43 Minutes)

1. Use of GET and SCAN API
2. Scan API in detail
3. Optimized way to Scan HBase table
 - Restrict Results
 - Caching for Scan
 - Batching for Scan
 - Limit Based on Size
4. Discuss ResultScanner and Result object
5. Lease Period
6. Hedged Read
7. Introduction to Filter

Module 6 : HBase Regions and RegionServer : Available (Length-24 Minutes)

1. HBase Regions
2. HBase RegionServer

Module 7 : HBase Regions and RegionServer : Available (Length-18 Minutes)

1. Finding Rows in Regions
2. Finding -ROOT- and -META- tables
3. Regions Split
4. Workflow to search for RowKeys

Module 8 : File Based Data Structure (Part-1) : Available (Length-7 Minutes)

1. Sequence File

Module 8 : File Based Data Structure (Part-2) : Available (Length-6 Minutes)

1. MapFile

Module 9: Hadoop Database and Random Read Write : Available (Length-27 Minutes)

1. Introduction as Hadoop DataBase
2. How HBase perform read and write on HDFS (Which does not support modification)

Module 10: Hands On : Setting up the HBase Virtual machine for Hands on Session : Available (Length-16 Minutes)

Module 11: Hands On : Understanding HBase Master Web UI : Available (Length-6 Minutes)

Module 12: Hands On : HBase Shell Commands : Available (Length-24 Minutes)

1. Create table
2. Update data
3. Delete data
4. Insert data
5. Disable table
6. Enable table
7. Drop table

Module 13: Hands On : HBase Java API : Available (Length-30 Minutes)

1. Add User data
2. Delete User Data
3. Insert User data

Module 14: Hands On : HFile Tool : Available (Length-31 Minutes)

Module 15: Time Series Data and Hot Spot : Available (Length-34 Minutes)

1. Time Series Data and Hot Spot Region Server
2. Pre-Split regions to avoid hotspots

Module 16: HBase Raw Key Design : In Progress

Module 17: Hands On : HBase Time Series Data and HotSpot : In Progress

Module 18: HBase Create table (HBaseAdmin tool) : In Progress

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 235 Q & A Click Here Cloudera Data Science Certification DS-200	 Click Here Hadoop Training With HandsOn	 Click Here Package Deal	 144 Q & A Click Here AWS Certified Solutions Architect Professional Level
 300 + Q & A Click Here AWS Certified SysOps Administrator Associate Level	 474 + Q & A Click Here AWS Certified Solutions Architect Associate Level	 Click Here Click Here for AWS Package Deal	 490 Q & A Click Here SAS Base Certification A00-211

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