Oracle NoSQL Database Cloud Service Workshop

Course Contents

Lesson 01: Introduction to Oracle NoSQL Database Cloud Service

- Introduction to "Not only SQL" Database and Its Features
- NoSQL Database Based on CAP Theorem
- Difference Between Relational and NoSQL Databases
- Features & Concepts of Oracle NoSQL Database Cloud

Lesson 02: Connecting Applications to Oracle NoSQL Database Cloud Service

- Credentials Needed for Connecting to Oracle NoSQL Database Cloud Service
- Generic Steps to Connect Oracle NoSQL Database Cloud Service from Any Application
- Connecting An Application to Oracle NoSQL Database Cloud Service
- Connecting Using API & Configuration File
- Connecting Python Application to Oracle NoSQL Database Cloud Service
- Steps to Connect Node.js Application to Oracle NoSQL Database Cloud Service
- Connecting from Node.js
- Steps to Connect Go Application to Oracle NoSQL Database Cloud Service
- Data Regions
- Service Endpoints for Data Regions

Lesson 03: Working with NoSQL Tables

- NoSQL Table Modeling in Oracle NoSQL Database Cloud Service
- Creating NoSQL Tables on Oracle NoSQL Database Cloud Service
- CRUD Operations on NoSQL Tables Using Java, Python, Node.js, Go
- SQL Queries to Update and Query Data in NoSQL Tables
- Throughput and Storage Capacities
- Oracle NoSQL Database Cloud Service Limits

Lesson 04: Using Oracle NoSQL Database Cloud Simulator

- Features of Oracle NoSQL Database Cloud Simulator
- Installing Oracle NoSQL Database Cloud Simulator
- Oracle NoSQL Database Cloud Simulator Vs Service
- Running an Application in Oracle NoSQL Database Cloud Simulator

Lesson 05: Using IDE Plug-ins for Development

- IntelliJ Plug-in for Oracle NoSQL Database Cloud Service
- Install the Oracle NoSQL Plug-in for IntelliJ
- Connect to Oracle NoSQL Cloud Service from IntelliJ
- Eclipse IDE with Oracle NoSQL Plug-in for NoSQL Development

Lesson 06: Using OCI Console for Managing Tables

- Accessing the Oracle NoSQL Database Cloud Service from OCI Console
- CRUD Operations on NoSQL Tables Using OCI Console
- Creating & Deleting Index on a Table from OCI Console
- View Table Index & Metric Using OCI Console

Lesson 07: Implementing Security Features in Oracle NoSQL Database Cloud Service

- Security Model in Oracle NoSQL Database Cloud Service
- Typical Process to Implement Security Model
- Creating Users & Groups for NoSQL
- Adding User to Group
- Create Policy Statements to Manage NoSQL Tables
- Assigning Users to Manage NoSQL Tables