



# Oracle NoSQL Database for Administrators

## Ed 1

### CODICE

D91324GC10

### DURATA

2 Giorni

### PREZZO

1.600,00€ (iva escl.)

### LINGUA

Italiano

### MODALITÀ

Virtual Classroom  
Corso in aula

### SCHEDULAZIONE

- A Richiesta

### PREREQUISITI

#### Audience:

Application Developers  
Database Administrators  
Hadoop/BigData Cluster Administrator  
Java Developers

### OBIETTIVI

Plan installation of Oracle NoSQL Database  
Install and configure Oracle NoSQL Database  
Deploy Oracle NoSQL Database KVStore  
Secure the configuration  
Extend a KVStore by increasing the replication factor or capacity of the KVStore  
Troubleshoot installation and hardware failures  
Monitor and optimize Oracle NoSQL Database performance  
Perform backup, recovery, and upgrades

### CONTENUTI

Course Introduction Course Objectives Course Schedule Course Environment Accessing the Labs Directory Introducing Personas Course Supplement Additional Resources Oracle NoSQL Database: Overview Oracle NoSQL Database Key Features Benefits of Using Oracle NoSQL Database Supported Data Types How Does the Oracle NoSQL Database Work? Oracle NoSQL Database Components Partitions and Key Value Pairs Performance and Throughput Planning An Installation KVStore Analysis: Tasks Understanding Storage Capacity and Throughput Capacity Using InitialCapacityPlanning Spreadsheet Application Requirements



Hardware Requirements Performance Requirements: Estimating Workload Performance Requirements: Estimating Throughput Performance Requirements: Estimating Cache Size Installing and Configuring Nodes Prerequisites Checklist Installation Steps Creating Directories Extracting Software Verifying the Installation Configuring the Replication Node Using the makebootconfig Utility Starting Storage Node Agents Configuring and Deploying A KVStore Configuration Steps Introducing Plans States of a Plan Starting the Admin CLI

Configuring KVStore Creating a Data Center/Zone Deploying an Admin Node Creating a Storage Pool Modifying a KVStore Reasons to modify a cluster Increasing a clusters capacity Increasing a clusters replication factor Steps to modify a cluster Securing the Configuration Security Overview Performing a secure installation using makebootconfig Secure an existing installation using securityconfig Security.xml Parameters Encrypting Data Configuring Authentication Default Security Policies Security Guidelines Troubleshooting Oracle NoSQL Database Installation Issues Verifying a KVStore Verify Command Verification Using Admin Console Locating the Installed Files Understanding the Installed Files Understanding the Log File Service States HA Port Ranges Fixing Hardware Failures Hardware Failures: Overview Network Failure Recovering from Network Failure Detecting Storage Device Failures Replacing a Failed Storage Device Detecting Server Failures Replacing a Failed Storage Node Migrating to the New Storage Node Setting Store Parameters Introducing KVStore Parameters List of Parameters Parameter Usage Viewing Parameters Using CLI Viewing Parameters Using the Admin Console Changing Parameters Using CLI Changing Parameters Using Admin Console Setting Replication Node Policy Optimizing KVStore Performance

Best Practice: Set Optimal JE Cache Size Estimating JE Cache Size Requirement Setting JE Cache Size Best Practice: JVM Best Practice: Set Optimal Java Heap Size Estimating Java Heap Size Setting Java Heap Size Best Practice: Log Garbage Collection Activity General Monitoring Monitoring the KVStore (include SNMP and JMX) Events Viewing the Events: Using Admin Console Viewing the Events: Using CLI Using SNMP and JMX Backup and Recovery Backup Process Introducing Snapshots Using Snapshots Recover Process Recovery: Using a Load Program Using the Load Program Guidelines Recovery: Directly Using Snapshots Updating an Existing Deployment Managing AVRO Schema Introducing AVRO schema JSON format Adding a schema Changing a schema Viewing a schema Disabling a schema Enabling a schema Upgrading the Software Upgrade Process: Overview Pre-requisites Upgrading from R1 to R2 Upgrading from R2 to R3 Using a script

#### **Description:**

This Oracle NoSQL Database for Administrators Ed 1 training teaches you how to deploy a KVStore and troubleshoot installation and hardware failures. Expert Oracle University instructors will also teach you how to monitor and manage a KVStore.

#### **Learn To:**

Plan installation of Oracle NoSQL Database.

Install and configure Oracle NoSQL Database.

Deploy Oracle NoSQL Database KVStore.

Secure the configuration.

Extend a KVStore by increasing the replication factor or capacity of the KVStore.

Troubleshoot installation and hardware failures.

Monitor and optimize Oracle NoSQL Database performance.

Perform backup, recovery, and upgrades.

#### **Benefits to You**

When you walk away from this course, you'll be able to identify the features and benefits of the Oracle NoSQL Database. You'll have a deeper understanding of how to optimize the KVStore's performance.

*Prezzi e corsi potrebbero subire variazioni; si consiglia di verificare sul sito [www.novanext.it/training](http://www.novanext.it/training).*