Nutanix Database Management and Automations

Duration: 2 Days Course Code: NDMA

Overview:

This course teaches you the skills needed to install, configure, and operate Nutanix Database Service (NDB).
Note: The installation and management of databases themselves is not part of this course.
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Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

- Database administrators who manage Nutanix clusters and want a detailed deep dive into database administration using NDB
- Anyone pursuing the Nutanix Certified Professional - Database Automation (NCP-DB) certification

Objectives:

- In this course, you will explore a number of subjects including:
- The what, how, why, and benefits of database-as-a-service (DBaaS)
- Important NDB terms and concepts, like copy data management, time machine, provisioning profiles, and data access management
- Implementing role-based access control (RBAC), including working with built-in and custom roles, and managing users and groups
- Adding multiple clusters to NDB, working with Nutanix Guest Tools, and registering a Nutanix cluster with NDB
- Monitoring and investigating issues with NDB, using alert policies and notifications, and collecting logs
- Operations involved in protecting and restoring databases, including creating snapshots, cloning databases, log catch-up operations, refreshing clones, and restoring source databases

Prerequisites:

- This advanced course requires you to possess a basic Nutanix system administration skill set which includes:
- Familiarity with traditional virtualization architectures and Nutanix cloud infrastructure.
- Hands-on experience with the Prism interface.
- An understanding of Nutanix core concepts and definitions
- These skills can be acquired by attending our Enterprise Cloud Administration (ECA) course, or through on-the-job experience by working on a Nutanix system for at least 6 months.
- GK9915 - Nutanix Enterprise Cloud Administration

Testing and Certification

- Nutanix Certified Professional - Database Automation (NCP-DB)

Content:

1: Introduction to Database Automation

- Understanding DBaaS
- Understanding NBD Terminology and Concepts
- The Nutanix Solution for DBaaS

2: Configuring and Operating NDB

- Understanding the NDB Workflow
- Installing and Configuring NDB
- Exploring the NDB Dashboard
- Creating Profiles
- Registering an Existing Database
- Provisioning a New Database
- Patching, Upgrading, and Scaling Databases
- Upgrading NDB

Hands-on Labs:

- Deploying NDB
- Configuring an NDB Instance
- Getting Started with a PostgreSQL Database
- Adjusting UI Timeout and Upgrading NDB
- Working with NDB Profiles
- Registering Existing Databases
- Provisioning, Patching, and Removing Databases
- Implementing RBAC and Managing Users
- Using Tags for Database Inventory Management
- Working with Alerts
- Generating and Downloading a Diagnostics Bundle
- Enabling NDB Multi-Cluster
- Provisioning a Database to a New Cluster
- Provisioning a HA Database
- Creating SLAs
- Cloning Databases
- Creating and Replicating Snapshots
- Restoring a Database from a Snapshot

3: Administering and Monitoring NDB

- Implementing RBAC and Managing Users
- Managing Multiple Clusters with NDB
- Working with Maintenance Windows
- NDB High Availability
- Using Tags for Database Inventory Management
- Working with Alerts
- Investigating Issues with NDB

Hands-on Labs:

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4: Protecting and Restoring Databases

- Understanding Time Machine
- Managing SLAs Schedules
- Preparing for Snapshot Creation, Replication, and Deletion
- Cloning Databases
- Database Log Management
- Refreshing and Removing Clones
- Restoring Source Databases

Hands-on Labs:

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Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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