

NUTANIX DATABASE MANAGEMENT & AUTOMATION (NDMA)

Course Code: 846001

NTX-NDMA – Get the skills needed to install, configure, and operate Nutanix Database Service (NDB).

In this course, you will explore a number of subjects including the what, how, why, and benefits of database-as-a-service (DBaaS), as well as important NDB terms and concepts, like copy data management, time machine, provisioning profiles, and data access management.

You will also learn how to manage multiple operations involved in managing users, protecting and restoring databases and troubleshooting several issues.

Note: The installation and management of databases themselves is not part of this course.

Product Versions Covered: AOS - NDB

Updated March 2026

What You'll Learn

After this course participants should be able to:

- Understand important NDB terms and concepts, like copy data management, time machine, provisioning profiles, and data access management
- Implement role-based access control (RBAC), including working with built-in and custom roles, and managing users and groups
- Add multiple clusters to NDB, working with Nutanix Guest Tools, and registering a Nutanix cluster with NDB
- Monitor and investigate issues with NDB, using alert policies and notifications, and collecting logs
- Manage operations involved in protecting and restoring databases, including creating snapshots, cloning databases, log catch-up operations, refreshing clones, and restoring source databases

Who Needs to Attend

- 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

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, which can be found [here](#).

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.

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VIRTUAL CLASSROOM LIVE

\$3,570 CAD

2 Day

Virtual Classroom Live Outline

Module 1: Introduction to Database Automation

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

Module 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

Module 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:
 - ☒ 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

Module 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:
 - ☒ Creating SLAs
 - ☒ Cloning Databases
 - ☒ Creating and Replicating Snapshots
 - ☒ Restoring a Database from a Snapshot

Virtual Classroom Live Labs

- Labs are provided by Layer8 Training for this course

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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