

NDMA: Nutanix Database Management & Automation

Course Code: NDMA

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

This course teaches you the skills needed to install, configure, and operate Nutanix Era for the purpose of managing databases. The installation and management of databases themselves is not part of this course.

SKILLS COVERED

In this course, you will explore a number of subjects including:

- The what, the how, the why, and the benefits of database-as-a-service (DBaaS)
- Important Nutanix Era 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 Nutanix Era, working with Nutanix Guest Tools, and registering a Nutanix cluster with Era
- Monitoring and investigating issues with Nutanix Era, including alert policies, notifications, and log collection
- Operations involved in protecting and restoring databases, including creating snapshots, cloning databases, log catch-up operations, refreshing clones, and restoring source databases

WHO SHOULD ATTEND?

- IT administrators who manage Nutanix clusters in the datacenter and want a detailed deep dive into database administration using Nutanix Era
- 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 storage architectures
- hands-on experience with the Prism and Command-line interfaces.

These skills can be acquired by attending one of our basic admin courses (Enterprise Cloud Administration), or through on-the-job experience by working on a Nutanix system for at least 6 months.

MODULES

Module 1: Introduction to Database Automation

- Understanding Database-as-a-Service
- Understanding Nutanix Era Terminology and Concepts
- The Nutanix Solution for Database-as-a-Service

Module 2: Configuring and Operating Nutanix Era

- Understanding the Era Workflow
- Installing and Configuring Nutanix Era
- Nutanix Era High Availability
- Registering an Existing Database
- Creating Profiles
- Provisioning a New Database

- Patching a Database

Module 3: Administering, Monitoring, and Troubleshooting Nutanix Era

- Administering Nutanix Era
 - o Implementing Role-based Access Control and Managing Users
 - o Adding Nutanix Clusters to Era
 - o Upgrading Nutanix Era
- Monitoring Nutanix Era
 - o Understanding the Era Dashboard
 - o Using Tags for Database Inventory Management
- Working with Alerts
- Investigating Issues with Nutanix Era

Module 4: Protecting and Restoring Databases (Time Machine Operations)

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

END OF PAGE