



NUTANIX TRAINING

Nutanix Database Management Automation

Automate database management on Nutanix. Master efficient, high-performance database operations.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This Nutanix Database Management Automation course offers an intensive, intermediate-level exploration into leveraging Nutanix Era to revolutionize database operations. Participants will gain comprehensive expertise in automating the entire lifecycle of various database engines, including PostgreSQL, Oracle, SQL Server, MySQL, and MongoDB. The course directly addresses the challenges of manual, time-consuming database provisioning, patching, cloning, and recovery, empowering IT professionals to transform traditional database administration into a highly efficient, agile, and reliable Database-as-a-Service (DBaaS) model. You will learn to eliminate operational inefficiencies, reduce human error, and accelerate delivery of database services critical for modern applications.

Through hands-on labs and practical scenarios, you will master the core functionalities of Nutanix Era, from registering database engines and provisioning new databases to orchestrating complex lifecycle management tasks. The curriculum emphasizes advanced data protection strategies using Era's Time Machine, enabling swift point-in-time recovery and seamless creation of database clones for development, testing, and analytics. Ultimately, this course equips you with the in-demand skills to build and manage a robust, automated database environment on Nutanix, significantly enhancing your organization's agility and resilience.

By completing this certification, you will not only streamline database operations but also unlock substantial professional benefits, positioning yourself as a critical asset in any organization embracing hyperconverged infrastructure and cloud-native principles. You will be able to drive down operational costs, improve application time-to-market, and ensure high availability for mission-critical data, making you an indispensable expert in modern data management.

Level	Intermediate
Vendor	Nutanix

COURSE CURRICULUM

01 Module 1: Introduction to Nutanix Era and Database Automation Fundamentals

- Understanding Nutanix Era Architecture and Components
- Benefits of Database-as-a-Service (DBaaS) on Nutanix
- Key Era Concepts: Time Machine, Database Clones, Snapshots
- Nutanix Era User Interface and API Overview
- Planning for Era Deployment and Requirements

02 Module 2: Database Engine Registration and Provisioning

- Registering Common Database Engines (PostgreSQL, Oracle, SQL Server)
- Creating Database Server Virtual Machines (VMs) and Clusters
- Automated Provisioning of New Databases via Era
- Customizing Database Parameters and Profiles
- Managing Database Server Patches and Updates

03 Module 3: Database Lifecycle Management with Era

- Automated Patching and Upgrading Database Engines
- Performing In-Place and Out-of-Place Database Upgrades
- Scaling Database Resources (CPU, Memory, Storage) with Era
- Database Retirement and Decommissioning Workflows
- Maintaining Database Availability during Lifecycle Operations

04 Module 4: Data Protection, Cloning, and Refresh Operations

- Configuring Era Time Machine for Continuous Data Protection
- Creating and Managing Database Snapshots and Clones
- Performing Point-in-Time Database Restores and Recoveries
- Refreshing Test/Development Databases from Production Clones
- Understanding Data Ageing and Retention Policies

05 Module 5: Monitoring, Alerting, and Performance Management

- Monitoring Database Health and Performance within Era
- Configuring Custom Alerts and Notifications for Database Events
- Analyzing Database Performance Metrics and Logs
- Troubleshooting Common Era Database Deployment and Operational Issues
- Integrating Era with External Monitoring Solutions

06 Module 6: Advanced Automation and Integration

- Leveraging Era APIs for Custom Automation and Scripting
- Integrating Era with Orchestration Tools (e.g., Ansible, Terraform)
- Database Migration Strategies to the Nutanix Era Platform
- Best Practices for Era Deployment, Management, and Security
- Exploring Era's extensibility for custom database engines

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Nutanix Certified Database Administrator (NCDBA)**
- > **Cloud Database Automation Specialist**
- > **DevOps Engineer (Database Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What specific technical background or prerequisites are recommended to maximize learning in the Nutanix Database Management Automation course?

This intermediate-level course assumes a foundational understanding of database administration principles (e.g., SQL, Oracle, PostgreSQL basics) and familiarity with virtualization concepts. While not strictly required, prior exposure to Nutanix Acropolis Operating System (AOS) or basic Linux command-line operations will be highly beneficial, as the course dives into automating tasks within the Nutanix hyperconverged infrastructure.

Q: Beyond general automation, what specific database types and management scenarios will I be proficient in automating using Nutanix Era after completing this course?

Upon completion, you will be highly proficient in automating the lifecycle management for key relational database management systems (RDBMS) like PostgreSQL, Oracle, and SQL Server, as well as NoSQL databases such as MySQL and MongoDB within the Nutanix environment. This includes automated provisioning, patching, scaling, cloning for dev/test environments, point-in-time recovery, and performing database refreshes, significantly streamlining operations for these specific database systems.

Q: How does mastering Nutanix Database Management Automation directly enhance a DBA's or Cloud Engineer's ability to drive business value and career progression?

Mastering Nutanix Database Management Automation directly elevates your strategic value by transforming you into an automation expert capable of delivering Databases-as-a-Service (DBaaS) with speed and consistency. You'll significantly reduce manual intervention, accelerate application development cycles, improve database uptime through robust data protection, and cut operational costs. This specialized skill set makes you an indispensable asset for organizations adopting hybrid cloud strategies and positions you for advanced roles like Cloud Database Architect, Lead DevOps Engineer, or Infrastructure Automation Specialist.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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