



NUTANIX TRAINING

# Nutanix Data Services Admin

*Administer Nutanix data services, managing storage, DR, and data protection. Become proficient in Nutanix platform operations.*

DURATION

**Flexible**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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## COURSE OVERVIEW

The Nutanix Data Services Admin course is an essential intermediate-level training designed for IT professionals seeking to master the administration and management of Nutanix's powerful suite of data services. This course dives deep into core Nutanix technologies such as Nutanix Files for distributed file storage, Nutanix Objects for S3-compatible object storage, and Nutanix Volumes for block storage, along with advanced data protection and disaster recovery capabilities. Participants will gain practical, hands-on experience in deploying, configuring, securing, and troubleshooting these critical services within a hyperconverged infrastructure (HCI) environment, leveraging the intuitive management capabilities of Prism Central. This specialization is crucial for modern enterprises looking to optimize data storage, ensure data availability, and streamline data management operations.

By completing this course, you will not only understand the architectural nuances of Nutanix data services but also develop the expertise to implement robust, scalable, and resilient data solutions. The professional benefits are immense, as you will be equipped to manage complex data environments, improve operational efficiency, and significantly reduce total cost of ownership by maximizing your Nutanix investment. This highly practical training empowers you to become a key asset in any organization leveraging Nutanix HCI, enhancing your career prospects in the rapidly evolving landscape of cloud and on-premises data management.

|        |              |
|--------|--------------|
| Level  | Intermediate |
| Vendor | Nutanix      |

## COURSE CURRICULUM

### 01 Module 1: Nutanix Data Services Fundamentals

- Nutanix AOS and Prism Central Overview
- Introduction to Nutanix Data Services Portfolio
- HCI Principles and Data Locality for Data Services
- Licensing and Resource Allocation for Data Services
- Networking Best Practices for Data Services

### 02 Module 2: Administering Nutanix Files

- Nutanix Files Architecture and Components
- Deployment and Configuration of Nutanix Files Instances
- Creating and Managing Shares (SMB, NFS)
- User and Group Permissions (Active Directory Integration)
- Quota Management and Data Tiering
- Monitoring and Troubleshooting Nutanix Files

### 03 Module 3: Managing Nutanix Objects Storage

- Nutanix Objects Architecture and Use Cases (S3-Compatible)
- Deployment and Configuration of Objects Clusters
- Bucket Management, Object Lifecycle Policies
- Access Key Management and Security (IAM Integration)
- Data Tiering and Replication for Objects
- Monitoring and Troubleshooting Nutanix Objects

### 04 Module 4: Nutanix Volumes and Block Storage

- Nutanix Volumes Architecture and Use Cases

- Creating and Managing iSCSI LUNs
- Connecting Client Servers to Nutanix Volumes
- Performance Considerations and Best Practices for Block Storage
- Volume Groups and Snapshots

## 05 Module 5: Data Protection and Disaster Recovery

- Nutanix Data Protection Concepts (Snapshots, Clones)
- Configuring Protection Domains and Replication Schedules
- Implementing Synchronous and Asynchronous Replication
- Leveraging Nutanix Leap (DR as a Service) for Failover/Failback
- Backup Integration with Third-Party Tools

## 06 Module 6: Monitoring, Security, and Optimization

- Using Prism Central for Data Services Monitoring and Analytics
- Security Best Practices for Nutanix Data Services
- Network Segmentation with Nutanix Flow for Data Services
- Performance Tuning and Capacity Planning
- Common Troubleshooting Scenarios and Tools

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Nutanix Data Services Engineer**
- > **Cloud Storage Specialist (Nutanix Objects focus)**
- > **Data Protection & Disaster Recovery Architect**

## FREQUENTLY ASKED QUESTIONS

### **Q: What foundational knowledge or prior certifications are recommended before enrolling in the Nutanix Data Services Admin course?**

This intermediate-level course assumes a working knowledge of virtualization, networking, and storage concepts. While not strictly mandatory, prior experience with the Nutanix platform or completion of the Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI) certification would be highly beneficial, as it provides a strong understanding of the core Nutanix infrastructure upon which data services are built.

### **Q: Beyond general administration, what specific hands-on data services tasks will I be proficient in upon completing this training?**

Upon successful completion, you will be highly skilled in deploying and managing Nutanix Files shares (SMB/NFS), configuring Nutanix Objects S3-compatible buckets with lifecycle policies, setting up and administering Nutanix Volumes for block storage, and implementing robust data protection strategies including snapshots, replication, and disaster recovery plans across Nutanix clusters. You will also gain expertise in monitoring and troubleshooting these data services using Prism Central.

### **Q: How does this course prepare me for advanced roles involving Nutanix data management and potential certification pathways?**

This course is specifically designed to equip you with the deep technical skills required for administering Nutanix's comprehensive suite of data services, which is a critical specialization in today's HCI environments. It directly aligns with the objectives for the Nutanix Certified Professional - Data Services (NCP-DS) certification, paving the way for you to validate your expertise and advance into roles such as a dedicated Nutanix Data Services Engineer, Cloud Storage Architect, or Disaster Recovery 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.

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Years of Excellence

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## READY TO ENROL?

Take the next step in your technology career.

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