



NUTANIX TRAINING

Nutanix Certification Training Course

Master Nutanix hyperconverged infrastructure and gain the skills to deploy, manage, and optimize enterprise cloud solutions.

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 Certification Training Course from Computer Pride is meticulously designed to equip IT professionals with the essential skills to deploy, manage, and optimize hyperconverged infrastructure (HCI) solutions using Nutanix. This intermediate-level course dives deep into the core technologies that power modern data centers, including Nutanix Acropolis Operating System (AOS), the AHV hypervisor, and the intuitive Prism management suite. Participants will gain hands-on experience with deploying virtual machines, configuring storage and networking, ensuring data protection, and mastering the operational aspects of a Nutanix environment.

By successfully completing this certification, you will significantly enhance your ability to design, implement, and maintain highly efficient, scalable, and resilient IT infrastructure. The course emphasizes practical application and best practices, preparing you to tackle real-world challenges in enterprise data centers. This expertise is crucial for organizations looking to simplify IT operations, reduce costs, and accelerate application delivery, making you an invaluable asset in the rapidly evolving cloud and virtualization landscape. A Nutanix certification validates your proficiency in a leading HCI platform, opening doors to advanced career opportunities in system administration, cloud architecture, and data center management.

Level	Intermediate
Vendor	Nutanix

COURSE CURRICULUM

01 Module 1: Introduction to Nutanix & HCI Fundamentals

- Understanding Hyperconverged Infrastructure (HCI) Principles
- Nutanix Enterprise Cloud OS Architecture Overview
- Key Components: AOS, AHV, Prism Central
- Nutanix Hardware Platforms and Deployment Models
- Nutanix Cluster Design and Sizing Considerations
- Licensing Concepts and Management

02 Module 2: Nutanix AOS and Prism Central Management

- Initial Cluster Setup and Configuration
- Navigating Prism Element and Prism Central Dashboards
- Resource Management: CPU, Memory, Storage Allocations
- Nutanix Storage Concepts: Distributed Storage Fabric, Storage Pools, Containers
- User and Role Management, Authentication Integration (LDAP/Active Directory)
- Security Hardening and Best Practices for Prism

03 Module 3: Nutanix AHV Virtualization & Networking

- AHV Hypervisor Overview and Capabilities
- Virtual Machine Creation, Management, and Cloning
- Networking Configuration: Virtual Switches, Bridges, VLANs
- IP Address Management (IPAM) Integration with AHV
- Guest VM Tools and Driver Installation
- Image Management and Lifecycle

04 Module 4: Data Protection, Disaster Recovery, and Security

- Nutanix Data Protection Features: Snapshots and Clones
- Replication Strategies: Synchronous and Asynchronous Replication
- Disaster Recovery Planning with Nutanix DR

- Data Encryption at Rest and In-Flight
- Flow Network Security and Microsegmentation
- Auditing and Compliance Features

05 Module 5: Performance Monitoring, Troubleshooting, and Scalability

- Monitoring Cluster Health and Performance with Prism
- Alerts, Events, and Reporting Configuration
- Troubleshooting Common Issues and Log Analysis
- Scaling Nutanix Clusters: Adding Nodes and Block Expansion
- Life Cycle Management (LCM) for Updates and Upgrades
- Performance Optimization Techniques for Various Workloads

06 Module 6: Advanced Nutanix Features & Best Practices

- Nutanix Files, Objects, and Volumes Introduction
- Automation and Orchestration with APIs and Scripting (PowerShell, Python)
- Integrating with Public Clouds (Hybrid Cloud Strategy)
- Optimizing Performance for Specific Enterprise Applications
- Backup and Recovery Strategies for Nutanix Environments
- Best Practices for Deployment and Day-2 Operations

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Nutanix Hyperconverged Infrastructure Administrator**
- > **Enterprise Virtualization Engineer**
- > **Cloud Solutions Architect (with Nutanix Specialization)**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites or ideal background for someone taking the Nutanix Certification Training Course?

This course is best suited for IT professionals who possess a foundational understanding of virtualization concepts, networking principles, and storage technologies. Prior experience with traditional server and storage administration, or a general familiarity with hypervisors like VMware vSphere or Microsoft Hyper-V, will be highly beneficial, providing a strong base to grasp Nutanix's advanced HCI concepts.

Q: How will mastering Nutanix HCI specifically benefit my career as a system administrator or cloud engineer?

By mastering Nutanix HCI, you'll gain expertise in a platform that significantly simplifies data center operations, making you highly valuable to organizations transitioning from traditional three-tier architectures. You'll be proficient in deploying and managing virtualized environments with unparalleled efficiency, automating routine tasks, and implementing robust data protection and disaster recovery solutions. This positions you as a key player in modernizing IT infrastructure and driving digital transformation initiatives.

Q: Does this certification cover integration with public cloud providers or solely focus on on-premises

Nutanix deployments?

While the core of this Nutanix Certification Training Course focuses on on-premises deployment and management of Nutanix Enterprise Cloud OS (AOS) and AHV, it also introduces concepts related to Nutanix's hybrid cloud capabilities. You will learn about how Nutanix extends to public clouds, providing a consistent operational experience, and explore services that facilitate data mobility and application deployment across hybrid environments, giving you a comprehensive understanding of its capabilities in a multi-cloud strategy.

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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