



NUTANIX TRAINING

Nutanix

Master Nutanix hyperconverged infrastructure. Learn to deploy, manage, and scale private cloud environments efficiently.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

This intermediate-level Nutanix course from Computer Pride is meticulously designed to equip IT professionals with the essential skills to deploy, manage, and optimize hyperconverged infrastructure (HCI) solutions. You will dive deep into the core components of the Nutanix Enterprise Cloud OS, including AHV hypervisor, Prism Element for local cluster management, and Prism Central for multi-cluster operations. The curriculum emphasizes practical application, ensuring you gain hands-on experience with Nutanix's software-defined storage, network virtualization capabilities, and robust data protection features.

Upon completion, you will be proficient in simplifying datacenter operations, enhancing scalability, and improving IT agility through Nutanix's powerful platform. This expertise is crucial for organizations looking to modernize their infrastructure, reduce operational costs, and build a resilient, future-ready private cloud. The course benefits anyone involved in server, storage, or virtualization administration looking to transition to or advance within an HCI environment.

Level	Intermediate
Vendor	Nutanix

COURSE CURRICULUM

01 Module 1: Introduction to Nutanix HCI & Architecture

- Understanding Hyperconverged Infrastructure (HCI)
- Nutanix Enterprise Cloud OS Overview
- Nutanix Cluster Architecture and Components (Nodes, Blocks, Storage)
- Nutanix Software Stack: AHV, Acropolis, Prism Element, Prism Central
- Key Nutanix Concepts: Distributed Storage Fabric, Data Locality, Resilience

02 Module 2: Nutanix Deployment and Initial Configuration

- Planning a Nutanix Deployment
- Nutanix Foundation for Cluster Imaging and Setup
- Initial Cluster Configuration using Prism Element
- Network Configuration for AHV and CVMs
- Adding and Expanding Nutanix Clusters

03 Module 3: Virtual Machine Management on AHV

- Creating and Managing Virtual Machines (VMs) on AHV
- VM Lifecycle Management: Power Operations, Cloning, Migration
- Image Management and Disk Operations
- Guest OS Installation and Nutanix VirtIO Drivers
- Resource Management: CPU, Memory, Storage Allocation

04 Module 4: Nutanix Storage and Data Services

- Understanding the Nutanix Distributed Storage Fabric (DSF)
- Volume Groups and iSCSI for External Workloads
- Data Protection: Snapshots, Clones, and Replication
- Data Reduction Technologies: Compression, Deduplication, Erasure Coding
- File Services (Nutanix Files) Overview and Configuration

05 Module 5: Networking and Security on Nutanix

- AHV Networking Fundamentals: Bridges, Bonds, Virtual Switches

- Configuring Virtual Networks and VLANs
- IP Address Management and Network Segmentation
- Nutanix Flow (Microsegmentation and Network Security)
- User Management and Role-Based Access Control (RBAC)

06 Module 6: Monitoring, Troubleshooting, and Disaster Recovery

- Monitoring Cluster Health with Prism Element and Prism Central
- Performance Monitoring and Alerting
- Basic Troubleshooting Methodologies and Tools
- Nutanix Disaster Recovery (DR) Concepts and Solutions
- Backup and Restore Strategies with Nutanix

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Nutanix HCI Administrator**
- > **Cloud Infrastructure Engineer**
- > **Solutions Architect (Nutanix Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What foundational IT knowledge or prerequisites are recommended before enrolling in this Nutanix course?

To get the most out of this intermediate Nutanix course, we highly recommend participants have a solid understanding of virtualization concepts (e.g., VMware vSphere or Microsoft Hyper-V), basic networking principles (IP addressing, VLANs), and general server administration experience. Familiarity with Linux command-line interfaces will also be beneficial, although not strictly required.

Q: How will mastering Nutanix HCI specifically enhance my career prospects in managing modern cloud-native environments?

Mastering Nutanix HCI directly addresses the growing demand for simplified, scalable, and resilient infrastructure in cloud-native environments. You'll gain expertise in a platform that powers private clouds, provides seamless integration with public clouds, and supports containerized applications. This skill set positions you as a valuable asset capable of designing, deploying, and managing the underlying infrastructure for modern, agile, and hybrid cloud strategies, significantly boosting your employability as a Cloud Infrastructure Engineer or Solutions Architect.

Q: Does this Nutanix course include practical hands-on labs or real-world project simulations?

Absolutely! This Nutanix course at Computer Pride is heavily focused on practical application. You will engage in extensive hands-on labs using dedicated Nutanix cluster environments. These labs are designed to simulate real-world scenarios, allowing you to deploy VMs, configure storage, manage networking, implement data protection, and monitor cluster health, ensuring you gain confidence and practical experience with the Nutanix platform.

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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