



NUTANIX TRAINING

Nutanix Fundamentals

Master Nutanix hyperconverged infrastructure fundamentals. Gain essential skills to deploy and manage Nutanix environments.

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

The Nutanix Fundamentals course offers an essential introduction to the groundbreaking world of hyperconverged infrastructure (HCI) and the Nutanix Enterprise Cloud platform. In today's rapidly evolving IT landscape, organizations are moving away from traditional three-tier architectures to more agile, scalable, and cost-effective solutions. This course demystifies HCI, providing a solid understanding of how Nutanix unifies compute, storage, and networking resources into a single, software-defined solution, simplifying data center operations and enhancing performance. It covers the core components, architecture, and foundational management practices of a Nutanix cluster.

Participants will gain practical insights into navigating the Nutanix Prism interface, managing virtual machines on the Acropolis Hypervisor (AHV), and understanding key concepts like data locality, resiliency, and storage efficiency. The curriculum is meticulously designed to equip IT professionals with the foundational knowledge required to manage, monitor, and troubleshoot a Nutanix environment effectively. By mastering these fundamentals, you will be prepared to contribute to modern data center initiatives, streamline IT operations, and significantly reduce operational complexity. This foundational expertise not only boosts your immediate job performance but also sets the stage for advanced Nutanix certifications and specialized roles in enterprise cloud management.

Level	Intermediate
Vendor	Nutanix

COURSE CURRICULUM

01 Module 1: Introduction to Hyperconverged Infrastructure (HCI) and Nutanix

- Evolution of Data Center Architectures and Challenges
- Understanding Hyperconverged Infrastructure (HCI) Concepts
- Key Principles and Benefits of Nutanix Enterprise Cloud
- Nutanix Product Portfolio Overview
- Comparison: Traditional vs. HCI Infrastructure

02 Module 2: Nutanix Core Architecture and Components

- Nutanix Distributed File System (NDFS) Explained
- Acropolis Operating System (AOS) Fundamentals
- Acropolis Hypervisor (AHV) Overview and Capabilities
- Nutanix Cluster Concepts: Nodes, Blocks, and Rack Awareness
- Data Locality, Data Protection, and Resiliency Mechanisms

03 Module 3: Managing Nutanix with Prism Central and Element

- Introduction to Prism Element for Single Cluster Management
- Navigating the Prism User Interface (UI)
- Introduction to Prism Central for Multi-Cluster Management
- Monitoring Cluster Health and Performance Metrics
- Configuring Alerts, Events, and Basic Reporting

04 Module 4: Virtual Machine Operations on AHV

- Creating and Managing Virtual Machines (VMs) on AHV
- Configuring VM Storage Policies and Networking
- Understanding Virtual Networking in AHV (Bridge, VLANs)
- Performing VM Live Migrations and Snapshot Operations

- Cloning VMs and Creating VM Templates

05 Module 5: Storage Concepts and Data Protection

- Understanding Nutanix Storage Pools and Storage Containers
- Data Efficiency Features: Deduplication, Compression, Erasure Coding
- Nutanix Protection Domains and Remote Sites Concepts
- Introduction to Backup and Disaster Recovery Strategies
- Basic Concepts of Nutanix Files and Nutanix Objects

06 Module 6: Lifecycle Management and Basic Troubleshooting

- Nutanix One-Click Upgrades for AOS, AHV, and Firmware
- Adding and Removing Nodes from a Nutanix Cluster
- Utilizing Basic Diagnostic Tools and Logs
- Interpreting Alerts and Events for Proactive Management
- Overview of the Nutanix Support Portal and Resources

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior Nutanix Administrator**
- > **Data Center Operations Engineer (HCI Specialist)**
- > **Cloud Infrastructure Support Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What core practical skills will I acquire from the Nutanix Fundamentals course that I can immediately apply in a data center environment?

This course will equip you with the essential skills to navigate and manage a Nutanix environment using Prism Central and Element. You'll learn to provision and manage virtual machines on AHV, understand core storage concepts like data locality and protection domains, and monitor cluster health and performance. These skills are directly applicable to entry-level administration and operations roles in HCI-powered data centers, allowing you to contribute effectively from day one.

Q: Is prior experience with virtualization technologies (e.g., VMware vSphere or Microsoft Hyper-V) a mandatory prerequisite for enrolling in Nutanix Fundamentals?

While prior exposure to virtualization concepts is beneficial, it is not strictly mandatory. The Nutanix Fundamentals course is designed to provide a comprehensive introduction to hyperconverged infrastructure and Nutanix's specific technologies, including the Acropolis Hypervisor (AHV). We start with foundational concepts to ensure all learners can grasp the material, regardless of their prior virtualization platform experience, making it accessible to those new to HCI.

Q: How does completing the Nutanix Fundamentals course help in pursuing further Nutanix certifications or advancing my career in enterprise cloud management?

Nutanix Fundamentals serves as the crucial stepping stone for the entire Nutanix certification path. It builds the essential knowledge base required for more advanced certifications like the Nutanix Certified Professional (NCP) in Data Center Infrastructure or Multicloud Infrastructure. By mastering these fundamentals, you establish a solid foundation to confidently tackle complex Nutanix deployments, operations, and troubleshooting, accelerating your career trajectory in

modern enterprise cloud and HCI environments and opening doors to specialized roles.

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.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke