



NUTANIX TRAINING

Nutanix Enterprise Cloud Administration Eca V65

Learn to administer Nutanix Enterprise Cloud with ECA v65. Gain skills to manage and operate this powerful hyperconverged infrastructure.

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 Enterprise Cloud Administration (ECA) V6.5 course is a foundational program designed to equip IT professionals with the essential skills to effectively manage and optimize a Nutanix hyperconverged infrastructure (HCI) environment. This comprehensive training delves into the core technologies that power Nutanix's industry-leading platform, including Acropolis Operating System (AOS), the AHV hypervisor, and the powerful Prism management suite (Prism Element and Prism Central). Participants will gain in-depth knowledge of deploying, configuring, and maintaining virtual machines, storage resources, and network configurations within a Nutanix cluster. This course emphasizes practical, hands-on experience, ensuring you can confidently navigate real-world administrative tasks.

By successfully completing the ECA V6.5 course, you will be proficient in leveraging Nutanix's simplified management framework to enhance data center efficiency, scalability, and resilience. The professional benefits extend to reducing operational complexities, improving infrastructure performance, and ensuring business continuity through robust data protection and disaster recovery strategies. This certification positions you as a critical asset in organizations embracing modern hybrid cloud architectures, enabling you to contribute to streamlined IT operations and strategic cloud initiatives.

Level	Intermediate
Vendor	Nutanix

COURSE CURRICULUM

01 Module 1: Nutanix Enterprise Cloud Fundamentals

- Introduction to Hyperconverged Infrastructure and Nutanix
- Nutanix Architecture Overview (AOS, AHV, CVM)
- Prism Element and Prism Central Interfaces and Functionality
- Nutanix Cluster Deployment and Initial Configuration
- Understanding Storage Pools, Containers, and Data Locality

02 Module 2: Virtual Machine and Network Management

- Creating, Managing, and Deleting Virtual Machines on AHV
- VM Life Cycle Operations (Powering On/Off, Migrating, Cloning)
- Configuring Virtual Networks, VLANs, and IP Address Management (IPAM)
- Network Segmentation and Security with Flow Network Security (Microsegmentation)
- Image Management (Uploading, Creating, Updating Images)

03 Module 3: Storage and Data Protection

- Nutanix Storage Principles (vDisks, Volume Groups)
- Data Resiliency Features (Erasure Coding, Replication Factor)
- Configuring Data Protection (Snapshots, Clones)
- Implementing Disaster Recovery with Protection Domains and Asynchronous/Synchronous Replication
- Integrating with External Backup Solutions

04 Module 4: Cluster Operations and Security

- Monitoring Cluster Health and Performance using Prism Central
- Alerting and Reporting Configuration
- User Management and Authentication (Local Users, Active Directory Integration, RBAC)
- Securing the Nutanix Cluster (Security Policies, Hardening Best Practices)
- Troubleshooting Common Cluster Issues

05 Module 5: Lifecycle Management and Automation

- Performing Nutanix Software Upgrades (AOS, AHV, Firmware) using One-Click Upgrade
- Expanding and Contracting Nutanix Clusters
- Introduction to Nutanix APIs and Automation (NCLI, REST API, PowerShell cmdlets)
- Health Checks and Diagnostics
- Best Practices for Cluster Maintenance and Optimization

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Nutanix Hyperconverged Infrastructure Administrator**
- > **Cloud Infrastructure Engineer specializing in HCI**
- > **Enterprise Systems Engineer (focusing on Nutanix deployments)**

FREQUENTLY ASKED QUESTIONS

Q: What core technical skills will I acquire from the Nutanix Enterprise Cloud Administration V6.5 course that I can immediately apply in my role?

Upon completion, you will possess practical skills in deploying and managing virtual machines, configuring network and storage resources, implementing robust data protection and disaster recovery plans, and monitoring the health and performance of Nutanix clusters. You'll gain proficiency in using Prism Element and Prism Central for daily administration, troubleshooting common issues, and performing one-click upgrades, making you immediately valuable in any Nutanix-powered environment.

Q: Are there any recommended technical prerequisites or prior experience to ensure success in the Nutanix ECA V6.5 course?

While there are no strict mandatory prerequisites, having a foundational understanding of virtualization concepts (e.g., hypervisors, VMs), basic networking (TCP/IP, VLANs), and general storage principles will significantly enhance your learning experience. Familiarity with command-line interfaces and basic Linux commands can also be beneficial, as some advanced troubleshooting or configuration might involve CLI interaction.

Q: How does this specific Nutanix ECA V6.5 certification enhance my career prospects in the competitive cloud infrastructure market?

The Nutanix ECA V6.5 certification specifically validates your expertise in administering Nutanix's market-leading hyperconverged infrastructure, a technology central to many modern private and hybrid cloud deployments. This distinguishes you as a specialist in a rapidly growing segment, making you highly attractive to organizations seeking to modernize their data centers, reduce operational overhead, and leverage agile cloud-like capabilities on-premises. It's a clear signal to employers that you can manage advanced, software-defined infrastructure efficiently and effectively.

ABOUT COMPUTER PRIDE

**computerpride*****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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