



NUTANIX TRAINING

Nutanix Certified Professional Multicloud Infrastructure

Master Nutanix Multicloud Infrastructure design & deployment. Achieve NCP-MCI certification and manage hybrid cloud environments effectively.

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 Certified Professional - Multicloud Infrastructure (NCP-MCI) course is designed for IT professionals seeking to master the deployment, management, and scaling of Nutanix hyperconverged infrastructure across diverse cloud environments. This comprehensive program delves deep into Nutanix's core technologies, including AOS (Acropolis Operating System), AHV hypervisor, and Prism Central, providing participants with the expertise to build and maintain robust, high-performing multicloud solutions. You will gain hands-on experience with critical tasks such as cluster deployment, virtual machine management, networking configuration, data protection strategies, and disaster recovery planning, all tailored for a hybrid cloud reality. By completing this certification, you will be equipped to leverage Nutanix's software-defined capabilities to streamline IT operations, enhance application performance, and optimize costs in both on-premises data centers and public cloud infrastructures. The course emphasizes practical skills necessary to navigate the complexities of modern IT landscapes, transforming you into a valuable asset capable of driving digital transformation initiatives within any organization. This expertise directly translates into improved system resilience, simplified infrastructure management, and the ability to design adaptable cloud strategies that meet evolving business demands.

Level	Intermediate
Vendor	Nutanix

COURSE CURRICULUM

01 Module 1: Nutanix Enterprise Cloud Fundamentals

- Introduction to Hyperconverged Infrastructure (HCI)
- Nutanix Architecture Overview: AOS, AHV, CVM
- Prism Element and Prism Central functionalities
- Nutanix Hardware Platforms and Cluster Deployment Concepts
- Understanding Storage Pools, Containers, and Data Locality

02 Module 2: Nutanix Cluster Management and Operations

- Initial Cluster Deployment and Configuration
- Managing Cluster Health, Performance, and Capacity
- Nutanix Software Upgrades and Lifecycle Management
- User Management, Role-Based Access Control (RBAC)
- Monitoring and Alerts using Prism Central

03 Module 3: Virtual Machine and Application Management

- Deploying and Managing Virtual Machines on AHV
- Image Management, Clones, and Snapshots
- Resource Management: CPU, Memory, Storage QoS
- Live Migration and Affinity Rules
- Application Deployment and Lifecycle Management on Nutanix

04 Module 4: Networking, Storage, and Data Protection

- AHV Networking Configuration: Virtual Switches, Bridges, VLANs
- IP Address Management and Network Segmentation
- Volume Groups, iSCSI, and Block Storage
- Data Protection: Local Snapshots, Remote Replication
- Disaster Recovery Concepts with Nutanix Solutions (e.g., Xi Leap overview)

Module 5: Multicloud Integration and Advanced Concepts

- 05**
- Integrating Nutanix with Public Cloud Environments (AWS, Azure)
 - Nutanix Files and Objects Fundamentals
 - Nutanix Flow Network Security (Microsegmentation concepts)
 - Troubleshooting Common Nutanix Issues
 - Nutanix Best Practices for Performance and Scalability

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Multicloud Infrastructure Engineer**
- > **Hybrid Cloud Operations Specialist**
- > **Nutanix Solutions Architect**

FREQUENTLY ASKED QUESTIONS

Q: What specific multicloud integration skills will I gain that are immediately applicable in an enterprise environment after completing this NCP-MCI course?

Upon completion of the NCP-MCI course, you will acquire practical skills in deploying and managing Nutanix infrastructure that spans on-premises data centers and public clouds. This includes understanding how to extend your Nutanix environment to public cloud providers, utilizing Nutanix DRaaS (Xi Leap) for robust cross-cloud disaster recovery strategies, and managing hybrid workloads with consistent operational practices. You'll be able to ensure data mobility and application availability across diverse cloud platforms, directly addressing key challenges in today's multicloud enterprises.

Q: Is prior experience with traditional virtualization platforms (e.g., VMware vSphere or Microsoft Hyper-V) a prerequisite for taking the Nutanix Certified Professional - Multicloud Infrastructure course?

While not strictly mandatory, a foundational understanding of virtualization concepts, basic networking principles (VLANs, IP addressing), and storage fundamentals is highly beneficial for the NCP-MCI course. The course focuses on Nutanix's unique hyperconverged approach, which abstracts many complexities found in traditional virtualization. If you have experience with other platforms, you'll find the transition smoother; otherwise, a solid grasp of general IT infrastructure is recommended to fully leverage the course content.

Q: How does the NCP-MCI certification prepare me for managing advanced Nutanix services like Files, Objects, or Flow Network Security in a multicloud context?

The NCP-MCI certification provides a robust foundation in the core Nutanix Enterprise Cloud OS, which is the underlying platform for all Nutanix services. While the NCP-MCI focuses on infrastructure, it introduces the fundamentals of Nutanix Files and Objects for unified storage, and Nutanix Flow for network security and microsegmentation. This lays the essential groundwork for understanding how these advanced services integrate with and enhance a multicloud strategy. With NCP-MCI, you'll gain the necessary knowledge to effectively deploy and manage the foundational components, setting you up for further specialized learning and certifications in these specific Nutanix products.

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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