



MICROSOFT TRAINING

Nutanix Cloud Clusters Azure Administration Nc2a Course

Learn to deploy and manage Nutanix Cloud Clusters (NC2A) on Azure. Master hybrid cloud administration with essential skills for your IT career.

DURATION

16 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Nutanix Cloud Clusters Azure Administration (NC2A) course is meticulously designed for IT professionals aiming to master the deployment, management, and operation of Nutanix clusters directly within Microsoft Azure. This intermediate-level training empowers participants to extend their on-premises Nutanix environments to the public cloud, creating a seamless, unified hybrid cloud experience. You will delve into the core technologies that enable this integration, including Nutanix's hyperconverged infrastructure (HCI) capabilities, Azure's robust networking, storage, and identity services, all managed through Nutanix Prism Central.

Throughout this 16-hour intensive course, you will acquire practical skills to leverage existing Nutanix investments while benefiting from Azure's scalability and global reach. Key areas covered include planning and deploying NC2, configuring network connectivity, managing virtual machines, ensuring data protection and disaster recovery, and optimizing performance and costs within this hybrid setup. The curriculum emphasizes real-world scenarios, preparing you to tackle complex challenges in modern IT infrastructure.

Upon completion, you will be proficient in administering a cutting-edge hybrid cloud architecture, enabling your organization to achieve greater agility, resilience, and operational efficiency. This expertise will not only enhance your technical capabilities but also position you as a valuable asset capable of driving strategic cloud initiatives, ensuring business continuity, and optimizing infrastructure for diverse workloads across both private and public cloud domains.

Duration	16 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Nutanix Cloud Clusters (NC2) on Azure

- Understanding Hybrid Cloud Concepts and Challenges
- Overview of Nutanix Enterprise Cloud OS and HCI Principles
- Introduction to Nutanix Cloud Clusters (NC2) Architecture
- Key Benefits and Use Cases for NC2 on Azure
- Azure Fundamentals for NC2 Integration (Resource Groups, VNets, Subnets, Identity)

02 Module 2: Deploying and Configuring NC2 in Azure

- Planning and Prerequisites for NC2 Deployment in Azure
- Azure Networking Best Practices for NC2 (ExpressRoute, VPN Gateway, VNet Peering)
- Step-by-Step Deployment of NC2 through Nutanix Portal and Azure
- Initial Cluster Configuration and Node Management
- Integrating NC2 with Azure Active Directory and other Azure Services

03 Module 3: Managing and Operating NC2 Environments

- Unified Management with Nutanix Prism Central for Hybrid Environments
- Monitoring NC2 Resources, Performance, and Health Metrics
- Scaling NC2 Clusters (Adding and Removing Nodes)
- Virtual Machine Lifecycle Management on NC2 (Deployment, Migration, Operations)
- Patching and Upgrading NC2 Software Components
- Storage Management and Data Services within NC2 on Azure

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

- Implementing Backup and Restore Strategies for NC2 Workloads
- Disaster Recovery Planning and Solutions for NC2 on Azure
- Leveraging Nutanix DR capabilities across hybrid boundaries
- Security Best Practices for NC2 in Azure (Network Security Groups, Firewalls)
- Identity and Access Management for NC2 Resources
- Troubleshooting Common NC2 Deployment and Operational Issues

05 Module 5: Advanced Topics and Optimization

- Networking and Microsegmentation for NC2 Applications
- Cost Management and Optimization Strategies for NC2 on Azure
- Performance Tuning and Resource Governance
- Automation and Orchestration with NC2 (APIs, scripting)
- Future Trends and Evolution of Hybrid Cloud with Nutanix and Azure

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

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

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge is recommended before enrolling in the Nutanix Cloud Clusters Azure Administration (NC2A) Course?

This course is designed for IT professionals with an intermediate understanding of both Nutanix administration (preferably with Prism Central experience) and fundamental Azure concepts, including virtual networking, virtual machines, and resource management. Prior experience with hyperconverged infrastructure (HCI) and general cloud computing principles will be highly beneficial for maximizing your learning.

Q: How does completing this NC2A course enhance my capability to manage a complex hybrid cloud environment?

The NC2A course provides specific, hands-on training to seamlessly extend your on-premises Nutanix environment into Microsoft Azure. You will gain critical skills in deploying, managing, and operating Nutanix clusters directly within Azure, enabling you to build, migrate, and protect applications across both platforms using a unified management plane. This expertise is crucial for optimizing resource utilization, improving disaster recovery strategies, and accelerating cloud adoption with minimal refactoring in a modern hybrid cloud setup.

Q: What unique professional opportunities does the Nutanix Cloud Clusters Azure Administration certification unlock compared to general cloud administration roles?

This certification positions you as a specialist in hybrid cloud infrastructure, specifically at the intersection of Nutanix and Azure. It opens doors to highly specialized roles such as Hybrid Cloud Infrastructure Administrator, Nutanix Cloud Engineer, or Azure Solutions Architect with a strong focus on HCI integration. Employers are increasingly seeking

professionals who can bridge on-premises and public cloud environments efficiently, making your skills in NC2A highly valuable for organizations adopting a true hybrid cloud strategy for mission-critical workloads and seeking simplified, consistent management.

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+

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Vendor Certifications

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Take the next step in your technology career.

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