



Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI)



PROGRAM OVERVIEW

The Nutanix Certified Professional - Multicloud Infrastructure certification (NCP-MCI) exam tests your skills and abilities in deploying, administering and troubleshooting Nutanix AOS 5.20 in the Enterprise Cloud. Successful candidates demonstrate mastery of these skills and abilities.

Successful candidates are able to deploy and administer Nutanix AOS 5.20 nodes, blocks and clusters and can use Prism Element to monitor, manage, troubleshoot and administer AHV hosts and virtual machines.

For complete details on the program and its requirements, download the NCP-MCI Exam Blueprint Guide from nutanix.com/certification.

EXAM DETAILS

- Number of Questions: 75
- Question Format: Multiple Choice
- Time Limit: 120 minutes
- Language: English, Japanese, and Simplified Chinese

PRICING

- The price is USD \$199 per attempt.

KNOWLEDGE OBJECTIVES

Section 1 - Understand Nutanix Enterprise Cloud Concepts

- Describe and differentiate features present in Acropolis, Prism (Element and Central), and AHV

Section 2 - Manage a Nutanix Cluster

- Manage node operations in a Nutanix cluster
- Given a scenario, deploy ROBO sites

Section 3 - Secure a Nutanix Cluster

- Given a scenario, configure RBAC
- Install SSL certificates

- Explain authentication and password management
 - Explain Data-at-Rest Encryption (DARE) functionality
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Section 4 – Configure and Manage Networking

- Given a scenario, configure networking
 - Describe AHV networking components and configuration settings
 - Describe AHV Managed vs Unmanaged networks
 - Describe AHV Bond modes
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Section 5 – Create and Manage Virtual Machines (VMs)

- Identify tools and methods for migrating a VM
 - Create and Deploy VMs
 - Given a scenario, modify a VM configuration
 - Given a scenario, configure Affinity Rules
 - Explain Live Migration
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Section 6 – Monitor Cluster Health and Alerts

- Given a scenario, analyze the performance and health of a Nutanix cluster and VMs
 - Configure Cluster Monitoring
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Section 7 – Understand the Nutanix Distributed Storage Fabric

- Recognize components of storage constructs and the data path of snapshots, clones, etc.
 - Identify methods for creating a Storage Container and how to configure Deduplication, Compression, and Erasure Coding on Nutanix Containers
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Section 8 – Describe Acropolis Storage Services

- Define and configure Nutanix Volumes
- Define Nutanix Files use cases

Section 9 – Understand Data Resiliency

- Given a scenario, configure VM High Availability
 - Given a scenario, differentiate failover processes, including disk failure, CVM failure, and node failure related to Replication Factor
 - Describe Data Path Redundancy
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Section 10 – Implement Data Protection

- Given a scenario, configure Protection Domains
 - Describe Leap Availability Zones
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Section 11 – Understand Prism Central

- Describe and differentiate Prism Element and Prism Central. Identify methods for viewing information about VMs, clusters, hosts, disks, and Storage Containers, as well as creating and monitoring performance graphs, alerts, and statistics
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Section 12 – Conduct Lifecycle Operations

- Given a scenario, recognize processes to start, stop, and expand a cluster. Additionally, demonstrate how to start and shutdown a node within a cluster and how to eject a node from a cluster
 - Perform upgrades on a Nutanix cluster
 - Install, upgrade, and reclaim licenses
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BENEFITS

Once you earn the NCP-MCI certification you join an exclusive community of Nutanix certified personnel, and earn more tangible benefits as well:

- Use of the NCP-MCI logo
- NCP-MCI Digital Badge from Credly
- Acclaim access to the Nutanix Certification store
- Discounts on Nutanix events
- Early access to educational programs

RELATED TRAINING & EXAM PREP RESOURCES

You can find more information on these courses, including delivery methods and pricing, at nutanix.com/training.

Nutanix Enterprise Cloud Administration Training Course

This four-day, Nutanix Enterprise Cloud Administration hands-on training course explores the deployment, administration and troubleshooting of a Nutanix Enterprise Cloud environment. The course covers the following objectives:

- Nutanix Enterprise Cloud Concepts
- Managing a Nutanix Cluster
- Securing a Nutanix Cluster
- Networking
- Nutanix Enterprise Cloud Concepts
- Managing a Nutanix Cluster
- Securing a Nutanix Cluster
- Networking

Note: While this course is recommended for pursuing a NCP-MCI certification, it is NOT required

NCP-MCI Exam Prep Course

This course helps prepare you for the Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI) exam. We will refresh the knowledge covered by the Enterprise Cloud Administration (ECA) course by going through all course topics in condensed format, and by running you through a set of test questions for each module.

Other Resources:

- [Certification Community](#)
- [The Nutanix Bible](#)
- [Nutanix University on YouTube](#)