Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI)

PROGRAM OVERVIEW

The Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI) certification validates your skills and abilities in deploying, administering, and troubleshooting Nutanix AOS in the Enterprise Cloud.

Successful candidates are able to deploy and administer Nutanix AOS 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.

EXAM DETAILS

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

PRICING

- The cost is **USD $199 per attempt**

KNOWLEDGE OBJECTIVES

SECTION 1 – NUTANIX ENTERPRISE CLOUD CONCEPTS

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

SECTION 2 – MANAGING A NUTANIX CLUSTER

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

SECTION 3 – SECURING A NUTANIX CLUSTER

- Given a scenario, configure RBAC
- Install SSL certificates
- Explain authentication and password management
- Explain Data-at-Rest Encryption (DARE) functionality

SECTION 4 – NETWORKING

- Given a scenario, configure networking
- Describe AHV networking components and configuration settings
- Describe AHV managed versus unmanaged networks
- Describe AHV Bond Modes

SECTION 5 – VM CREATION AND MANAGEMENT

- Identify tools and methods for migrating a VM
- Create and deploy VMs
- Given a scenario, modify VM configuration
- Given a scenario, configure Affinity rules
- Explain live migration

SECTION 6 – HEALTH MONITORING AND ALERTS

- Given a scenario, conduct a basic analysis of performance and health of the cluster and VMs
- Configure cluster monitoring

SECTION 7 – 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

SECTION 8 – ACROPOLIS STORAGE SERVICES

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

SECTION 9 – 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 VM data path redundancy

SECTION 10 – DATA PROTECTION

- Given a scenario, configure protection domains
- Describe Leap availability zones

SECTION 11 – PRISM CENTRAL

- Describe and differentiate Prism Element and Prism Central
- Identify methods for viewing information about VMs, clusters, hosts, disks, and storage containers
- Identify methods for creating and monitoring performance graphs, alerts, and statistics

SECTION 12 – LIFECYCLE OPERATIONS

- Given a scenario, recognize processes to start, stop, and expand a cluster
- Given a scenario, demonstrate how to start and shut down a node in a cluster and how to eject a node from a cluster
- Perform upgrades
- Install, upgrade, and reclaim licenses

BENEFITS

Once you earn 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

Nutanix Enterprise Cloud Administration Training Course

This hands-on training course explores the deployment, administration, and troubleshooting of a Nutanix Enterprise Cloud. Topics covered include managing and securing a Nutanix cluster, health monitoring and alerts, distributed storage fabric, data resiliency, cluster maintenance, and more.

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

Other Resources

- Certification Community
- The Nutanix Bible