

# Valid Exam NCP-MCI-6.10 Registration - 100% Pass

## Quiz Nutanix - NCP-MCI-6.10 - First-grade Nutanix

### Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) Mock Exams



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#### Nutanix NCP-MCI-6.10 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Conduct Custom Monitoring within a Nutanix Multicloud Environment: This section of the exam measures the skills of Cloud Analysts and Systems Engineers and covers custom monitoring for optimized performance management. Candidates must analyze performance charts, set retention policies, create custom service level agreements (SLAs), and manage storage based on policies. Creating reports involves identifying the required type, selecting generation frequency, determining retention properties, and customizing report formats for different monitoring needs. Effective monitoring ensures better resource utilization, system efficiency, and proactive issue resolution within the multi-cloud environment.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>Manage Clusters within a Nutanix Multicloud Environment: This section of the exam measures the skills of Infrastructure Engineers and Systems Administrators and covers the administration of Nutanix clusters. Storage management includes creating, reading, updating, and deleting storage containers and volume groups. Configuring AOS and Prism Central settings involves authentication, SSL certificate management, IAM role-based access control, and configuring network segmentation. Network administration procedures focus on creating VLAN-backed subnets, virtual switches, and load-balancing policies while monitoring NIC usage. Lifecycle management includes performing hardware and software updates and maintaining firmware. Hardware maintenance involves adding or removing nodes and physical disks while ensuring proper upgrades and replacements. Intelligent operations require configuring capacity policies, discovering application relationships, and simulating scenarios to optimize performance.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>Configure Disaster Recovery and Data Protection within a Nutanix Multicloud Environment: This section of the exam measures the skills of Disaster Recovery Specialists and Cloud Engineers and covers configuring protection policies and domains for data security and recovery. Candidates need to identify the right entities for protection, schedule backups, define retention policies, and set up replication to remote sites. Recovery plans must be configured and executed with proper scripting, network mapping, and failover strategies. Metro replication requires understanding failover methodologies, comparing solutions on different hypervisors, and preventing split-brain scenarios. Effective disaster recovery planning ensures minimal downtime and data integrity across environments.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>Troubleshoot a Nutanix Multicloud Environment: This section of the exam measures the skills of Technical Support Engineers and IT Operations Specialists and covers diagnosing and resolving common issues within a Nutanix multi-cloud environment. Troubleshooting protection policies and recovery plans requires identifying network mapping failures, vNIC issues, script execution problems, and connectivity failures. Metro replication troubleshooting involves addressing naming conventions, network limitations, and replication states. Security issues in AOS and Prism Central must be resolved by managing CVM communications, security warnings, and log analysis. LCM operations require diagnosing failures in inventory updates and version upgrades. Performance troubleshooting involves analyzing logs, reading performance charts, and adjusting VM configurations to meet performance needs.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>Manage VMs within a Nutanix Multicloud Environment: This section of the exam measures the skills of Cloud Administrators and Virtualization Engineers and covers managing virtual machines (VMs) within a Nutanix multicloud environment. It includes creating and updating VMs by determining hardware requirements, boot modes, sizing, and configuration based on application needs. Candidates must understand how to deploy VMs using templates, snapshots, and image configurations, ensuring the correct formats for importing and exporting VMs. Migration processes require knowledge of prerequisites, storage, network settings, and software compatibility. Additionally, configuring VM categories and attributes is essential for proper organization and management within the environment, ensuring alignment with labels, storage policies, and security settings.</li> </ul>

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## **Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) Sample Questions (Q27-Q32):**

### **NEW QUESTION # 27**

Within Intelligent Operations, Capacity Configurations have been set to Auto Detect for Reserve Capacity For Failure.

For an RF2 cluster with 10 nodes, what effect does this have on Capacity Runway?

- A. Reserves RAM and CPU from the fastest node to account for a single node failure.
- **B. Reserves CPU, RAM and storage from the largest node to account for a single node failure.**
- C. Reserves 10% of CPU, memory and storage to account for a single node failure.
- D. Reserves storage and memory from the largest node to account for a single node failure.

**Answer: B**

### NEW QUESTION # 28

An administrator wants to enable application discovery on a Nutanix cluster to monitor applications. A Prism Central instance is already configured with sufficient CPU and memory.

What other prerequisites must be met before enabling application discovery? (Choose two.)

- A. API key and key ID
- **B. Internet connection**
- C. Network controller is enabled
- **D. Sufficient Prism Central VM resources**

**Answer: B,D**

Explanation:

Application discovery in Prism Central requires sufficient Prism Central resources and an active internet connection to retrieve application signatures.

- \* Option A (Sufficient Prism Central VM resources) is correct:  
Prism Central needs adequate CPU and memory to process application signatures and discovery data.
- \* Option B (Internet connection) is correct:  
Application discovery depends on Nutanix's cloud database to recognize application patterns.
- \* Option C (API key and key ID) is incorrect:  
API keys are not required for automatic application discovery.
- \* Option D (Network controller enabled) is incorrect:  
Application discovery does not depend on a network controller feature.

References:

- \* Nutanix Prism Central Guide #Enabling and Using Application Discovery
- \* Nutanix KB #Requirements for Application Discovery in Prism Central

### NEW QUESTION # 29

An administrator attempted to enable Data-in-Transit Encryption on a Scale-Out Prism Central cluster to encrypt service-level traffic between nodes. However, the feature did not work correctly due to a firewall restriction.

Which CVM-specific port should be allowed through the firewall for Data-in-Transit Encryption?

- A. 0
- B. 1
- C. 2
- **D. 3**

**Answer: D**

### NEW QUESTION # 30

An administrator needs to optimize a VM's storage by leveraging compression features. The VM's vDisks are currently stored in a default storage container with no optimizations enabled.

How should the administrator proceed?

- A. Migrate the VM to the Production storage container.
- B. Recreate the vDisk in the Production storage container and copy data.
- **C. Migrate vDisks to the Production storage container.**
- D. Recreate the VM in the Production storage container and copy data.

## Answer: C

Explanation:

Moving vDisks to a storage container with compression enabled ensures better data efficiency without downtime.

\* Option A (Migrate vDisks) is correct:

\* vDisk migration is non-disruptive and allows compression settings to be applied dynamically.

\* Option B (Recreate the VM) is incorrect:

\* Rebuilding the VM is unnecessary and would cause downtime.

\* Option C (Migrate the VM) is incorrect:

\* VM migration does not guarantee that only vDisks move, and it may disrupt performance.

\* Option D (Recreate vDisk) is incorrect:

\* This method is manual and time-consuming, while Nutanix provides an automated approach.

References:

Nutanix Storage Optimization Guide # Enabling Compression on Existing vDisks Nutanix KB # Migrate vDisks Between Storage Containers for Optimization

## NEW QUESTION # 31

What is supported for creating a VM Template in Nutanix?

- A. VM is protected by Protection Domain-based DR.
- B. VM runs on the ESXi hypervisor.
- C. VM is an agent or a Prism Central VM.
- D. VM has disks located on RF2 containers.

## Answer: D

Explanation:

VM templates in Nutanix are supported only when the VM's disks reside on storage containers configured with Replication Factor 2 (RF2) or higher.

\* Option C (VM has disks on RF2 containers) is correct:

\* VM templates require a minimum RF2 for fault tolerance.

\* RF1 containers do not meet Nutanix best practices for VM templates.

\* Option A is incorrect:

\* VMs protected by Protection Domains can be cloned, but this is different from creating a VM template.

\* Option B is incorrect:

\* Agent VMs (e.g., Witness VMs) or Prism Central cannot be used as VM templates.

\* Option D is incorrect:

\* Nutanix VM templates are natively supported on AHV, not ESXi.

References:

\* Nutanix VM Management Guide # Creating and Managing VM Templates

\* Nutanix KB # Storage Requirements for VM Templates

## NEW QUESTION # 32

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