

# Exam Nutanix NCP-MCI-6.10 Questions Answers | Original NCP-MCI-6.10 Questions

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## Nutanix NCP-MCI Final Exam Questions and Answers 2024.

What is the expected behavior of the VMs residing on that host when a controller VM becomes unavailable?  
A. A Live Migration will be performed on the affected VMs.  
B. The host will automatically redirect I/O and VMs will continue running.  
C. The impacted host and VMs will automatically shut down.  
D. VM High Availability will restart the impacted VMs on another host

**Answer: B**

2. An administrator is implementing a VDI solution. The workload will be a series of persistent desktops in a dedicated storage container within a four-node cluster. Storage optimizations should be set on the dedicated storage container to give optimal performance including during a node failure event. Which storage optimizations should the administrator set to meet the requirements?

- A. Compression only
- B. Deduplication and Erasure Coding
- C. Compressor and Deduplication
- D. Compression Deduplication and Erasure Coding

**Answer: C**

3. An administrator has been alerted to a VM that has high I/O latency and wants to determine if there are any other factors, such as insufficient network or memory resources that correlate, as part of a troubleshooting process.

Which type of chart should the administrator create to allow all relevant data to be easily exported to CSV for later analysis?

- A. A VM entity chart with each of the relevant metrics.
- B. A cluster metric chart for each of the relevant metrics
- C. A cluster entity chart with each of the relevant metrics
- D. A VM metric chart for each of the relevant metrics

**Answer: D**

4. A configuration is single domain, single forest, and does not use SSL.

Which port number should be used to configure LDAP?

- A. 389
- B. 3269
- C. 636
- D. 3268

**Answer: A**

5. An administrator wants to use Volumes to connect to physical servers that are not able to be virtualized.

Which three things must be configured for Volumes to support iSCSI clients? (Choose three)

- A. Enable external client access
- B. Client OS iSCSI initiator
- C. iSCSI Multipathing I/O
- D. Cluster Virtual IP address

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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 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>
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>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 5	<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>

## Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) Sample Questions (Q35-Q40):

### NEW QUESTION # 35

If an administrator creates a report with no retention policy configured, how many instances of the report are retained by default?

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

**Answer: D**

Explanation:

By default, Nutanix Prism Central retains the last 10 instances of a report if no retention policy is configured.

Option B (10) is correct:

Nutanix stores up to 10 reports, after which older reports are automatically deleted.

Options A (5), C (15), and D (20) are incorrect:

While retention policies can be customized, the default setting is 10 reports.

References:

Nutanix Prism Central Guide #Report Generation and Retention Policies

Nutanix KB #How Reports Are Stored and Managed in Prism Central

### NEW QUESTION # 36

An administrator notices high CPU usage on a VM and wants to determine whether adding more vCPUs would improve performance. Which two metrics should be analyzed to make this decision? (Choose two.)

- **A. VM CPU Ready Time**
- B. Host CPU Usage
- **C. VM CPU Usage**
- D. Host Memory Swap Out Rate

**Answer: A,C**

Explanation:

When diagnosing CPU performance issues, CPU Ready Time and CPU Usage are the key indicators of whether more vCPUs are needed.

\* Option A (VM CPU Ready Time) is correct:

\* High CPU Ready Time means the VM is waiting for CPU resources, indicating CPU contention.

\* Option B (VM CPU Usage) is correct:

\* If CPU usage is consistently high, adding more vCPUs may improve performance.

\* Option C (Host CPU Usage) is incorrect:

\* Host-wide CPU usage does not indicate whether a specific VM needs more vCPUs.

\* Option D (Host Memory Swap Out Rate) is incorrect:

\* Memory swapping affects RAM performance, not CPU allocation.

References:

\* Nutanix Prism Central Guide #Analyzing VM CPU Performance

\* Nutanix KB #Understanding CPU Ready Time and VM Performance

### NEW QUESTION # 37

Which two actions occur by default on a node that is placed in Maintenance Mode? (Choose two.)

- **A. All eligible VMs on the host are migrated to other hosts in the cluster.**
- B. Non-migratable VMs are powered off and restarted on other hosts in the cluster.
- **C. Non-migratable VMs are powered off.**
- D. All eligible VMs on the host are powered off.

**Answer: A,C**

Explanation:

When a node is placed into Maintenance Mode, Nutanix follows a structured process to ensure service continuity and data integrity.

\* Option B (All eligible VMs on the host are migrated to other hosts) is correct:

- \* Live Migration automatically moves VMs to other hosts to avoid downtime.
- \* This ensures workloads remain operational during maintenance.
- \* Option D (Non-migratable VMs are powered off) is correct:
- \* Some VMs, such as those using GPU pass-through or local storage dependencies, cannot be live-migrated.
- \* These VMs must be powered off before placing the host into Maintenance Mode.
- \* Option A is incorrect:
- \* Non-migratable VMs are not automatically restarted on other hosts—they remain powered off until manually restarted.
- \* Option C is incorrect:
- \* Eligible VMs are live-migrated, not powered off.

References:

- \* Nutanix AHV Best Practices#Understanding Maintenance Mode Behavior
- \* Nutanix KB#VM Migration and Power-Off Scenarios in Maintenance Mode

### NEW QUESTION # 38

Which feature in Nutanix AHV provides network microsegmentation to enhance VM security?

- A. Acropolis SDN
- B. vSwitch
- **C. Flow**
- D. Nutanix Prism

**Answer: C**

### NEW QUESTION # 39

Which Nutanix feature allows users to clone multiple VMs from a single template efficiently?

- A. One-Click Upgrade
- **B. Fast Clone**
- C. Prism Central
- D. Image Service

**Answer: B**

### NEW QUESTION # 40

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