

# 100% Pass 2025 Nutanix NCP-MCI-6.10: Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10)–The Best Reliable Test Review



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

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Topic	Details
Topic 1	<ul style="list-style-type: none"> <li>• <b>Manage VMs within a Nutanix Multicloud Environment:</b> 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 2	<ul style="list-style-type: none"> <li>• <b>Manage Clusters within a Nutanix Multicloud Environment:</b> 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>• <b>Conduct Custom Monitoring within a Nutanix Multicloud Environment:</b> 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 4	<ul style="list-style-type: none"> <li>• <b>Configure Disaster Recovery and Data Protection within a Nutanix Multicloud Environment:</b> 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 5	<ul style="list-style-type: none"> <li>• <b>Troubleshoot a Nutanix Multicloud Environment:</b> 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 (Q119-Q124):

### NEW QUESTION # 119

An administrator needs to compare the performance of two VMs that are running on separate Nutanix clusters.

When creating an Analysis chart in Prism Central Intelligent Operations, the administrator discovers that it is not possible to add VM metrics for IOPS and CPU utilization to the same chart.

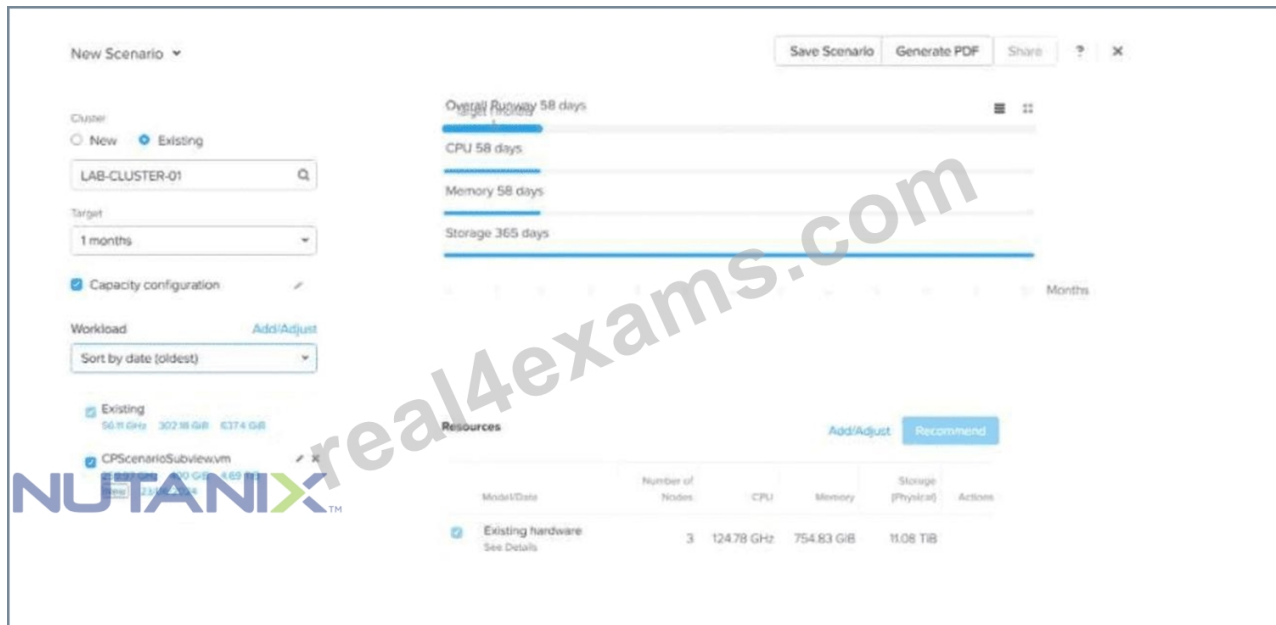
How should the administrator resolve this issue?

- A. Create separate charts for metrics with different units of measurement
- B. Create an Entity chart instead of a Metric chart.
- C. Ensure that both VMs have the same number of vCPUs provisioned.
- D. Migrate one of the VMs so that both VMs are running on the same cluster.

Answer: A

## NEW QUESTION # 120

Refer to Exhibit:



After adding new workloads, why is Overall Runway below 365 days and the scenario still shows the cluster is in good shape?

- A. Because Storage Runway is still good.
- B. Because there are recommended resources.
- C. Because new workloads are sustainable.
- D. Because the Target is 1 month.

Answer: C

Explanation:

In Nutanix Capacity Planning, Overall Runway represents how long the cluster can support current and new workloads before resources are exhausted.

\* Even if the runway is below 365 days, the system considers the cluster to be in good shape if new workloads are sustainable (Option B).

\* Option A is incorrect: Storage runway alone is not the only factor; CPU and memory are equally important.

\* Option C is incorrect: The presence of recommended resources does not mean the cluster is in good shape.

\* Option D is incorrect: The target of 1 month affects projections but does not explain why the cluster is in good shape.

References:

Nutanix Prism Central # Capacity Runway and Planning

Nutanix Bible # Workload Placement and Cluster Sizing

Nutanix Support KB # Capacity Planning Best Practices

## NEW QUESTION # 121

An administrator is configuring Protection Policies to replicate VMs to a Nutanix Cloud Cluster (NC2) over the internet. To comply with security policies, how should data be protected during transmission?

- A. Configure Data on a self-encrypting drive.
- B. Enable Data-in-Transit Encryption.
- C. Configure VMs to use UEFI Secure Boot.
- D. Enable Data-at-Rest Encryption.

**Answer: B**

Explanation:

Data-in-Transit Encryption ensures that replication traffic is encrypted while being sent over the internet.

\* Option D (Enable Data-in-Transit Encryption) is correct:

\* This encrypts replicated data between clusters, ensuring security against man-in-the-middle attacks.

\* Option A (Self-encrypting drive) is incorrect:

\* This protects data at rest, not during transmission.

\* Option B (UEFI Secure Boot) is incorrect:

\* Secure Boot prevents unauthorized OS modifications, but does not encrypt network traffic.

\* Option C (Data-at-Rest Encryption) is incorrect:

\* This encrypts stored data but does not secure replication traffic.

References:

\* Nutanix Security Guide #Configuring Data-in-Transit Encryption

\* Nutanix KB #Protecting Replication Traffic Over Public Networks

### NEW QUESTION # 122

An administrator is planning for an upcoming maintenance window. The administrator would like to minimize the chance of an upgrade failure during the maintenance window to ensure the updates will complete without issue.

What action should the administrator take to reduce the risk of any potential failures during an upgrade?

- A. Reboot each host one-at-a-time to ensure the reboots are successful.
- **B. Run an Upgrade Precheck from LCM.**
- C. Reboot each CVM one-at-a-time to ensure the reboots are successful.
- D. Upgrade AOS to the latest version from LCM.

**Answer: B**

### NEW QUESTION # 123

An administrator would like to plan for new project-related growth.

New project workload requirements have been included for a cluster named ClusterXYZ:

2 Medium Sized SQL Servers

10 VMs with 16Gb RAM, 4 vCPU, 100GB Storage

Which two additional information items should be added to the capacity planning scenario to provide a proper capacity runway expectation? (Choose two.)

- A. Change in Demand percentage
- B. Existing cluster hardware specifications
- **C. Storage compression ratio(s) for new workload**
- **D. Date(s) workload(s) will be added**

**Answer: C,D**

### NEW QUESTION # 124

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