



## **Nutanix**

### **Exam Questions NCP-MCI-6.10**

Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10)

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### NEW QUESTION 1

After adding new workloads, the Overall Runway is now below 365 days, but this scenario still shows the cluster is in good shape. Why?

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

**Answer: B**

#### Explanation:

A cluster runway below 365 days does not necessarily indicate an issue if Intelligent Operations determines that workloads are sustainable.

? Option B (Because new workloads are sustainable) is correct:

? Option A (Storage Runway is still good) is incorrect:

? Option C (Recommended resources) is incorrect:

? Option D (Target is 1 month) is incorrect:

References:

? Nutanix Prism Central Guide Capacity Planning & Runway Analysis

? Nutanix KB Understanding Capacity Runway and Workload Sustainability

### NEW QUESTION 2

The customer expects to maintain a cluster runway of 9 months. The customer doesn't have a budget for 6 months but they want to add new workloads to the existing cluster.



Based on the exhibit, what is required to meet the customer's budgetary timeframe?

- A. Add resources to the cluster.
- B. Postpone the start of new workloads.
- C. Delete workloads running on the cluster.
- D. Change the target to 9 months.

**Answer: A**

#### Explanation:

The exhibit shows that the overall runway is only 66 days, meaning that the current cluster does not have enough capacity to sustain workloads for 6 months, let alone 9 months.

? The best solution is to add resources to the cluster (Option A), such as CPU, memory, or storage, to extend the runway.

? Postponing new workloads (Option B) may help in the short term but does not align with the business need to continue adding workloads.

? Deleting workloads (Option C) is not a viable option because the customer wants to add more, not remove them.

? Changing the target to 9 months (Option D) does not change the actual resource constraints; it only alters the target timeframe.

References:

? Nutanix Prism Central Capacity Planning and Runway Analysis

? Nutanix Bible Cluster Resource Management and Scaling

? Nutanix Support KB How to Extend Cluster Runway with Resource Scaling

### NEW QUESTION 3

An administrator needs to create a storage container named TestData with the following conditions:

? Replication Factor (RF) = 1 (RF1)

? Inline Compression enabled

? Deduplication disabled

? Maximum storage capacity = 100 GiB

How should the administrator complete this task?

- A. Log into Prism Element and create the storage container with an Advertised Capacity of 100 GiB.
- B. Log into Prism Element and create the storage container.
- C. Log into Prism Central and create the storage container with a Reserved Capacity of 100 GiB.
- D. Log into Prism Central and create the storage container.

**Answer:** A

**Explanation:**

When creating a storage container in Nutanix, the administrator must configure the correct capacity settings:

- ? Option A (Prism Element with Advertised Capacity of 100 GiB) is correct:
- ? Option B (Create in Prism Element without Advertised Capacity) is incorrect:
- ? Option C (Create in Prism Central with Reserved Capacity) is incorrect:
- ? Option D (Create in Prism Central without capacity limits) is incorrect:

References:

- ? Nutanix Storage Management Guide Creating and Managing Storage Containers
- ? Nutanix Bible Replication Factor (RF) and Data Optimization
- ? Nutanix KB Inline Compression Best Practices in Nutanix AOS

**NEW QUESTION 4**

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. Configure VMs to use UEFI Secure Boot.
- C. Enable Data-at-Rest Encryption.
- D. Enable Data-in-Transit Encryption.

**Answer:** D

**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:
- ? Option A (Self-encrypting drive) is incorrect:
- ? Option B (UEFI Secure Boot) is incorrect:
- ? Option C (Data-at-Rest Encryption) is incorrect:

References:

- ? Nutanix Security Guide Configuring Data-in-Transit Encryption
- ? Nutanix KB Protecting Replication Traffic Over Public Networks

**NEW QUESTION 5**

An administrator needs to set up a protection policy in preparation for a Disaster Recovery (DR) test. What is the first step required to satisfy this task?

- A. Install NGT (Nutanix Guest Tools) on VMs where applications are supported.
- B. Create an Availability Zone between Production and DR.
- C. Convert the source cluster to AHV.
- D. Create a point-in-time snapshot of source VMs.

**Answer:** B

**Explanation:**

For Nutanix Disaster Recovery (DR) protection policies, the first step is to establish a connection between the Production cluster and the DR site, which is done by creating an Availability Zone (AZ) (Option B).

- ? Availability Zones (AZs) define remote sites for replication and are a requirement for configuring protection domains and disaster recovery plans.
- ? Option A (Installing NGT) is not necessary for setting up replication but is useful for application-consistent snapshots.
- ? Option C (Converting the source cluster to AHV) is not required, as Nutanix supports cross-hypervisor DR between ESXi and AHV.
- ? Option D (Creating a point-in-time snapshot) is a later step after setting up the Availability Zone and Protection Policy.

References:

- ? Nutanix Protection Policies and DR Documentation
- ? Nutanix Bible Disaster Recovery Planning
- ? Nutanix Support KB Configuring Availability Zones in Prism Central

**NEW QUESTION 6**

What is required to create a category in Nutanix?

- A. A name and a value
- B. A policy and an entity
- C. A service and a scope
- D. A catalog and a template

**Answer:** A

**Explanation:**

Categories in Nutanix are used to group resources and require only a name and a value for definition.

- ? Option A (A name and a value) is correct:
- ? Option B (Policy and Entity) is incorrect:
- ? Option C (Service and Scope) is incorrect:
- ? Option D (Catalog and Template) is incorrect:

References:

- ? Nutanix Prism Central Guide Creating and Managing Categories
- ? Nutanix KB Using Categories for RBAC and VM Grouping

**NEW QUESTION 7**

Which feature deploys a temporary VM that allows an administrator to log in and apply OS patches to a VM template?

- A. Create VM from Template
- B. Complete Guest OS Update
- C. Update Configuration
- D. Update Guest OS

**Answer: D**

**Explanation:**

The Update Guest OS feature (Option D) in Nutanix allows administrators to apply patches and updates to a VM template by creating a temporary VM instance for modification.

? How It Works:

? Option A (Create VM from Template) is incorrect:

? Option B (Complete Guest OS Update) is incorrect:

? Option C (Update Configuration) is incorrect:

References:

? Nutanix Prism Central Managing VM Templates and Guest OS Updates

? Nutanix Bible OS Management and Updates in Nutanix Environments

? Nutanix KB How to Patch OS in a Nutanix VM Template

**NEW QUESTION 8**

A user created a report in the Intelligent Operations Analysis Dashboard but forgot to download it. However, after logging back into Prism Central, the administrator finds that the report is no longer available.

What is the most likely cause?

- A. A user with Cluster Viewer role deleted the report.
- B. The user-generated report was archived.
- C. Reports are automatically deleted after 24 hours.
- D. The report is stored in the cluster's Prism Element.

**Answer: C**

**Explanation:**

In Nutanix Prism Central, user-generated reports in Intelligent Operations are stored for a limited time and then deleted automatically.

? Option C (Reports are automatically deleted after 24 hours) is correct:

? Option A (Cluster Viewer deleted the report) is incorrect:

? Option B (Report was archived) is incorrect:

? Option D (Report stored in Prism Element) is incorrect:

References:

? Nutanix Prism Central Guide Intelligent Operations & Report Retention Policies

? Nutanix KB Why Reports in Prism Central Are Not Persisting

**NEW QUESTION 9**

An administrator using a dark site deployment for LCM is attempting to upgrade to the latest BIOS.

After completing an inventory scan, the administrator does not see the expected BIOS version available for upgrade.

What is the most likely reason the latest BIOS is not shown?

- A. AOS needs to be upgraded first.
- B. The latest compatibility bundle has not been uploaded.
- C. The BMC version needs to be upgraded first.
- D. The dark site webserver is not accessible.

**Answer: B**

**Explanation:**

In a dark site deployment, LCM does not automatically fetch updates from the internet. The administrator must manually upload compatibility bundles.

? Option B (The latest compatibility bundle has not been uploaded) is correct:

? Option A is incorrect:

? Option C is incorrect:

? Option D is incorrect:

References:

? Nutanix LCM Guide Using Compatibility Bundles in Dark Sites

? Nutanix KB Troubleshooting Firmware Updates in Dark Site Deployments

**NEW QUESTION 10**

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. 2009
- B. 2010
- C. 2020
- D. 9440

**Answer: A**

**Explanation:**

Data-in-Transit Encryption in Nutanix requires inter-node communication over specific CVM ports.

? Option A (Port 2009) is correct:

- ? Option B (Port 2010) is incorrect:
- ? Option C (Port 2020) is incorrect:
- ? Option D (Port 9440) is incorrect:

References:

- ? Nutanix Security Guide Data-at-Rest vs. Data-in-Transit Encryption
- ? Nutanix KB Firewall Port Requirements for Secure Cluster Communication

#### NEW QUESTION 10

An administrator has been tasked with justifying why Nutanix Disaster Recovery was chosen for a multi-tier application spanning multiple business units. What is the most efficient way to organize and manage the workloads?

- A. Utilize a VM naming schema that allows sorting
- B. Utilize Categories to organize VMs in Recovery Plans
- C. Utilize a 1:10 ratio of Recovery Plan to VMs
- D. Utilize RESTful APIs to script creation of Recovery Plans

**Answer: B**

#### Explanation:

Nutanix Categories allow administrators to group related VMs, making Disaster Recovery (DR) planning easier.

- ? Option B (Utilize Categories to organize VMs in Recovery Plans) is correct:
- ? Option A (Naming schema) is incorrect:
- ? Option C (1:10 Recovery Plan to VMs) is incorrect:
- ? Option D (RESTful APIs) is incorrect:

References:

- ? Nutanix Disaster Recovery Guide Using Categories for DR Management
- ? Nutanix KB Organizing VMs for Disaster Recovery Planning

#### NEW QUESTION 15

Which update in LCM can an administrator apply on a per-node basis?

- A. AOS
- B. BMC
- C. NCC
- D. AHV

**Answer: B**

#### Explanation:

BMC (Baseboard Management Controller) updates can be applied per-node in Nutanix LCM, unlike AOS or AHV, which require cluster-wide upgrades.

- ? Option B (BMC) is correct:
- ? Option A (AOS) is incorrect:
- ? Option C (NCC) is incorrect:
- ? Option D (AHV) is incorrect:

References:

- ? Nutanix LCM User Guide Per-Node Firmware Updates
- ? Nutanix KB How to Upgrade BMC Using LCM

#### NEW QUESTION 18

Due to application requirements, an administrator needs to support a multicast configuration in an AHV cluster.

Which AHV feature can be used to optimize network traffic so that multicast traffic is only forwarded to the VMs that need to receive it?

- A. LACP
- B. UDP
- C. IGMP Snooping
- D. Network Segmentation

**Answer: C**

#### Explanation:

Multicast traffic can generate unnecessary overhead if it is not properly managed. IGMP Snooping (Option C) ensures that multicast packets are only sent to VMs that have requested them, rather than broadcasting to all VMs.

- ? Option C (IGMP Snooping) is correct:
- ? Option A (LACP) is incorrect:
- ? Option B (UDP) is incorrect:
- ? Option D (Network Segmentation) is incorrect:

References:

- ? Nutanix AHV Networking Guide Enabling IGMP Snooping
- ? Nutanix Bible Network Traffic Optimization in AHV
- ? Nutanix KB Best Practices for Multicast Traffic in AHV

#### NEW QUESTION 19

An administrator has configured AHV Metro Availability with Witness and is testing failover scenarios.

During testing, the administrator disconnects the primary and recovery clusters but Prism Central remains connected to the recovery site.

What are two expected system behaviors? (Choose two.)

- A. Guest VM I/O operations pause (freeze) until connectivity is restored.
- B. Guest VM I/O operations pause (freeze) until connectivity between Prism Central and the primary site is restored.
- C. Guest VMs failover automatically to the recovery cluster.

D. Guest VMs continue to run on the primary cluster.

**Answer:** AC

**Explanation:**

When connectivity between Metro clusters is lost, Nutanix Metro Availability ensures data integrity using Witness for automatic failover.

? Option A (Guest VM I/O operations pause until connectivity is restored) is correct:

? Option C (Guest VMs failover automatically to the recovery cluster) is correct:

? Option B is incorrect:

? Option D is incorrect:

References:

? Nutanix Metro Availability GuideHow Witness Handles Failover Scenarios

? Nutanix KBI/O Freezing and Failover Behavior in Metro Clusters

**NEW QUESTION 23**

What is supported for creating a VM Template in Nutanix?

A. VM is protected by Protection Domain-based DR.

B. VM is an agent or a Prism Central VM.

C. VM has disks located on RF2 containers.

D. VM runs on the ESXi hypervisor.

**Answer:** C

**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:

? Option A is incorrect:

? Option B is incorrect:

? Option D is incorrect:

References:

? Nutanix VM Management GuideCreating and Managing VM Templates

? Nutanix KBStorage Requirements for VM Templates

**NEW QUESTION 28**

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