



## **Nutanix**

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

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

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### NEW QUESTION 1

The team leads of a development environment want to limit developer access to a specific set of VMs. What is the most efficient way to enable the team leads to directly manage these VMs?

- A. Create a role mapping for each team lead and assign appropriately.
- B. Create a vPC for each team lead and give them VPC Admin.
- C. Create a Project for each team lead and assign access.
- D. Create Security Policies to isolate users.

**Answer: C**

#### Explanation:

The most efficient way to allow team leads to manage a specific set of VMs is by creating a Project (Option C) in Prism Central and assigning the team leads to that Project.

? Nutanix Projects allow administrators to control VM access based on groups and permissions, ensuring that users only manage VMs assigned to their project.

? Option A (Role Mapping) applies more broadly to roles but does not restrict access to specific VM groups.

? Option B (VPC Admin) is related to network segmentation, not VM access control.

? Option D (Security Policies) are used for network and firewall rules, not VM access control.

References:

? Nutanix Prism Central Projects and Role-Based Access Control (RBAC)

? Nutanix Bible Multi-Tenancy and Project-Based Access Control

? Nutanix KB Setting Up Role-Based Access Control (RBAC) for Prism Central

### NEW QUESTION 2

In a five-node cluster, an administrator noticed that three VMs are consuming too many resources on a single host. Acropolis Dynamic Scheduling (ADS) is not able to migrate these VMs. What is the most likely reason preventing ADS from migrating these VMs?

- A. VMs use a Volume Group.
- B. VMs use GPU pass-through.
- C. VM-VM anti-affinity policy is set.
- D. VMs use external Network Attached Storage.

**Answer: B**

#### Explanation:

VMs using GPU pass-through cannot be live-migrated because they are directly tied to a physical GPU on a specific host.

? Option B (VMs use GPU pass-through) is correct:

? Option A (VMs use a Volume Group) is incorrect:

? Option C (VM-VM anti-affinity) is incorrect:

? Option D (VMs use external NAS) is incorrect:

References:

? Nutanix AHV Best Practices GPU Pass-through and VM Migration Limitations

? Nutanix KB Why Can't I Live Migrate a VM with GPU Passthrough?

### NEW QUESTION 3

Which two URLs must be accessible from a Connected Site's Controller VMs to allow Life Cycle Manager (LCM) to download software updates?

- A. download.nutanix.com
- B. mynutanix.com
- C. release-api.nutanix.com
- D. portal.nutanix.com

**Answer: AC**

#### Explanation:

LCM (Life Cycle Manager) fetches software updates from Nutanix's repositories, requiring access to specific URLs.

? Option A (download.nutanix.com) is correct:

? Option C (release-api.nutanix.com) is correct:

? Option B (mynutanix.com) is incorrect:

? Option D (portal.nutanix.com) is incorrect:

References:

? Nutanix LCM Guide Firewall Rules for LCM Connectivity

? Nutanix KB Troubleshooting LCM Update Failures

### NEW QUESTION 4

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 5**

Which predefined view in Prism Central's Intelligent Operations should be used to determine which VM is consuming excessive resources and causing performance issues for others?

- A. Inactive VMs List
- B. Overprovisioned VMs List
- C. Bully VMs List
- D. Constrained VMs List

**Answer: C**

**Explanation:**

The Bully VMs List (Option C) in Prism Central's Intelligent Operations identifies VMs consuming excessive CPU, memory, or storage, which negatively affects other VMs.

- ? Option A (Inactive VMs List) is used for identifying unused VMs but does not detect performance issues.
- ? Option B (Overprovisioned VMs List) helps identify VMs with excessive allocated resources, but it does not focus on live performance impact.
- ? Option D (Constrained VMs List) highlights VMs suffering from resource contention, not those causing it.

References:

- ? Nutanix Prism Central Intelligent Operations and Performance Tuning
- ? Nutanix KB Identifying and Managing Resource-Hogging VMs

**NEW QUESTION 6**

An administrator wants to clean up inactive VMs using VM Efficiency in Nutanix. The business requires that VMs must be inactive for 120 days before deletion. A Playbook was created to delete Dead and Zombie VMs with a 99-day wait period after they are marked inactive. How long will have passed before these VMs are deleted? (Choose two.)

- A. For Dead VMs, the wait before deletion is 120 days.
- B. For Zombie VMs, the wait before deletion is 129 days.
- C. For Dead VMs, the wait before deletion is 129 days.
- D. For Zombie VMs, the wait before deletion is 120 days.

**Answer: BC**

**Explanation:**

Dead VMs and Zombie VMs are different classifications of inactive VMs in Nutanix, and their deletion timelines depend on Playbook configuration.

- ? Dead VMs Considered inactive after 30 days, then must wait 99 more days before deletion.
- ? Zombie VMs Considered inactive after 30 days, then must wait 99 more days before deletion.

References:

- ? Nutanix Prism Central Guide Using VM Efficiency to Manage Inactive VMs
- ? Nutanix KB Configuring Playbooks for Automatic VM Cleanup

#### NEW QUESTION 7

An administrator receives complaints about VM performance.

After reviewing the VM's CPU Ready Time data, which step should the administrator take to diagnose the issue further?

- A. Check the number of vCPUs assigned to each CVM.
- B. Review host CPU utilization.
- C. Assess cluster SSD capacity.
- D. Enable VM memory oversubscription.

**Answer: B**

#### Explanation:

CPU Ready Time indicates how long a VM waits for CPU resources due to contention.

? Option B (Review host CPU utilization) is correct:

? Option A (Check CVM vCPUs) is incorrect:

? Option C (Assess SSD capacity) is incorrect:

? Option D (Enable VM memory oversubscription) is incorrect:

References:

? Nutanix Prism Central Guide Troubleshooting VM Performance

? Nutanix KB Identifying High CPU Ready Time and Solutions

#### NEW QUESTION 8

An administrator needs to enable Windows Defender Credential Guard to comply with company policy.

The new VM configurations include:

? Legacy BIOS

? 4 vCPUs

? 8 GB RAM

? Windows Server 2019

What must be changed in order to properly enable Windows Defender Credential Guard?

- A. Update vCPU to 8.
- B. Enable UEFI with Secure Boot.
- C. Use Windows Server 2022.
- D. Update Memory to 16GB.

**Answer: B**

#### Explanation:

Windows Defender Credential Guard requires UEFI firmware and Secure Boot to function properly.

? Option B (Enable UEFI with Secure Boot) is correct:

? Option A (Update vCPU to 8) is incorrect:

? Option C (Use Windows Server 2022) is incorrect:

? Option D (Update Memory to 16GB) is incorrect:

References:

? Microsoft Docs Requirements for Windows Defender Credential Guard

? Nutanix AHV VM Management Guide Enabling Secure Boot & UEFI for Windows VMs

#### NEW QUESTION 9

In an RF2 cluster, what is the minimum number of nodes required to allow a host removal?

- A. 2
- B. 3
- C. 4
- D. 5

**Answer: B**

#### Explanation:

Replication Factor (RF2) means that each piece of data is stored twice across different nodes to ensure availability.

? Option B (3 nodes) is correct:

? Option A (2 nodes) is incorrect:

? Option C (4 nodes) and Option D (5 nodes) are incorrect:

References:

? Nutanix Bible Replication Factor (RF) and Fault Tolerance

? Nutanix Prism Element Guide Managing Node Failures and Removals

#### NEW QUESTION 10

An administrator is preparing for a firmware upgrade on a host and wants to manually migrate VMs before executing the LCM upgrade. However, one VM is unable to migrate while others migrate successfully.

Which action would fix the issue?

- A. Enable Acropolis Dynamic Scheduling (ADS) at the cluster level.
- B. Update Link Layer Discovery Protocol (LLDP).
- C. Disable Agent VM within the VM configuration options.
- D. Configure backplane port groups that are assigned to the CVM.

**Answer:** C

**Explanation:**

If a VM is unable to migrate, the most likely cause is that it is an Agent VM (such as a Nutanix Witness VM or a VM with special dependencies).

? Option C (Disable Agent VM) is correct:

? Option A (Enable ADS) is incorrect:

? Option B (Update LLDP) is incorrect:

? Option D (Configure backplane port groups) is incorrect:

References:

? Nutanix Prism Element Guide Managing Agent VM Settings

? Nutanix Bible Host Maintenance and VM Live Migration

? Nutanix KB Troubleshooting VM Migration Failures in AHV

**NEW QUESTION 10**

After upgrading Prism Central from PC2022.1 to PC2024.1, an administrator is unable to log in with their IAM domain account.

What is the first troubleshooting step the administrator should take?

A. Ping the Domain Controller from the CVM.

B. Ensure port 9441 is open in the firewall.

C. Validate the trusted signing certificate of the organization.

D. Log in with a local admin account.

**Answer:** D

**Explanation:**

After a Prism Central upgrade, IAM authentication settings may require reconfiguration.

? Option D (Log in with a local admin account) is correct:

? Option A (Ping the Domain Controller) is incorrect:

? Option B (Check firewall port 9441) is incorrect:

? Option C (Validate signing certificate) is incorrect:

References:

? Nutanix KB Troubleshooting IAM Login Issues After a Prism Central Upgrade

? Nutanix Documentation Managing User Authentication and IAM Integration

**NEW QUESTION 11**

An administrator wants to ensure that user VMs on AHV hosts can take advantage of bandwidth beyond a single adapter in a bond.

Which uplink Bond Type should the administrator configure to accomplish this?

A. No Uplink Bond

B. Active-Active

C. Active-Active with MAC pinning

D. Active-Backup

**Answer:** B

**Explanation:**

Active-Active bonding allows multiple network interfaces to be used simultaneously, improving bandwidth and redundancy.

? Option B (Active-Active) is correct:

? Option A (No Uplink Bond) is incorrect:

? Option C (Active-Active with MAC pinning) is incorrect:

? Option D (Active-Backup) is incorrect:

References:

? Nutanix AHV Networking Guide Bonding Modes and Load Balancing

? Nutanix KB Optimizing Network Throughput in AHV

**NEW QUESTION 12**

How can a VM or Volume Group (VG) be associated with a Storage Policy?

A. Assign the Storage Policy directly on the VM or VG.

B. Assign the VM or VG directly to the Storage Policy.

C. Migrate the VM or VG to the Storage Container assigned to the Storage Policy.

D. Assign the VM or VG to the same Category as the Storage Policy.

**Answer:** D

**Explanation:**

Storage Policies in Nutanix are applied through Categories, allowing policy-based automation and enforcement.

? Option D (Assign the VM or VG to the same Category as the Storage Policy) is correct:

? Option A is incorrect:

? Option B is incorrect:

? Option C is incorrect:

References:

? Nutanix Storage Management Guide Using Categories for Policy-Based Storage Management

? Nutanix KB Best Practices for Applying Storage Policies to VMs

**NEW QUESTION 13**

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

**Answer:** AB

**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:

? Option B (Internet connection) is correct:

? Option C (API key and key ID) is incorrect:

? Option D (Network controller enabled) is incorrect:

References:

? Nutanix Prism Central Guide Enabling and Using Application Discovery

? Nutanix KB Requirements for Application Discovery in Prism Central

**NEW QUESTION 18**

An administrator is experiencing storage performance issues on a Windows Server 2019 VM with the following configuration:

? vCPU: 1

? VRAM: 8 GB

? vSCSI: VirtIO SCSI Controller

? vDisk: 2 (100 GB, 250 GB)

? vNIC: VirtIO Fast Ethernet

The AHV cluster is healthy, and other Windows VMs are performing well.

Which configuration change should be reviewed to enhance VM performance?

- A. Add a second virtual storage controller (vSCSI).
- B. Enable Balance-TCP on bridge (br0).
- C. Increase Controller VM (CVM) resources.
- D. Increase the VM's number of vCPUs.

**Answer:** D

**Explanation:**

A single vCPU is likely causing a bottleneck, limiting the VM's ability to process I/O requests efficiently.

? Option D (Increase the VM's number of vCPUs) is correct:

? Option A is incorrect:

? Option B is incorrect:

? Option C is incorrect:

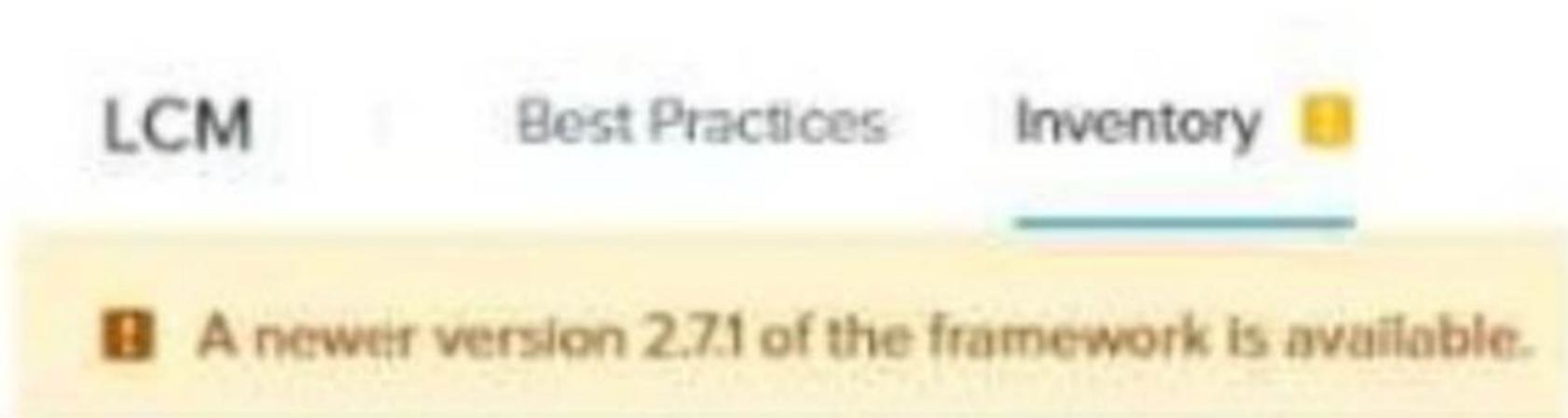
References:

? Nutanix AHV Performance Tuning Guide

? Nutanix KB Optimizing Windows VM Performance on AHV

**NEW QUESTION 20**

Refer to Exhibit:



An administrator notices the message shown in the exhibit when navigating to LCM from Prism Central.

Which action should the administrator take to update LCM to the latest version?

- A. Run an AOS upgrade.
- B. Run an AHV upgrade.
- C. Perform an Inventory Scan.
- D. Download and install the latest LCM version from a CVM.

**Answer:** C

**Explanation:**

When Life Cycle Manager (LCM) reports that a newer framework version is available, the correct action is to perform an inventory scan (Option C).

? Performing an inventory scan updates the available firmware/software versions and allows LCM to download required updates.

? Option A (Run an AOS upgrade) is unrelated to the LCM framework update process.

? Option B (Run an AHV upgrade) is a separate component update and does not affect the LCM framework.

? Option D (Download manually from a CVM) is not necessary because LCM updates are automatically pulled after an inventory scan.

References:

- ? Nutanix LCM User Guide Updating LCM Framework and Performing Inventory Scans
- ? Nutanix KB Best Practices for LCM Updates
- ? Nutanix Prism Central LCM Update Workflow

#### NEW QUESTION 25

An administrator is responsible for resource planning and needs to plan for resiliency of a 10-node RF3 cluster. The cluster has 100TB of storage. How should the administrator plan for capacity in the event of future failures?

- A. Set Reserve Storage Capacity (%) to 20.
- B. Set Reserve Capacity for Failure to None.
- C. Set Reserve Capacity for Failure to Auto Detect.
- D. Set Reserve Memory Capacity (%) to 20.

**Answer: C**

#### Explanation:

RF3 (Replication Factor 3) clusters require sufficient reserved capacity to tolerate failures without data loss.

? Option C (Set Reserve Capacity for Failure to Auto Detect) is correct:

? Option A (Set Reserve Storage Capacity to 20%) is incorrect:

? Option B (Set Reserve Capacity for Failure to None) is incorrect:

? Option D (Set Reserve Memory Capacity to 20%) is incorrect:

References:

? Nutanix Bible Understanding Replication Factor (RF) and Failure Planning

? Nutanix Prism Element Guide Configuring Reserve Capacity for Cluster Resiliency

? Nutanix KB How to Plan Capacity for RF3 Clusters

#### NEW QUESTION 29

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 34

An administrator started an LCM upgrade of the AHV hosts but realized that the upgrade would exceed the planned maintenance window. Which feature should be leveraged to prevent additional updates from occurring?

- A. Cancel the LCM tasks via the Ergon command line (ecli).
- B. Run the `lcm_task_cleanup.py` script.
- C. Restart Genesis on the cluster to restart the LCM service.
- D. Use the Stop Update feature in LCM.

**Answer: D**

#### Explanation:

When performing a Life Cycle Manager (LCM) upgrade, the recommended way to stop the process is to use the "Stop Update" feature in LCM (Option D).

? Option A (Cancel via Ergon ecli) is not a recommended approach since manually interfering with running tasks can cause inconsistencies.

? Option B (`lcm_task_cleanup.py` script) is used for post-upgrade cleanup but does not stop ongoing updates.

? Option C (Restarting Genesis) does not stop an LCM upgrade and can cause instability.

References:

? Nutanix Life Cycle Manager (LCM) User Guide

? Nutanix KB: Best Practices for Stopping and Restarting LCM Tasks

? Nutanix Prism Central LCM Feature Documentation

#### NEW QUESTION 39

What feature allows receiving a weekly message about infrastructure performance summary?

- A. Admin Center Life Cycle Manager
- B. Prism Central Syslog
- C. Infrastructure VMs List
- D. Intelligent Operations Reports

**Answer: D**

**Explanation:**

Nutanix Intelligent Operations Reports (Option D) provide weekly summaries of cluster health, performance, and resource consumption.  
 ? These reports include recommendations for optimization, alerts, and forecasted resource usage trends.  
 ? Option A (Admin Center LCM) manages firmware and software upgrades but does not generate weekly performance reports.  
 ? Option B (Prism Central Syslog) is used for logging and event tracking, not performance summaries.  
 ? Option C (Infrastructure VMs List) provides a static list of VMs but does not generate periodic reports.  
 References:  
 ? Nutanix Prism Central Intelligent Operations and Reports  
 ? Nutanix Bible Automated Insights for Cluster Health Monitoring  
 ? Nutanix KB Using Intelligent Operations Reports for Capacity Planning

**NEW QUESTION 44**

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 48**

An administrator wants to disable password-based SSH access for the nutanix user on a CVM to improve security. What action should the administrator take?

- A. Rename the nutanix user.
- B. Block port 22 on the CVM firewall.
- C. Enable Cluster Lockdown.
- D. Delete the nutanix user.

**Answer: C**

**Explanation:**

Enabling "Cluster Lockdown" in Nutanix is the best security measure to prevent password-based SSH logins.  
 ? Option C (Enable Cluster Lockdown) is correct:  
 ? Option A (Rename the nutanix user) is incorrect:  
 ? Option B (Block port 22) is incorrect:  
 ? Option D (Delete the nutanix user) is incorrect:  
 References:  
 ? Nutanix Security Guide Implementing Cluster Lockdown  
 ? Nutanix KB Best Practices for SSH Security on CVMs

**NEW QUESTION 51**

Refer to the Exhibit:

Host 1 (128 GB)			
VMs	VM Memory (GB)	Utilized Memory (GB)	Unutilized Memory (GB)
VM1	64 GB	48 GB	16 GB
VM2	32 GB	20 GB	12 GB
VM3	32 GB	24 GB	8 GB
Total	128 GB	92 GB	36 GB

An administrator needs to create two virtual machines: VM4 and VM5 that leverage the memory over-commit feature. Once VM4 is created and running, the administrator notices that it uses only 28GB of RAM. What will be the maximum RAM that can be allocated to VM5 so that it can be powered on?

- A. 4GB
- B. 8GB
- C. 16GB
- D. 32GB

**Answer: B**

**Explanation:**

Understanding the Exhibit & Memory Allocation

- ? The host has 128GB of physical RAM.
- ? The current memory allocation across three VMs (VM1, VM2, VM3) is 128GB, but only 92GB is actually utilized.
- ? This means there is 36GB of unutilized memory available for allocation.

Step-by-Step Breakdown

- ? Existing Memory Usage Before Adding VM4
- ? After Creating and Running VM4
- ? Maximum Memory Allocation for VM5

Evaluating the Answer Choices

- ? (A) 4GB (Incorrect)
- ? (B) 8GB (Correct)
- ? (C) 16GB (Incorrect)
- ? (D) 32GB (Incorrect)

Key Concept: Nutanix Memory Overcommit

- ? Nutanix AHV supports memory overcommit, meaning VMs can be allocated more memory than physically available using memory ballooning and swapping.
- ? However, to power on VM5 without impacting performance, it must fit within the available unutilized memory, which is 36GB.

**NEW QUESTION 56**

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 Guide How Witness Handles Failover Scenarios
- ? Nutanix KBI/O Freezing and Failover Behavior in Metro Clusters

**NEW QUESTION 59**

Refer to Exhibit:

Cluster Details ✕

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Virtual IP / FQDN is used to access the PC VM Cluster.

Cluster Name

Unnamed

FQDN

Virtual IP

In a scale-out Prism Central deployment, what additional functionality does configuring an FQDN instead of a Virtual IP provide?

- A. Load balancing
- B. Resiliency
- C. Segmentation
- D. SSL Certificate

**Answer:** A

**Explanation:**

When using FQDN instead of a Virtual IP in a scale-out Prism Central deployment, Nutanix enables load balancing across multiple Prism Central instances. ? Option A (Load balancing) is correct because it ensures that requests are distributed among multiple Prism Central nodes, improving performance and redundancy.

? Option B (Resiliency) is incorrect because resiliency is achieved through HA and replication, not through FQDN configuration.

? Option C (Segmentation) is incorrect because network segmentation is handled at the VLAN or security policy level.

? Option D (SSL Certificate) is incorrect because SSL certificates can be applied regardless of whether FQDN or Virtual IP is used.

References:

? Nutanix Prism Central Deployment Guide

? Nutanix Best Practices for Scale-Out Prism Central

? Nutanix Support KB: Configuring FQDN for Prism Central

**NEW QUESTION 62**

An administrator migrated a physical MySQL database from a legacy 3-tier environment to a Nutanix cluster.

After migration, the administrator finds that at peak load, the number of IOPS is lower than expected, and latency is higher.

Which two steps should the administrator take to improve performance? (Choose two.)

A. Ensure that the SQL data vDisks are thick provisioned.

B. Create additional vDisks for SQL data.

C. Use LVM to stripe the SQL data across multiple vDisks.

D. Ensure that the SQL data vDisks are thin provisioned.

**Answer:** BC

**Explanation:**

For high-performance databases like MySQL, optimizing storage access is critical.

? Option B (Create additional vDisks for SQL data) is correct:

? Option C (Use LVM to stripe SQL data across multiple vDisks) is correct:

? Option A (Thick provisioned vDisks) is incorrect:

? Option D (Thin provisioned vDisks) is incorrect:

References:

? Nutanix Bible Optimizing SQL Performance on Nutanix

? Nutanix KB Best Practices for Running MySQL on Nutanix

**NEW QUESTION 65**

An administrator is managing a 4-node cluster with different hardware generations:

? Two G5 Nodes 2 CPUs (12 cores), 1 SSD (1.92 TB), 2 HDDs (4 TB).

? Two G7 Nodes 2 CPUs (16 cores), 2 SSDs (1.92 TB), 4 HDDs (4 TB).

The cluster will be decommissioned from production and used for Disaster Recovery (DR) purposes with an RPO of 1 hour.

What is the best approach when replacing G5 nodes without impacting performance?

A. New node must have at least 2 SSDs.

B. New node must be G7 or G8.

C. New node must have 2 CPUs with 12 cores.

D. New node must be hybrid.

**Answer:** A

**Explanation:**

For optimal Disaster Recovery performance, new nodes must match or exceed the storage performance of existing nodes.

? Option A (New node must have at least 2 SSDs) is correct:

? Option B is incorrect:

? Option C is incorrect:

? Option D is incorrect:

References:

? Nutanix Hardware Guide Choosing Nodes for Hybrid and DR Clusters

? Nutanix KB Balancing Storage Across Different Hardware Generations

**NEW QUESTION 70**

When expanding a cluster, what is required to automatically discover new nodes?

A. New nodes must have the same hypervisor version.

B. IPv6 multicast must be allowed on physical switches.

C. New nodes must have the same AOS version.

D. IPv4 multicast must be allowed on physical switches.

**Answer:** D

**Explanation:**

Nutanix uses IPv4 multicast for automatic node discovery and cluster expansion.

? Option D (IPv4 multicast must be allowed) is correct:

? Option A (Hypervisor version must match) is incorrect:

? Option B (IPv6 multicast) is incorrect:

? Option C (AOS version must match) is incorrect:

References:

? Nutanix Best Practices Cluster Expansion & Auto-Discovery

? Nutanix KB Why Nutanix Requires IPv4 Multicast for Node Discovery

#### NEW QUESTION 75

An administrator needs to perform an LCM upgrade on an AHV host with GPUs. What additional step is required before upgrading the host?

- A. Create an agent VM on each host that has GPU drivers installed.
- B. Run LCM in dark site mode so it can update AHV independently.
- C. Use Direct Uploads to upload appropriate driver bundles.
- D. Update NCC to the latest version and re-run Inventory.

**Answer: C**

#### Explanation:

Upgrading an AHV host with GPUs requires that the correct GPU drivers be manually uploaded to LCM, as GPU firmware is not updated automatically.

? Option C (Use Direct Uploads to upload appropriate driver bundles) is correct:

? Option A is incorrect:

? Option B is incorrect:

? Option D is incorrect:

References:

? Nutanix LCM Guide Manually Uploading GPU Firmware Bundles

? Nutanix KB Updating AHV Hosts with GPUs

#### NEW QUESTION 80

An administrator has successfully configured Metro Availability for a Protection Domain. However, after a few days, an NCC warning is raised:

"Following VMs are accessing data from remote clusters: VM-1 from remote cluster Remote-ML"

What is the first action an administrator must take to fix the issue?

- A. Run the command: `ncli pd list metro-avail=true | egrep "Protection Domain Stretch Role" | grep "ACTIVE"`
- B. Use must-affinity rules to avoid automated VM migration to the standby data store.
- C. Migrate the VM to its primary site and set appropriate rules for DRS and affinity.
- D. Run the command: `ncc health_checks metro_availability_checks data_locality_check --cvm_list=X.X.X.20`

**Answer: C**

#### Explanation:

Metro Availability requires that VMs always read data from their primary site to maintain optimal performance and prevent remote data access latency.

? Option C (Migrate the VM to its primary site and set appropriate rules) is correct:

? Option A is incorrect:

? Option B is incorrect:

? Option D is incorrect:

References:

? Nutanix Bible Metro Availability and Data Locality

? Nutanix Best Practices VM Affinity Rules for Metro Availability

? Nutanix KB Troubleshooting Remote Data Access in Metro Availability

#### NEW QUESTION 82

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## Relate Links

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