

# Nutanix

## Exam Questions NCP-MCI-6.10

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



#### NEW QUESTION 1

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

- A. 5
- B. 10
- C. 15
- D. 20

**Answer: B**

#### 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:

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

References:

? Nutanix Prism Central Guide Report Generation and Retention Policies

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

#### NEW QUESTION 2

An administrator wants to ensure that VMs can be migrated and restarted on another node in the event of a single-host failure. What action should be taken in Prism Element to meet this requirement?

- A. Set Redundancy Factor to 3.
- B. Enable HA Reservation.
- C. Configure a Protection Domain.
- D. Configure an RF1 storage container.

**Answer: B**

#### Explanation:

To ensure VM high availability (HA) in the event of a node failure, the administrator must enable HA Reservation (Option B) in Prism Element.

? High Availability (HA) in Nutanix ensures that VMs restart on another available node if the host they are running on fails.

? Option A (Redundancy Factor 3) affects storage redundancy, not VM failover.

? Option C (Protection Domains) is related to disaster recovery (DR), not local HA failover.

? Option D (RF1 Storage Container) would reduce fault tolerance and is not recommended for production environments.

References:

? Nutanix Prism Element Guide Configuring HA Reservation

? Nutanix Bible High Availability (HA) and Failover

? Nutanix Support KB VM Recovery with HA Enabled

#### NEW QUESTION 3

Which two entities can be categorized? (Choose two.)

- A. Storage Containers
- B. Alerts
- C. Virtual Machines
- D. ISO Images

**Answer: BC**

#### Explanation:

In Nutanix Prism Central, categories allow administrators to group and organize entities for management, automation, and policy enforcement.

? Alerts (Option B) can be categorized to group similar system events and create filtering rules.

? Virtual Machines (Option C) can be categorized to apply security policies, automation tasks, and resource allocation rules.

? Option A (Storage Containers) cannot be categorized in Prism Central. Storage policies apply at the container level but are not managed via categories.

? Option D (ISO Images) cannot be categorized because ISOs are static objects, not active entities.

References:

? Nutanix Prism Central Guide Working with Categories

? Nutanix Bible Category-Based Management and Security Policies

? Nutanix KB Using Categories for VM Management in Prism Central

#### NEW QUESTION 4

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 5

An administrator needs to ensure that a VM is powered on before the rest of the VMs when starting a host.

Which configuration option allows this behavior?

- A. Recovery Plan
- B. Host Affinity
- C. High Availability
- D. Agent VM

**Answer: C**

#### Explanation:

High Availability (HA) in Nutanix provides priority-based VM restart capabilities to ensure that certain VMs are powered on before others in the event of a host reboot or failure.

? Option C (High Availability) is correct:

? Option A (Recovery Plan) is incorrect:

? Option B (Host Affinity) is incorrect:

? Option D (Agent VM) is incorrect:

References:

? Nutanix Prism Element Guide Configuring HA Reservation and VM Priority

? Nutanix Bible High Availability (HA) and VM Failover

? Nutanix KB VM Restart Priority in High Availability Configurations

#### NEW QUESTION 6

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:

In a scale-out Prism Central deployment, using an FQDN (Fully Qualified Domain Name) enables load balancing across multiple Prism Central instances.

? Option A (Load balancing) is correct:

? Option B (Resiliency) is incorrect:

? Option C (Segmentation) is incorrect:

? Option D (SSL Certificate) is incorrect:

References:

? Nutanix Prism Central Guide Configuring Scale-Out Deployment

? Nutanix KB How FQDN Enhances Load Balancing in Scale-Out Prism Central

#### NEW QUESTION 7

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

**Answer: A**

#### Explanation:

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

? Option A (Migrate vDisks) is correct:

? Option B (Recreate the VM) is incorrect:

? Option C (Migrate the VM) is incorrect:

? Option D (Recreate vDisk) is incorrect:

References:

? Nutanix Storage Optimization Guide Enabling Compression on Existing vDisks

? Nutanix KB Migrate vDisks Between Storage Containers for Optimization

#### NEW QUESTION 8

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.

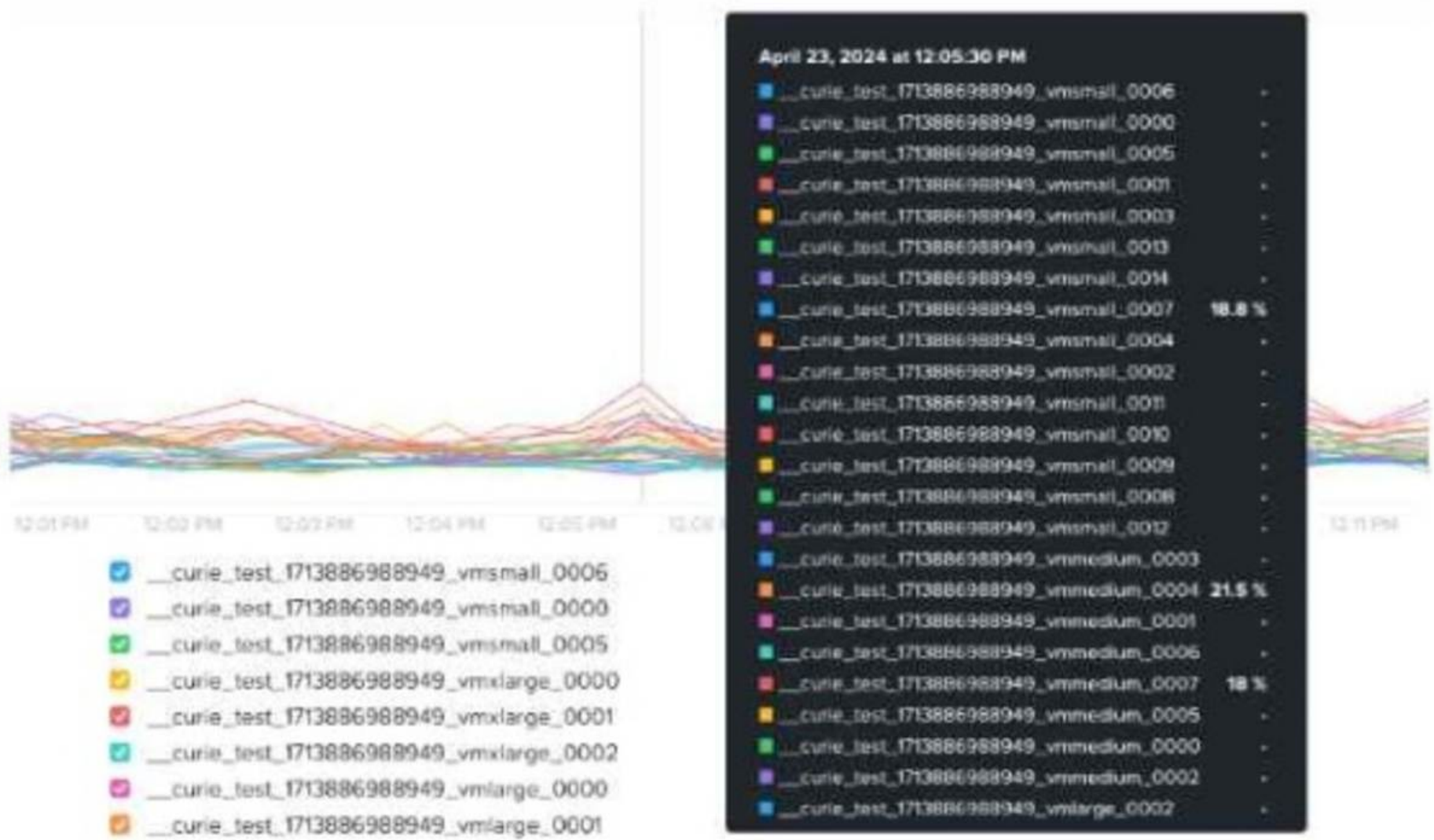
- ? The best solution is to add resources to the cluster (Option A), such as CPU, memory, or storage, to extend the runway.
- ? Postponing new workloads (Option B) may help in the short term but does not align with the business need to continue adding workloads.
- ? Deleting workloads (Option C) is not 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 9

An administrator receives complaints about VM performance.



After reviewing the VM's CPU Ready Time data shown in the exhibit, 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:**

Understanding the Issue

The administrator is investigating VM performance complaints and is analyzing CPU Ready Time data.

? CPU Ready Time is a crucial metric in Nutanix and virtualization environments

(AHV, ESXi, or Hyper-V).

? It measures the amount of time a VM is waiting for CPU scheduling due to resource contention.

? High CPU Ready Time indicates that VMs are ready to run but are waiting because the host lacks available CPU resources.

Analysis of the Exhibit

? The graph shows CPU Ready Time spikes for multiple VMs.

? Some VMs have CPU Ready Time exceeding 18% to 21.5%, which is very high.

? A healthy CPU Ready Time should be below 5%.

? Values above 10% indicate CPU contention, and anything above 20% is critical and requires immediate troubleshooting.

Evaluating the Answer Choices

(A) Check the number of vCPUs assigned to each CVM. (Incorrect)

? CVMs (Controller VMs) have fixed CPU allocation, and modifying their vCPU count is not recommended unless advised by Nutanix Support.

? The issue is related to VM CPU contention, not CVM configuration.

(B) Review host CPU utilization. (Correct Answer)

? High CPU Ready Time suggests CPU overcommitment or host saturation.

? The administrator should check host CPU usage in Prism Central to determine if the cluster is overloaded.

? If host CPU usage is consistently above 85–90%, VMs are competing for CPU resources, leading to high CPU Ready Time.

(C) Assess cluster SSD capacity. (Incorrect)

? SSD capacity impacts storage performance (latency, read/write speeds) but does not affect CPU Ready Time.

? High CPU Ready Time is a CPU scheduling issue, not a storage bottleneck.

(D) Enable VM memory oversubscription. (Incorrect)

? Memory oversubscription does not impact CPU scheduling.

? Enabling memory oversubscription affects RAM allocation, but CPU Ready Time is strictly related to CPU contention.

Next Steps to Diagnose & Resolve the Issue

? Review Host CPU Utilization:

? Check VM vCPU Allocation:

? Balance Workload Across Hosts:

? Consider Scaling Out the Cluster:

Multicloud Infrastructure References & Best Practices

? CPU Ready Time Best Practices:

? Nutanix AHV CPU Scheduling Optimization:

References:

? Nutanix Prism Central: Performance Analysis and CPU Metrics

? Nutanix Bible: VM Performance and Resource Management

? Nutanix KB: Troubleshooting High CPU Ready Time in AHV

**NEW QUESTION 10**

An administrator needs to modify an AHV VM to support a large number of concurrent network connections. The VM has:

? 4 vCPUs

? 20 GB RAM

? OS: Microsoft Windows Server 2022

Which modification can improve network performance for network I/O-intensive applications?

A. Add more vCPUs.

B. Enable AHV Turbo Technology.

C. Enable RSS VirtIO-Net Multi-Queue.

D. Add more RAM.

**Answer:** C

**Explanation:**

Receive Side Scaling (RSS) VirtIO-Net Multi-Queue improves network performance by distributing network processing across multiple CPU cores.

? Option C (Enable RSS VirtIO-Net Multi-Queue) is correct:

? Option A (Add more vCPUs) is incorrect:

? Option B (Enable AHV Turbo Technology) is incorrect:

? Option D (Add more RAM) is incorrect:

References:

? Nutanix AHV Best Practices Guide Optimizing Network Performance with RSS Multi-Queue

? Nutanix KB Enabling Multi-Queue for High-Performance Applications

**NEW QUESTION 10**

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 13**

An administrator observes an alert in Prism for a hybrid SSD/HDD cluster: "Storage Pool SSD utilization consistently above 75%."

What is the potential impact of this condition?

A. The cluster is unable to sustain an SSD disk failure.

B. The cluster may be nearly out of storage for metadata.

C. The cluster is at risk of entering a read-only state.

D. Average I/O latency in the cluster may increase.

**Answer:** D

**Explanation:**

High SSD utilization in a hybrid cluster can lead to increased I/O latency as new writes may spill over to HDDs, reducing overall performance.

? Option D (Average I/O latency in the cluster may increase) is correct:

? Option A is incorrect:

? Option B is incorrect:

? Option C is incorrect:

References:

? Nutanix Storage Performance Guide SSD Tiering and Performance Management

? Nutanix KB Managing High SSD Utilization in Hybrid Clusters

**NEW QUESTION 15**

What guest customization options are available when creating a VM template?

A. Sysprep, Cloud-init, Custom Script, Guided Script

B. Bash, Powershell

C. Python, YAML

D. None, guest customization is not supported in Nutanix templates.

**Answer:** A

**Explanation:**

Guest customization options allow administrators to automate OS configuration during VM deployment from a template.

? Option A (Sysprep, Cloud-init, Custom Script, Guided Script) is correct:

? Options B and C are incorrect:

? Option D is incorrect:

References:

? Nutanix VM Deployment Guide Using Cloud-Init and Sysprep for Guest Customization

? Nutanix KB Automating VM Deployments with Guest Customization

**NEW QUESTION 18**

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 22**

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 27**

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 32**

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 36**

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 38

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 42

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 GuideUsing Categories for Policy-Based Storage Management

? Nutanix KBBest Practices for Applying Storage Policies to VMs

### NEW QUESTION 43

Whichfeaturedeploys atemporary VMthat allows an administrator to log in andapply 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:

TheUpdate Guest OS feature (Option D)in Nutanixallows administrators to apply patches and updatesto aVM templateby creating atemporary VM instancefor 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 48

An administrator wants toenable application discoveryon aNutanix clusterto monitor applications. APrism Central instanceis alreadyconfigured 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 49**

An administrator wants to live-migrate a vGPU-enabled VM from one host to another within the same cluster.

What requirements must be met before initiating the migration?

A. The target host has sufficient resources to support the VM.

B. The vGPU profile needs to be changed.

C. The VM must be configured as an agent VM.

D. The host affinity for the VM must be set to a specific host.

**Answer: A**

**Explanation:**

vGPU-enabled VMs can only be migrated if the destination host has a compatible GPU and sufficient resources.

? Option A (Target host must have sufficient resources) is correct:

? Option B (vGPU profile change) is incorrect:

? Option C (Agent VM required) is incorrect:

? Option D (Host affinity) is incorrect:

References:

? Nutanix AHV Best Practices Migrating vGPU-Enabled VMs

? Nutanix KB Requirements for Live-Migrating vGPU VMs

**NEW QUESTION 51**

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 52**

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 55**

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 GuideUsing Compatibility Bundles in Dark Sites

? Nutanix KBTroubleshooting Firmware Updates in Dark Site Deployments

**NEW QUESTION 56**

An administrator needs to create a storage container for VM disks. The container must meet the following conditions:

? 10 GiB of the total allocated space must not be used by other containers.

? The container must have a maximum storage capacity of 500 GiB.

What settings should the administrator configure while creating the storage container?

- A. Set Advertised Capacity to 10 GiB and Reserved Capacity to 500 GiB.
- B. Set Advertised Capacity to 10 GiB.
- C. Set Reserved Capacity to 500 GiB.
- D. Set Reserved Capacity to 10 GiB and Advertised Capacity to 500 GiB.

**Answer: D**

**Explanation:**

Nutanix storage containers allow administrators to configure capacity reservations and advertised limits for better resource management.

? Option D (Set Reserved Capacity to 10 GiB and Advertised Capacity to 500 GiB) is correct:

? Option A is incorrect:

? Option B is incorrect:

? Option C is incorrect:

References:

? Nutanix Storage Management GuideUnderstanding Storage Container Settings

? Nutanix KBAdvertised vs. Reserved Capacity in Storage Containers

**NEW QUESTION 59**

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 62**

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 67

Refer to Exhibit:



An administrator sees the alert shown in the exhibit.

What should the administrator do to ensure the nutanix user can no longer SSH to a CVM using a password?

- 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:

Understanding the Exhibit & the Alert The alert states:

? "The cluster is using password-based SSH access for the CVM."

? "Password-based remote login is enabled on the cluster."

? "It is recommended to use key-based SSH access instead of password-based SSH access for better security."

This means that the nutanix user can log in to Controller VMs (CVMs) using a password, which is a security risk.

Corrective Action: Enabling Cluster Lockdown

(C) Enable Cluster Lockdown. (Correct Answer)

? Cluster Lockdown Mode restricts password-based SSH access and forces key- based authentication.

? This prevents users from logging into CVMs using passwords, enhancing cluster security.

? To enable Cluster Lockdown:

Evaluating the Other Answer Choices

(A) Rename the nutanix user. (Incorrect)

? The nutanix user is a built-in system account required for cluster operations.

? Renaming the user will not prevent SSH access via password.

(B) Block port 22 on the CVM firewall. (Incorrect)

? Blocking port 22 (SSH) will completely disable SSH access, including key-based authentication.

? This may break cluster management and troubleshooting operations.

(D) Delete the nutanix user. (Incorrect)

? The nutanix user is a critical system account required for cluster functionality.

? Deleting the account will cause serious issues with cluster management.

Multicloud Infrastructure References & Best Practices

? Nutanix Security Best Practices:

? Cluster Lockdown Benefits:

References:

? Nutanix Security Guide Enabling Cluster Lockdown for SSH Security

? Nutanix KB Securing SSH Access on Nutanix Clusters

### NEW QUESTION 70

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 73**

An administrator is trying to configure Metro Availability between Nutanix ESXi-based clusters. However, the Compatible Remote Site screen does not list all required storage containers.  
Which two reasons could be a cause for this issue? (Choose two.)

- A. Source and destination hardware are from different vendors.
- B. The remote site storage container has compression enabled.
- C. The destination storage container is not empty.
- D. Both storage containers must have the same name.

**Answer:** CD

**Explanation:**

For Metro Availability to work properly, the storage containers at both the primary and secondary sites must meet certain requirements:  
? The storage containers must have the same name (Option D). This ensures that replication and failover work seamlessly. If the names do not match, the storage containers will not be listed as compatible.  
? The destination storage container must be empty (Option C). Metro Availability requires a clean storage container at the secondary site to receive data. If the container already contains data, it cannot be used.  
? Option A is incorrect: Different vendor hardware does not affect Metro Availability compatibility.  
? Option B is incorrect: Compression does not affect Metro Availability compatibility.  
However, it is recommended to keep compression settings aligned between sites.  
References:  
? Nutanix Documentation: Metro Availability Deployment Guide  
? Nutanix Best Practices for Metro Availability  
? Nutanix KB 2093: Troubleshooting Metro Availability Storage Container Issues

**NEW QUESTION 76**

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 8GB.

**NEW QUESTION 79**

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 80**

An administrator is configuring a replication schedule on multiple remote locations deployed using a single-node cluster. The goal is to achieve the lowest possible RPO (Recovery Point Objective).

How should the administrator configure the replication schedule?

A. Configure NearSync replication.

B. Configure a schedule for 16 minutes up to 59 minutes.

C. Configure Async replication.

D. Configure a schedule for 1 minute up to 15 minutes.

**Answer: D**

**Explanation:**

Nutanix NearSync replication provides the lowest RPO (as low as 1 minute) and is the best option for minimizing data loss in DR scenarios.

? Option D (Configure a schedule for 1 minute up to 15 minutes) is correct:

? Option A (Configure NearSync) is incorrect:

? Option B (16 to 59 minutes) is incorrect:

? Option C (Async replication) is incorrect:

References:

? Nutanix Protection Policies GuideNearSync vs. Async Replication

? Nutanix BibleRPO and RTO in Disaster Recovery

? Nutanix KBConfiguring NearSync Replication for Single-Node Clusters

**NEW QUESTION 83**

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 88**

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 93**

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 rule to avoid automated VM migration to the standby datastore.
- 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 97**

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