



Nutanix

Exam Questions NCP-MCI-6.10

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

NEW QUESTION 1

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 2

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 3

After adding new workloads, the Overall Runway is now below 365 days, but the 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 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

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 6

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

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

Answer: BD

Explanation:

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

? Option B (All eligible VMs on the host are migrated to other hosts) is correct:
? Option D (Non-migratable VMs are powered off) is correct:
? Option A is incorrect:
? Option C is incorrect:

References:

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

NEW QUESTION 7

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 8

An administrator is protecting an application and its data stored on Volume Groups using Protection Domains. During failover tests, all application VMs restore successfully, but the application data is completely missing. How can the Protection Domain configuration be adjusted to avoid this issue in the future? (Choose two.)

- A. Select the "Auto protect related entities" checkbox.
- B. Manually add Volume Groups to Protected Entities.
- C. Place Volume Groups in a separate Protection Domain.
- D. Use application-consistent snapshots.

Answer: AB

Explanation:

Protection Domains (PDs) in Nutanix ensure that entire applications and their associated data are protected during failover. However, Volume Groups (VGs) are not automatically included unless explicitly configured.

? Option A (Select "Auto protect related entities") is correct:

? Option B (Manually add Volume Groups to Protected Entities) is correct:

? Option C (Place Volume Groups in a separate Protection Domain) is incorrect:

? Option D (Use application-consistent snapshots) is incorrect:

References:

? Nutanix Disaster Recovery Guide Protection Domain Configuration and Volume Groups

? Nutanix KB Ensuring Volume Groups Are Included in Disaster Recovery Failovers

NEW QUESTION 9

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 10

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 10

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 15

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 18

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 22

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 23

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 24

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 26

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 Guide Understanding Storage Container Settings

? Nutanix KB Advertised vs. Reserved Capacity in Storage Containers

NEW QUESTION 27

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. RestartGenesis 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 cli) 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 32

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 35

An administrator receives an alert in Prism stating:

"Storage container <container_name> on cluster <cluster_name> will run out of storage resources in approximately 1 day."

However, the cluster has plenty of available space remaining.

What configuration setting is causing the container to run out of space while the cluster has space remaining?

- A. Advertised Capacity is set too low.
- B. Reserved Capacity is set too high.
- C. Compression is set too low.
- D. Replication Factor is set too high.

Answer: B

Explanation:

Reserved Capacity settings define how much storage is exclusively allocated for a specific container.

? Option B (Reserved Capacity is too high) is correct:

? Options A, C, and D are incorrect:

References:

- ? Nutanix Storage Best Practices Configuring Reserved and Advertised Capacity
- ? Nutanix KB Troubleshooting Storage Container Out-of-Space Alerts

NEW QUESTION 38

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 39

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 thenutanix user.
- B. Blockport 22on the CVM firewall.
- C. EnableCluster Lockdown.
- D. Delete thenutanix 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 40

Due toapplication requirements, an administrator needs to support amulticast configurationin anAHV 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 thatmulticast 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 43

An administrator noticeshigh CPU usage on a VMand wants to determine whether adding more vCPUswould improve performance.

Which two metrics should be analyzed to make this decision? (Choose two.)

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

Answer: AB

Explanation:

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

? Option A (VM CPU Ready Time) is correct:

? Option B (VM CPU Usage) is correct:

? Option C (Host CPU Usage) is incorrect:

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

References:

? Nutanix Prism Central GuideAnalyzing VM CPU Performance

? Nutanix KBUnderstanding CPU Ready Time and VM Performance

NEW QUESTION 47

Which storage attributes do Storage Policies manage?

- A. Storage Containers and Volume Groups
- B. Replication Factor and Encryption
- C. Shares and Object Stores
- D. Data Protection and Security

Answer: B

Explanation:

Storage Policies in Nutanix allow administrators to configuredata protection and performance settingsat thestorage container level.

? Replication Factor (RF)definesthe number of copies of datastored across nodes for fault tolerance.

? Encryptionensures thatdata at rest is protectedvia Nutanix-native encryption methods.

? Option A (Storage Containers and Volume Groups)refers tostorage organization, not policies.

? Option C (Shares and Object Stores)applies tofile and object storage services, not VM storage policies.

? Option D (Data Protection and Security)is a broad term but does not definespecific policy attributes.

References:

- ? Nutanix Prism Element Storage Policies and Replication Factor (RF)
- ? Nutanix Bible Storage Fabric and Data Resiliency
- ? Nutanix KB Enabling Encryption in Storage Policies

NEW QUESTION 48

A Disaster Recovery administrator has set up a Protection Policy for 50 workloads, all configured similarly. The RPO is 60 minutes with a specified retention of 10 local copies, 5 remote copies, and crash consistency. After activation, recovery points are not appearing at the DR site, even though they are visible on the production side. What is the most likely issue?

- A. Nutanix Guest Tools (NGT) is not installed on the source VMs.
- B. Windows updates need to be applied to all affected VMs.
- C. The storage container name on the DR cluster does not match the production cluster.
- D. The storage container RF factor does not match in both clusters.

Answer: C

Explanation:

For Disaster Recovery to function correctly, the source and destination storage containers must have identical names.

- ? Option C (Storage container name mismatch) is correct:
- ? Option A (NGT not installed) is incorrect:
- ? Option B (Windows updates) is incorrect:
- ? Option D (Storage RF factor mismatch) is incorrect:

References:

- ? Nutanix Disaster Recovery Guide Requirements for Remote Replication
- ? Nutanix KB Storage Container Mapping for Protection Domains

NEW QUESTION 49

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 52

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 53

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 54

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 GuideManually Uploading GPU Firmware Bundles

? Nutanix KBUpdating AHV Hosts with GPUs

NEW QUESTION 55

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 57

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