

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 configured a remote site for Protection Domain replication, but network performance and stability are impacted.

How can the remote site configuration be adjusted to fix the issue?

- A. Configure Network Address Translation (NAT) between the two Nutanix clusters.
- B. Configure the Protection Domain with many-to-many replication.
- C. Configure a Bandwidth Throttling Policy.
- D. Configure the remote Cluster VIP as a proxy.

Answer: C

Explanation:

Network performance issues during replication can be mitigated using Bandwidth Throttling to control traffic spikes.

? Option C (Configure a Bandwidth Throttling Policy) is correct:

? Option A (Configure NAT) is incorrect:

? Option B (Many-to-Many Replication) is incorrect:

? Option D (Remote Cluster VIP as Proxy) is incorrect:

References:

? Nutanix Protection Policies Guide Bandwidth Throttling for Remote Site Replication

? Nutanix KB Optimizing Network Performance for Disaster Recovery

NEW QUESTION 3

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 4

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 PracticesUnderstanding Maintenance Mode Behavior
- ? Nutanix KBVM Migration and Power-Off Scenarios in Maintenance Mode

NEW QUESTION 5

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 6

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 7

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 8

A company is evaluating Nutanix Disaster Recovery (DR) to protect multiple business-critical applications. Some applications are built using a 3-tier architecture and have interdependencies.

After failover, the VM's static IP address is retained, but DNS configuration is lost.

How should an administrator proceed to resolve this issue?

- A. Configure Self-Service Restore.
- B. Create custom in-guest scripts to preserve the statically assigned DNS IP addresses.
- C. Install Network Manager command-line tool (nncli) in the protected Windows VMs.
- D. Configure a Protection Domain.

Answer: B

Explanation:

During failover in Nutanix Disaster Recovery, VMs retain their static IPs but may lose DNS settings if the network configuration at the DR site is different from the primary site.

? Option B (Create custom in-guest scripts) is correct:

? Option A (Self-Service Restore) is incorrect:

? Option C (nncli tool) is incorrect:

? Option D (Configure a Protection Domain) is incorrect:

References:

? Nutanix Disaster Recovery Guide Failover Automation and Network Configuration

? Nutanix Bible VM Recovery and IP Management in DR Scenarios

? Nutanix KB Preserving DNS Settings in Disaster Recovery

NEW QUESTION 9

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

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 13

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 18

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 23

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 25

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 29

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 33

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 37

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 40

An administrator attempted to enable Data-in-Transit Encryption on a Scale-Out Prism Central cluster to encrypt service-level traffic between nodes. However, the feature did not work correctly due to a firewall restriction. Which CVM-specific port should be allowed through the firewall for Data-in-Transit Encryption?

A. 2009

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

Answer: A

Explanation:

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

- ? Option A (Port 2009) is correct:
- ? Option B (Port 2010) is incorrect:
- ? Option C (Port 2020) is incorrect:
- ? Option D (Port 9440) is incorrect:

References:

- ? Nutanix Security GuideData-at-Rest vs. Data-in-Transit Encryption
- ? Nutanix KBFirewall Port Requirements for Secure Cluster Communication

NEW QUESTION 43

An administrator has been tasked with justifyingwhy Nutanix Disaster Recoverywas chosen for amulti-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 45

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 48

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 GuidePer-Node Firmware Updates
- ? Nutanix KBHow to Upgrade BMC Using LCM

NEW QUESTION 50

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 52

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 57

An administrator needs to create a single chart showing multiple storage bandwidth metrics a VM is consuming. Which type of chart should the administrator create?

- A. Metric Chart
- B. Entity Chart
- C. Hypervisor Performance Chart
- D. VM Summary Chart

Answer: B

Explanation:

Entity Charts in Nutanix Prism Central allow multiple metrics from a single entity (e.g., VM, storage container) to be displayed on a single graph.

- ? Option B (Entity Chart) is correct:
- ? Option A (Metric Chart) is incorrect:
- ? Option C (Hypervisor Performance Chart) is incorrect:
- ? Option D (VM Summary Chart) is incorrect:

References:

- ? Nutanix Prism Central GuideEntity vs. Metric Charts for Performance Analysis
- ? Nutanix KBCreating Custom Charts in Prism Central

NEW QUESTION 58

An administrator is trying to configure Metro Availability between Nutanix ESXi-based clusters. However, theCompatible Remote Sitescreen 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:

ForMetro 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 62

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 63

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 65

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 KB I/O Freezing and Failover Behavior in Metro Clusters

NEW QUESTION 68

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 Guide NearSync vs. Async Replication

? Nutanix KB RPO and RTO in Disaster Recovery

? Nutanix KB Configuring NearSync Replication for Single-Node Clusters

NEW QUESTION 70

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 72

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 74

An administrator is trying to configure Metro Availability between Nutanix ESXi-based clusters. However, the Compatible Remote Sites screen does not list all required storage containers.

Protection Domain (Metro Availability) ? X

NameStorage ContainersRemote SitesFailure HandlingScheduleReview

Target Sites Refresh

Compatible Remote Sites

Remote Site	IP Address
auto_cluster_prod_divya_sharma_1ac48b18ab2e	10.46.200.167:2020

Incompatible Remote Sites

Remote Site	IP Address	Metro Ready	Has Storage Container	Latency

Previous Cancel Next

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:

Metro Availability in Nutanix requires that the primary and secondary storage containers be configured identically to ensure data replication consistency.

? Option C (The destination storage container is not empty) is correct:

? Option D (Both storage containers must have the same name) is correct:

? Option A is incorrect: Metro Availability works regardless of hardware vendor differences.

? Option B is incorrect: Compression does not affect compatibility but may impact performance.

References:

? Nutanix Metro Availability Deployment Guide

? Nutanix Best Practices for Configuring Remote Sites for Metro Availability

? Nutanix KB Troubleshooting Storage Container Issues in Metro Availability

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 77

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 82

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

NCP-MCI-6.10 Practice Exam Features:

- * NCP-MCI-6.10 Questions and Answers Updated Frequently
- * NCP-MCI-6.10 Practice Questions Verified by Expert Senior Certified Staff
- * NCP-MCI-6.10 Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- * NCP-MCI-6.10 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The NCP-MCI-6.10 Practice Test Here](#)