



Nutanix

Exam Questions NCP-MCI-6.10

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

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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

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

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

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

Answer: AC

Explanation:

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

- ? Option A (download.nutanix.com) is correct:
- ? Option C (release-api.nutanix.com) is correct:
- ? Option B (mynutanix.com) is incorrect:
- ? Option D (portal.nutanix.com) is incorrect:

References:

- ? Nutanix LCM Guide Firewall Rules for LCM Connectivity
- ? Nutanix KB Troubleshooting LCM Update Failures

NEW QUESTION 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

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. Addmore 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 9

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 10

A security team asks an administrator to set up port mirroring of a specific source VM to a target VM.

What must the administrator ensure for this configuration to be possible?

A. Source VM and Target VM are on the same VLAN.

B. Source VM and Target VM are on the same host.

C. Source VM and Target VM are on the same subnet.

D. Source VM and Target VM are on the same VPC.

Answer: B

Explanation:

Port mirroring requires the source and target VMs to be on the same host to efficiently copy network traffic without additional routing overhead.

? Option B (Source VM and Target VM are on the same host) is correct:

? Option A (Same VLAN) is incorrect:

? Option C (Same subnet) is incorrect:

? Option D (Same VPC) is incorrect:

References:

? Nutanix AHV Networking Guide Configuring Port Mirroring in AHV

? Nutanix KB Port Mirroring Best Practices

NEW QUESTION 10

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 13

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 Nutanix Disaster Recovery (DR) for across-hypervisor setup (ESXi to AHV) but finds that guest VMs do not recover properly at the DR location.

What is required for a successful cross-hypervisor DR event?

- A. Utilize delta disks.
- B. Deploy Legacy BIOS boot on hosts within the cluster.
- C. Use raw device mappings.
- D. Nutanix Guest Tools (NGT) must be installed on source guest VMs.

Answer: D

Explanation:

For cross-hypervisor DR failover (e.g., ESXi to AHV), Nutanix Guest Tools (NGT) must be installed on VMs to ensure proper configuration and recovery.

? Option D (NGT must be installed on source guest VMs) is correct:

? Option A (Utilize delta disks) is incorrect:

? Option B (Deploy Legacy BIOS boot) is incorrect:

? Option C (Use raw device mappings) is incorrect:

References:

? Nutanix Disaster Recovery Guide Cross-Hypervisor Failover Best Practices

? Nutanix KB Ensuring VM Compatibility During ESXi to AHV DR

NEW QUESTION 20

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 25

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

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 30

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 32

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 37

Refer to Exhibit:

LCM

Best Practices

Inventory

A newer version 2.7.1 of the framework is available.

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 40

Refer to Exhibit:



An administrator is looking at the memory cluster runway diagrams shown in exhibit, in Prism Central. The environment has three hosts with the following configuration:

? CPU: 2x Intel Xeon Gold (8 cores, 2.6 GHz)

? RAM: 256 GB per host

? Storage: SSDs and HDDs

The Intelligent Operations feature has been active for one month, but no further configurations were applied.

What does the dotted red line mean?

- A. It is the default trend analysis static threshold that can be manually set.
- B. It is the maximum memory the administrator can assign to VMs.

- C. It is the calculated memory oversubscription limit for currently running VMs.
- D. It is the usable capacity based on cluster configuration options.

Answer: D

Explanation:

hePrism Central Memory Cluster Runway Diagram provides insights into memory usage trends, predicting how long the cluster can sustain workloads before exhausting resources.

? The solid blue area represents the actual memory consumption over time.

? The dotted red line represents the effective memory capacity limit based on the cluster's current configuration.

Analyzing the Dotted Red Line

The dotted red line is labeled "Effective Capacity: 503.22 GiB", which means:

? It is the total usable memory capacity in the cluster after considering hypervisor overhead, redundancy settings, and failover capacity.

? This value is not a hard limit but an indication of the available memory before potential performance issues occur.

Evaluating the Answer Choices

(A) It is the default trend analysis static threshold that can be manually set. (Incorrect)

)

? The dotted red line is not a static threshold that an administrator can manually configure.

? Trend analysis in Prism is dynamic and based on workload history and projections.

(B) It is the maximum memory the administrator can assign to VMs. (Incorrect)

? Administrators can oversubscribe memory beyond the dotted red line if memory overcommitment is enabled.

? However, oversubscribing memory beyond effective capacity may impact performance.

(C) It is the calculated memory oversubscription limit for currently running VMs. (Incorrect)

? The dotted red line does not represent oversubscription limits.

? Memory oversubscription depends on hypervisor memory ballooning, compression, and swapping mechanisms, which are not directly shown here.

(D) It is the usable capacity based on cluster configuration options. (Correct Answer)

? The dotted red line (503.22 GiB) represents the actual usable memory available in the cluster after factoring in system overhead.

? This value is determined by:

Multicloud Infrastructure References & Best Practices

? Prism Central's "Runway" feature provides AI-driven trend analysis for memory, CPU, and storage capacity.

? The effective capacity limit helps administrators make proactive scaling decisions before resources become critical.

? To increase the memory runway, administrators can:

NEW QUESTION 42

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 47

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 50

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 52

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 54

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 56

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 58

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 Guide Entity vs. Metric Charts for Performance Analysis
- ? Nutanix KB Creating Custom Charts in Prism Central

NEW QUESTION 61

An administrator notices high CPU usage on a VM and wants to determine whether adding more vCPUs would 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 Guide Analyzing VM CPU Performance
- ? Nutanix KB Understanding CPU Ready Time and VM Performance

NEW QUESTION 63

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 configure data protection and performance settings at the storage container level.

- ? Replication Factor (RF) defines the number of copies of data stored across nodes for fault tolerance.
- ? Encryption ensures that data at rest is protected via Nutanix-native encryption methods.
- ? Option A (Storage Containers and Volume Groups) refers to storage organization, not policies.
- ? Option C (Shares and Object Stores) applies to file and object storage services, not VM storage policies.
- ? Option D (Data Protection and Security) is a broad term but does not define specific 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 67

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 69

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 72

Refer to Exhibit:

Cluster Details ✕

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

Cluster Name

Unnamed

FQDN

Virtual IP

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

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

Answer: A

Explanation:

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

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

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

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

References:

- ? Nutanix Prism Central Deployment Guide
- ? Nutanix Best Practices for Scale-Out Prism Central
- ? Nutanix Support KB: Configuring FQDN for Prism Central

NEW QUESTION 75

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 Bible RPO and RTO in Disaster Recovery
- ? Nutanix KB Configuring NearSync Replication for Single-Node Clusters

NEW QUESTION 79

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 81

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:

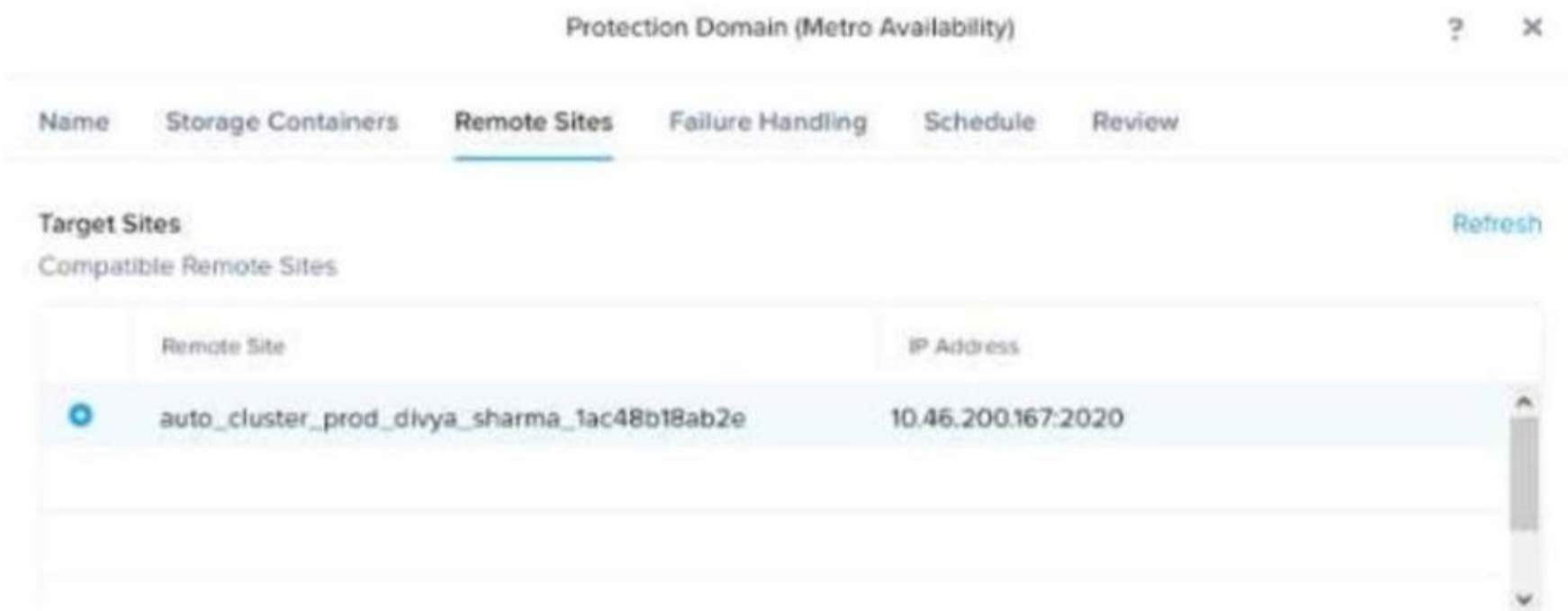
References:

? Nutanix Hardware Guide Choosing Nodes for Hybrid and DR Clusters

? Nutanix KB Balancing Storage Across Different Hardware Generations

NEW QUESTION 83

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.



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 86

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 Guide Creating and Managing VM Templates
- ? Nutanix KB Storage Requirements for VM Templates

NEW QUESTION 89

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