



Nutanix

Exam Questions NCP-MCI-6.10

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

About ExamBible

Your Partner of IT Exam

Found in 1998

ExamBible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, ExamBible has its unique advantages that other companies could not achieve.

Our Advances

* 99.9% Uptime

All examinations will be up to date.

* 24/7 Quality Support

We will provide service round the clock.

* 100% Pass Rate

Our guarantee that you will pass the exam.

* Unique Gurantee

If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

NEW QUESTION 1

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 2

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 3

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

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

Answer: AC

Explanation:

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

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

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

? Option B (mynutanix.com) is incorrect:

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

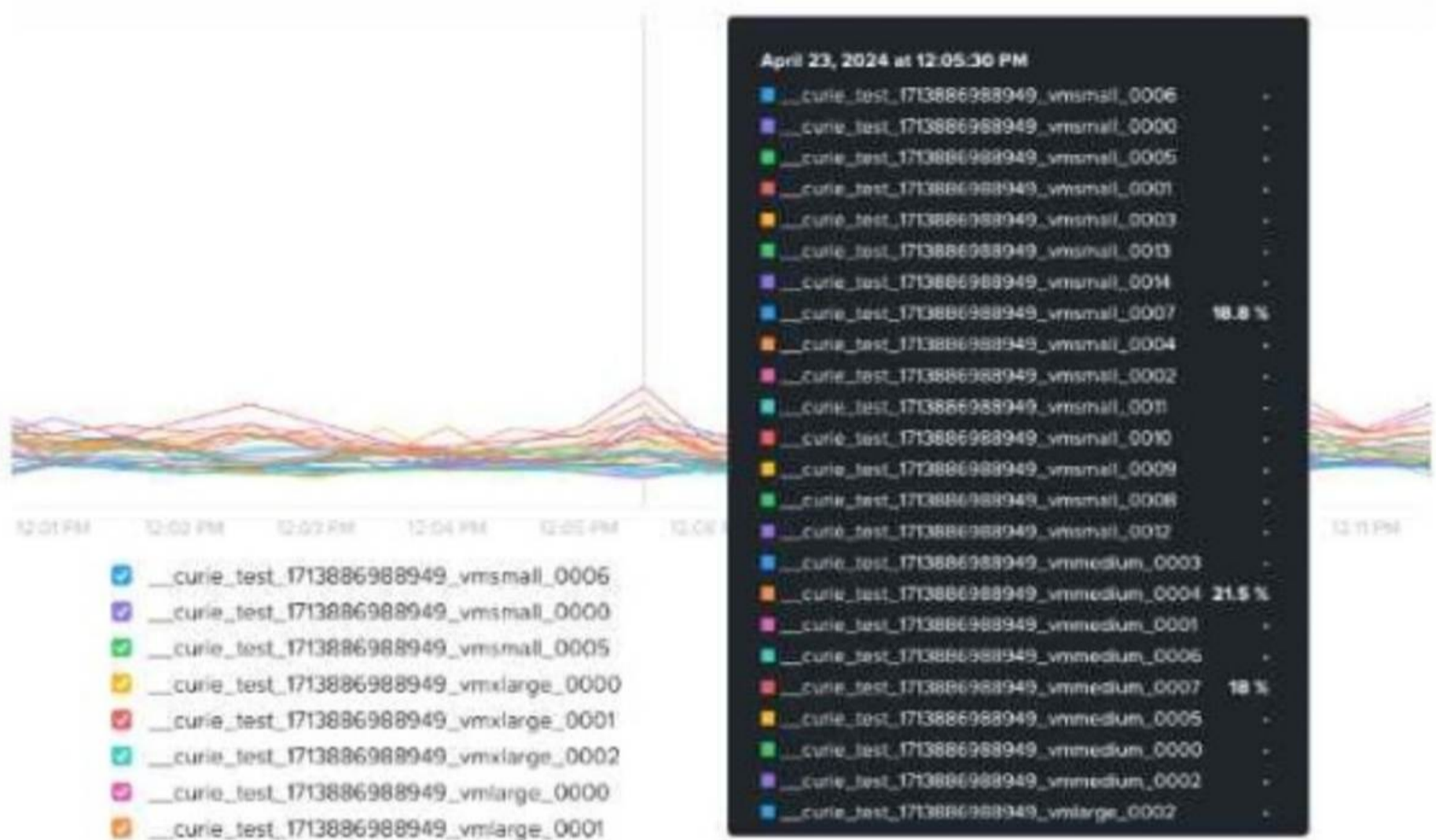
References:

? Nutanix LCM Guide Firewall Rules for LCM Connectivity

? Nutanix KB Troubleshooting LCM Update Failures

NEW QUESTION 4

An administrator receives complaints about VM performance.



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

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

Answer: B

Explanation:

Understanding the Issue

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

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

(AHV, ESXi, or Hyper-V).

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

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

Analysis of the Exhibit

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

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

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

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

Evaluating the Answer Choices

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

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

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

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

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

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

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

(C) Assess cluster SSD capacity. (Incorrect)

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

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

(D) Enable VM memory oversubscription. (Incorrect)

? Memory oversubscription does not impact CPU scheduling.

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

Next Steps to Diagnose & Resolve the Issue

? Review Host CPU Utilization:

? Check VM vCPU Allocation:

? Balance Workload Across Hosts:

? Consider Scaling Out the Cluster:

Multicloud Infrastructure References & Best Practices

? CPU Ready Time Best Practices:

? Nutanix AHV CPU Scheduling Optimization:

References:

? Nutanix Prism Central: Performance Analysis and CPU Metrics

? Nutanix Bible: VM Performance and Resource Management

? Nutanix KB: Troubleshooting High CPU Ready Time in AHV

NEW QUESTION 5

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 6

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 7

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

The new VM configurations include:

? Legacy BIOS

? 4 vCPUs

? 8 GB RAM

? Windows Server 2019

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

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

Answer: B

Explanation:

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

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

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

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

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

References:

? Microsoft Docs Requirements for Windows Defender Credential Guard

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

NEW QUESTION 8

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 9

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 10

An administrator is working with a network engineer to design the network architecture for a DR failover. Because DNS is well-designed, the DR site will use a different subnet but retain the same last octet in the IP address. What is the best way to achieve this?

- A. Use a custom script to update the IP address after instantiation in DR.
- B. Set up IPAM so the address is dynamically assigned during DR.
- C. Manually log into VMs after the DR event and update the last octet.
- D. Utilize Recovery Plan Offset-based IP mapping.

Answer: D

Explanation:

Offset-based IP mapping in Nutanix Recovery Plans allows automatic subnet changes during DR failover.

- ? Option D (Utilize Recovery Plan Offset-based IP mapping) is correct:
- ? Option A (Custom script) is incorrect:
- ? Option B (Use IPAM) is incorrect:
- ? Option C (Manually update IPs) is incorrect:

References:

- ? Nutanix Disaster Recovery Guide Using Offset-Based IP Mapping
- ? Nutanix KB Best Practices for Managing IP Addresses in DR

NEW QUESTION 10

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 13

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

- A. Admin Center Life Cycle Manager
- B. Prism Central Syslog

- C. Infrastructure VMs List
- D. Intelligent Operations Reports

Answer: D

Explanation:

Nutanix Intelligent Operations Reports (Option D) provide weekly summaries of cluster health, performance, and resource consumption.

? These reports include recommendations for optimization, alerts, and forecasted resource usage trends.

? Option A (Admin Center LCM) manages firmware and software upgrades but does not generate weekly performance reports.

? Option B (Prism Central Syslog) is used for logging and event tracking, not performance summaries.

? Option C (Infrastructure VMs List) provides a static list of VMs but does not generate periodic reports.

References:

? Nutanix Prism Central Intelligent Operations and Reports

? Nutanix Bible Automated Insights for Cluster Health Monitoring

? Nutanix KB Using Intelligent Operations Reports for Capacity Planning

NEW QUESTION 14

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 16

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 21

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 24

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 26

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 31

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 34

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 GuideRequirements for Remote Replication

? Nutanix KBStorage Container Mapping for Protection Domains

NEW QUESTION 37

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 39

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 40

.....

Relate Links

100% Pass Your NCP-MCI-6.10 Exam with ExamBible Prep Materials

<https://www.exambible.com/NCP-MCI-6.10-exam/>

Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - <https://www.exambible.com/>