

Exam Questions NCP-MCI-6.10

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

<https://www.2passeasy.com/dumps/NCP-MCI-6.10/>



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

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 PracticesGPU Pass-through and VM Migration Limitations

? Nutanix KBWhy Can't I Live Migrate a VM with GPU Passthrough?

NEW QUESTION 5

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

Which configuration option allows this behavior?

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

Answer: C

Explanation:

High Availability (HA) in Nutanixprovidespriority-based VM restart capabilitiessto ensure that certain VMs are powered onbefore othersin the event of ahost reboot or failure.

? Option C (High Availability) is correct:

? Option A (Recovery Plan) is incorrect:

? Option B (Host Affinity) is incorrect:

? Option D (Agent VM) is incorrect:

References:

? Nutanix Prism Element Guide Configuring HA Reservation and VM Priority

? Nutanix Bible High Availability (HA) and VM Failover

? Nutanix KB VM Restart Priority in High Availability Configurations

NEW QUESTION 6

Which two actions occur by default on a node that is placed inMaintenance 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 intoMaintenance Mode, Nutanix follows a structured process to ensureservice 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:

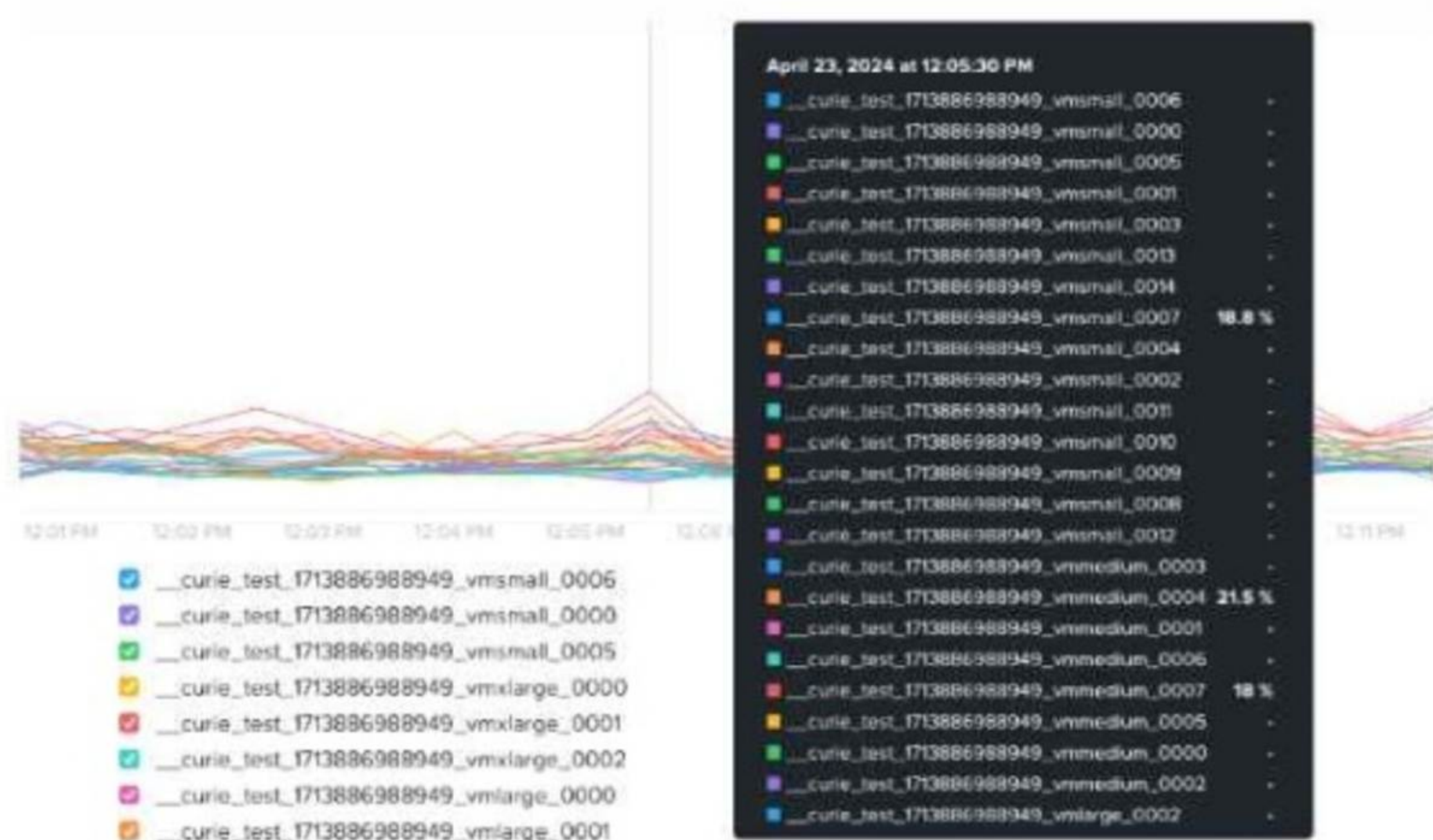
References:

? Nutanix AHV Best PracticesUnderstanding Maintenance Mode Behavior

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

NEW QUESTION 7

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:

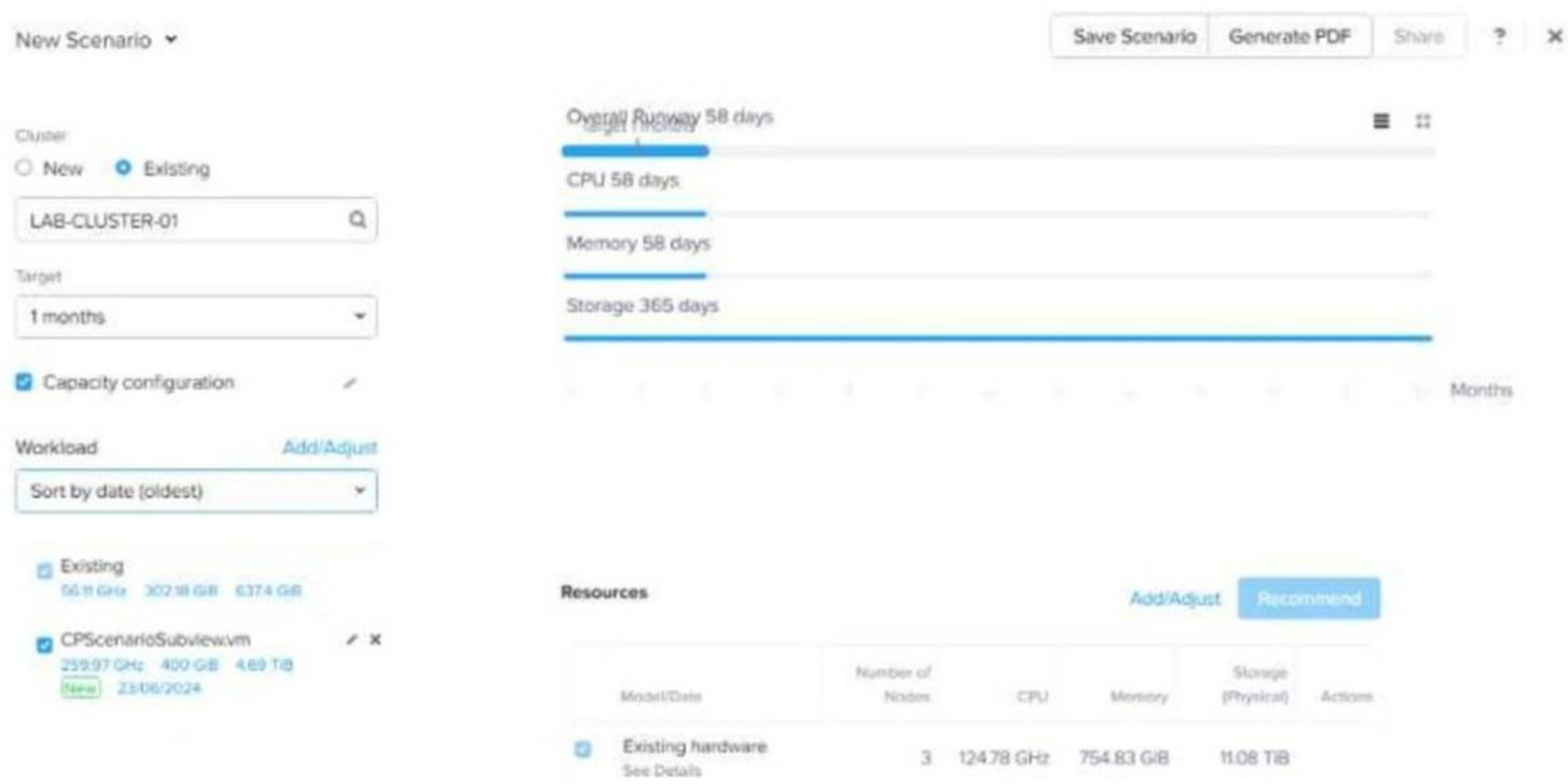
? Nutanix Prism Central: Performance Analysis and CPU Metrics

? Nutanix Bible: VM Performance and Resource Management

? Nutanix KB: Troubleshooting High CPU Ready Time in AHV

NEW QUESTION 8

Refer to Exhibit:



After adding new workloads, why is Overall Runway below 365 days and the scenario still shows the cluster is in good shape?

- A. Because Storage Runway is still good.
- B. Because new workloads are sustainable.
- C. Because there are recommended resources.
- D. Because the Target is 1 month.

Answer: B

Explanation:

In Nutanix Capacity Planning, Overall Runway represents how long the cluster can support current and new workloads before resources are exhausted.

? Even if the runway is below 365 days, the system considers the cluster to be in good shape if new workloads are sustainable (Option B).

? Option A is incorrect: Storage runway alone is not the only factor; CPU and memory are equally important.

? Option C is incorrect: The presence of recommended resources does not mean the cluster is in good shape.

? Option D is incorrect: The target of 1 month affects projections but does not explain why the cluster is in good shape.

References:

? Nutanix Prism Central Capacity Runway and Planning

? Nutanix Bible Workload Placement and Cluster Sizing

? Nutanix Support KB Capacity Planning Best Practices

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

An administrator is configuring Nutanix Disaster Recovery (DR) for a cross-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 GuideCross-Hypervisor Failover Best Practices

? Nutanix KBEnsuring VM Compatibility During ESXi to AHV DR

NEW QUESTION 10

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 11

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 13

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 18

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 22

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 23

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 28

Refer to Exhibit:



An administrator notices the message shown in the exhibit when navigating to LCM from Prism Central. Which action should the administrator take to update LCM to the latest version?

- A. Run an AOS upgrade.
- B. Run an AHV upgrade.
- C. Perform an Inventory Scan.
- D. Download and install the latest LCM version from a CVM.

Answer: C

Explanation:

When Life Cycle Manager (LCM) reports that a newer framework version is available, the correct action is to perform an inventory scan (Option C).

? Performing an inventory scan updates the available firmware/software versions and allows LCM to download required updates.

? Option A (Run an AOS upgrade) is unrelated to the LCM framework update process.

? Option B (Run an AHV upgrade) is a separate component update and does not affect the LCM framework.

? Option D (Download manually from a CVM) is not necessary because LCM updates are automatically pulled after an inventory scan.

References:

? Nutanix LCM User Guide Updating LCM Framework and Performing Inventory Scans

? Nutanix KB Best Practices for LCM Updates

? Nutanix Prism Central LCM Update Workflow

NEW QUESTION 31

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 35

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 36

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 40

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 43

An administrator needs to configure NTP on Prism Central running on a Hyper-V cluster. How should the administrator complete this task?

- A. Add an external NTP server.
- B. Add the DNS server IP.
- C. Add a server with a DNS hostname.
- D. Add the IP of the Domain Controller.

Answer: A

Explanation:

Nutanix requires that all cluster components synchronize time using an external NTP (Network Time Protocol) server.

? Option A (Adding an external NTP server) is correct because Nutanix best practices recommend using an external time source to prevent clock drift between cluster nodes.

? Option B (DNS server IP) is incorrect: A DNS server does not provide NTP services.

? Option C (Server with DNS hostname) is incorrect unless the DNS hostname resolves to an NTP server.

? Option D (IP of the Domain Controller) is incorrect because not all domain controllers provide NTP services unless explicitly configured.

References:

? Nutanix Best Practices: NTP Configuration for Hyper-V Clusters

? Nutanix KB: Ensuring Proper Time Synchronization Across Cluster Nodes

? Nutanix Documentation: Prism Central NTP Settings Configuration

NEW QUESTION 45

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 49

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

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

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

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

A. Set Advertised Capacity to 10 GiB and Reserved Capacity to 500 GiB.

B. Set Advertised Capacity to 10 GiB.

C. Set Reserved Capacity to 500 GiB.

D. Set Reserved Capacity to 10 GiB and Advertised Capacity to 500 GiB.

Answer: D

Explanation:

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

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

? Option A is incorrect:

? Option B is incorrect:

? Option C is incorrect:

References:

? Nutanix Storage Management GuideUnderstanding Storage Container Settings

? Nutanix KBAdvertised vs. Reserved Capacity in Storage Containers

NEW QUESTION 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 55

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 58

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

Answer: C

Explanation:

Enabling "Cluster Lockdown" in Nutanix is the best security measure to prevent password-based SSH logins.

? Option C (Enable Cluster Lockdown) is correct:

? Option A (Rename the nutanix user) is incorrect:

? Option B (Block port 22) is incorrect:

? Option D (Delete the nutanix user) is incorrect:

References:

? Nutanix Security Guide Implementing Cluster Lockdown

? Nutanix KB Best Practices for SSH Security on CVMs

NEW QUESTION 63

An administrator needs to create asingle chartshowing multiplestorage bandwidth metricsa 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 67

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 69

An administrator has configuredAHV Metro Availability with Witnessand is testing failover scenarios.
During testing, the administratordisconnects the primary and recovery clustersbut 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

FQDN

Virtual IP

In ascale-out Prism Central deployment, what additional functionality does configuring anFQDN instead of a Virtual IPprovide?

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

Answer: A

Explanation:

When usingFQDN instead of a Virtual IP in a scale-out Prism Central deployment, Nutanixenables load balancing across multiple Prism Central instances.

? Option A (Load balancing) is correctbecause it ensures that requests are distributedamong multiple Prism Central nodes, improving performance and redundancy.

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

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

? Option D (SSL Certificate) is incorrectbecause 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 74

An administrator is configuring areplication scheduleonmultiple remote locations deployed using asingle-node cluster. The goal is to achieve thelowest possible RPO (Recovery Point Objective).

How should the administrator configure the replication schedule?

- A. Configure NearSync replication.
- B. Configure a schedule for 16 minutes up to 59 minutes.
- C. Configure Async replication.
- D. Configure a schedule for 1 minute up to 15 minutes.

Answer: D

Explanation:

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

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

? Option A (Configure NearSync) is incorrect:

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

? Option C (Async replication) is incorrect:

References:

- ? Nutanix Protection Policies GuideNearSync vs. Async Replication
- ? Nutanix BibleRPO and RTO in Disaster Recovery
- ? Nutanix KBConfiguring NearSync Replication for Single-Node Clusters

NEW QUESTION 77

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 81

An administrator migrated a physical MySQL database from a legacy 3-tier environment to a Nutanix cluster. After migration, the administrator finds that at peak load, the number of IOPS is lower than expected, and latency is higher. Which two steps should the administrator take to improve performance? (Choose two.)

- A. Ensure that the SQL data vDisks are thick provisioned.
- B. Create additional vDisks for SQL data.
- C. Use LVM to stripe the SQL data across multiple vDisks.
- D. Ensure that the SQL data vDisks are thin provisioned.

Answer: BC

Explanation:

For high-performance databases like MySQL, optimizing storage access is critical.

? Option B (Create additional vDisks for SQL data) is correct:

? Option C (Use LVM to stripe SQL data across multiple vDisks) is correct:

? Option A (Thick provisioned vDisks) is incorrect:

? Option D (Thin provisioned vDisks) is incorrect:

References:

? Nutanix Bible Optimizing SQL Performance on Nutanix

? Nutanix KB Best Practices for Running MySQL on Nutanix

NEW QUESTION 82

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 GuideChoosing Nodes for Hybrid and DR Clusters

? Nutanix KBBalancing Storage Across Different Hardware Generations

NEW QUESTION 84

A consultant is configuring syslog monitoring and wants to receive CRITICAL logs from the Audit module.

Which severity level setting should be configured to get the desired output?

- A. 2

B. 5
C. 7

Answer: B

Explanation:

Syslog severity levels follow a standard numerical system, where lower numbers indicate higher severity.

? Option B (Severity Level 2) is correct:

Syslog Severity Level	Meaning
0	Emergency (System is unusable)
1	Alert (Action must be taken immediately)
2	Critical (Severe conditions, failures, or security issues)
3	Error (General errors, software failures)
4	Warning (Potential issues)
5	Notice (Normal but significant events)
6	Informational (General system messages)
7	Debug (Detailed debugging information)

? Options A (0), C (5), and D (7) are incorrect:

References:

? Nutanix Security Guide Syslog Integration and Severity Levels

? Nutanix KB Configuring Syslog for Prism Central Audit Logs

NEW QUESTION 86

When expanding a cluster, what is required to automatically discover new nodes?

- A. New nodes must have the same hypervisor version.
B. IPv6 multicast must be allowed on physical switches.
C. New nodes must have the same AOS version.
D. IPv4 multicast must be allowed on physical switches.

Answer: D

Explanation:

Nutanix uses IPv4 multicast for automatic node discovery and cluster expansion.

? Option D (IPv4 multicast must be allowed) is correct:

? Option A (Hypervisor version must match) is incorrect:

? Option B (IPv6 multicast) is incorrect:

? Option C (AOS version must match) is incorrect:

References:

? Nutanix Best Practices Cluster Expansion & Auto-Discovery

? Nutanix KB Why Nutanix Requires IPv4 Multicast for Node Discovery

NEW QUESTION 90

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 94

.....

THANKS FOR TRYING THE DEMO OF OUR PRODUCT

Visit Our Site to Purchase the Full Set of Actual NCP-MCI-6.10 Exam Questions With Answers.

We Also Provide Practice Exam Software That Simulates Real Exam Environment And Has Many Self-Assessment Features. Order the NCP-MCI-6.10 Product From:

<https://www.2passeasy.com/dumps/NCP-MCI-6.10/>

Money Back Guarantee

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