

Nutanix

Exam Questions NCP-MCI-6.10

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



NEW QUESTION 1

If an administrator creates a report with no retention policy configured, how many instances of the report are retained by default?

- A. 5
- B. 10
- C. 15
- D. 20

Answer: B

Explanation:

By default, Nutanix Prism Central retains the last 10 instances of a report if no retention policy is configured.

? Option B (10) is correct:

? Options A (5), C (15), and D (20) are incorrect:

References:

? Nutanix Prism Central Guide Report Generation and Retention Policies

? Nutanix KB How Reports Are Stored and Managed in Prism Central

NEW QUESTION 2

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

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

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

Answer: C

Explanation:

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

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

? Option A (Configure NAT) is incorrect:

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

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

References:

? Nutanix Protection Policies Guide Bandwidth Throttling for Remote Site Replication

? Nutanix KB Optimizing Network Performance for Disaster Recovery

NEW QUESTION 3

An administrator wants to ensure that VMs can be migrated and restarted on another node in the event of a single-host failure.

What action should be taken in Prism Element to meet this requirement?

- A. Set Redundancy Factor to 3.
- B. Enable HA Reservation.
- C. Configure a Protection Domain.
- D. Configure an RF1 storage container.

Answer: B

Explanation:

To ensure VM high availability (HA) in the event of a node failure, the administrator must enable HA Reservation (Option B) in Prism Element.

? High Availability (HA) in Nutanix ensures that VMs restart on another available node if the host they are running on fails.

? Option A (Redundancy Factor 3) affects storage redundancy, not VM failover.

? Option C (Protection Domains) is related to disaster recovery (DR), not local HA failover.

? Option D (RF1 Storage Container) would reduce fault tolerance and is not recommended for production environments.

References:

? Nutanix Prism Element Guide Configuring HA Reservation

? Nutanix Bible High Availability (HA) and Failover

? Nutanix Support KB VM Recovery with HA Enabled

NEW QUESTION 4

After adding new workloads, the Overall Runway is now below 365 days, but this scenario still shows the cluster is in good shape. Why?

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

Answer: B

Explanation:

A cluster runway below 365 days does not necessarily indicate an issue if Intelligent Operations determines that workloads are sustainable.

? Option B (Because new workloads are sustainable) is correct:

? Option A (Storage Runway is still good) is incorrect:

? Option C (Recommended resources) is incorrect:

? Option D (Target is 1 month) is incorrect:

References:

- ? Nutanix Prism Central Guide Capacity Planning & Runway Analysis
- ? Nutanix KB Understanding Capacity Runway and Workload Sustainability

NEW QUESTION 5

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

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

Answer: BD

Explanation:

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

? Option B (All eligible VMs on the host are migrated to other hosts) is correct:

? Option D (Non-migratable VMs are powered off) is correct:

? Option A is incorrect:

? Option C is incorrect:

References:

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

NEW QUESTION 6

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 7

An administrator wants to clean up inactive VMs using VM Efficiency in Nutanix. The business requires that VMs must be inactive for 120 days before deletion.

A Playbook was created to delete Dead and Zombie VMs with a 99-day wait period after they are marked inactive.

How long will have passed before these VMs are deleted? (Choose two.)

- A. For Dead VMs, the wait before deletion is 120 days.
- B. For Zombie VMs, the wait before deletion is 129 days.
- C. For Dead VMs, the wait before deletion is 129 days.
- D. For Zombie VMs, the wait before deletion is 120 days.

Answer: BC

Explanation:

Dead VMs and Zombie VMs are different classifications of inactive VMs in Nutanix, and their deletion timelines depend on Playbook configuration.

? Dead VMs Considered inactive after 30 days, then must wait 99 more days before deletion.

? Zombie VMs Considered inactive after 30 days, then must wait 99 more days before deletion.

References:

- ? Nutanix Prism Central Guide Using VM Efficiency to Manage Inactive VMs
- ? Nutanix KB Configuring Playbooks for Automatic VM Cleanup

NEW QUESTION 8

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 9

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 10

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 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 11

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 16

An administrator is configuring a replication schedule on multiple remote locations deployed using a single-node cluster. The goal is to achieve the lowest possible RPO (Recovery Point Objective).

How should the administrator configure the replication schedule?

A. Configure NearSync replication.

B. Configure a schedule for 16 minutes up to 59 minutes.

C. Configure Async replication.

D. Configure a schedule for 1 minute up to 15 minutes.

Answer: D

Explanation:

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

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

? Option A (Configure NearSync) is incorrect:

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

? Option C (Async replication) is incorrect:

References:

? Nutanix Protection Policies Guide NearSync vs. Async Replication

? Nutanix Bible RPO and RTO in Disaster Recovery

? Nutanix KB Configuring NearSync Replication for Single-Node Clusters

NEW QUESTION 18

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 22

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

Protection Domain (Metro Availability) ? X

Name Storage Containers **Remote Sites** Failure Handling Schedule Review

Target Sites Refresh

Compatible Remote Sites

Remote Site	IP Address
auto_cluster_prod_divya_sharma_1ac48b18ab2e	10.46.200.167:2020

Incompatible Remote Sites

Remote Site	IP Address	Metro Ready	Has Storage Container	Latency
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Previous
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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 25

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 30

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