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Nutanix NCP-MCI Final Exam Questions and Answers 2024.

What is the expected behavior of the VMs residing on that host when a controller VM becomes unavailable?

- A. A Live Migration will be performed on the affected VMs.
- B. The host will automatically redirect I/O and VMs will continue running.
- C. The impacted host and VMs will automatically shut down.
- D. VM High Availability will restart the impacted VMs on another host

Answer: B

2. An administrator is implementing a VDI solution. The workload will be a series of persistent desktops in a dedicated storage container within a four-node cluster. Storage optimizations should be set on the dedicated storage container to give optimal performance including during a node failure event. Which storage optimizations should the administrator set to meet the requirements?

- A. Compression only
- B. Deduplication and Erasure Coding
- C. Compressor and Deduplication
- D. Compression, Deduplication and Erasure Coding

Answer: C

3. An administrator has been alerted to a VM that has high I/O latency and wants to determine if there are any other factors, such as insufficient network or memory resources that correlate, as part of a troubleshooting process.

Which type of chart should the administrator create to allow all relevant data to be easily exported to CSV for later analysis?

- A. A VM entity chart with each of the relevant metrics.
- B. A cluster metric chart for each of the relevant metrics
- C. A cluster entity chart with each of the relevant metrics
- D. A VM metric chart for each of the relevant metrics

Answer: D

4. A configuration is single domain, single forest, and does not use SSL. Which port number should be used to configure LDAP?

- A. 389
- B. 3269
- C. 636
- D. 3268

Answer: A

5. An administrator wants to use Volumes to connect to physical servers that are not able to be virtualized.

Which three things must be configured for Volumes to support iSCSI clients? (Choose three)

- A. Enable external client access
- B. Client OS iSCSI initiator
- C. iSCSI Multipathing I/O
- D. Cluster Virtual IP address

1 / 19

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Nutanix NCP-MCI-6.10 Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> Manage Clusters within a Nutanix Multicloud Environment: This section of the exam measures the skills of Infrastructure Engineers and Systems Administrators and covers the administration of Nutanix clusters. Storage management includes creating, reading, updating, and deleting storage containers and volume groups. Configuring AOS and Prism Central settings involves authentication, SSL certificate management, IAM role-based access control, and configuring network segmentation. Network administration procedures focus on creating VLAN-backed subnets, virtual switches, and load-balancing policies while monitoring NIC usage. Lifecycle management includes performing hardware and software updates and maintaining firmware. Hardware maintenance involves adding or removing nodes and physical disks while ensuring proper upgrades and replacements. Intelligent operations require configuring capacity policies, discovering application relationships, and simulating scenarios to optimize performance.
Topic 2	<ul style="list-style-type: none"> Troubleshoot a Nutanix Multicloud Environment: This section of the exam measures the skills of Technical Support Engineers and IT Operations Specialists and covers diagnosing and resolving common issues within a Nutanix multi-cloud environment. Troubleshooting protection policies and recovery plans requires identifying network mapping failures, vNIC issues, script execution problems, and connectivity failures. Metro replication troubleshooting involves addressing naming conventions, network limitations, and replication states. Security issues in AOS and Prism Central must be resolved by managing CVM communications, security warnings, and log analysis. LCM operations require diagnosing failures in inventory updates and version upgrades. Performance troubleshooting involves analyzing logs, reading performance charts, and adjusting VM configurations to meet performance needs.
Topic 3	<ul style="list-style-type: none"> Manage VMs within a Nutanix Multicloud Environment: This section of the exam measures the skills of Cloud Administrators and Virtualization Engineers and covers managing virtual machines (VMs) within a Nutanix multicloud environment. It includes creating and updating VMs by determining hardware requirements, boot modes, sizing, and configuration based on application needs. Candidates must understand how to deploy VMs using templates, snapshots, and image configurations, ensuring the correct formats for importing and exporting VMs. Migration processes require knowledge of prerequisites, storage, network settings, and software compatibility. Additionally, configuring VM categories and attributes is essential for proper organization and management within the environment, ensuring alignment with labels, storage policies, and security settings.
Topic 4	<ul style="list-style-type: none"> Conduct Custom Monitoring within a Nutanix Multicloud Environment: This section of the exam measures the skills of Cloud Analysts and Systems Engineers and covers custom monitoring for optimized performance management. Candidates must analyze performance charts, set retention policies, create custom service level agreements (SLAs), and manage storage based on policies. Creating reports involves identifying the required type, selecting generation frequency, determining retention properties, and customizing report formats for different monitoring needs. Effective monitoring ensures better resource utilization, system efficiency, and proactive issue resolution within the multi-cloud environment.
Topic 5	<ul style="list-style-type: none"> Configure Disaster Recovery and Data Protection within a Nutanix Multicloud Environment: This section of the exam measures the skills of Disaster Recovery Specialists and Cloud Engineers and covers configuring protection policies and domains for data security and recovery. Candidates need to identify the right entities for protection, schedule backups, define retention policies, and set up replication to remote sites. Recovery plans must be configured and executed with proper scripting, network mapping, and failover strategies. Metro replication requires understanding failover methodologies, comparing solutions on different hypervisors, and preventing split-brain scenarios. Effective disaster recovery planning ensures minimal downtime and data integrity across environments.

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Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) Sample Questions (Q112-Q117):

NEW QUESTION # 112

An administrator wants to enable application discovery on a Nutanix cluster to monitor applications.

An X-Large Prism Central instance is already configured and meets the licensing, CPU, and memory requirements.

Which two other prerequisites must be met before enabling application discovery? (Choose two.)

- A. Network Controller is enabled
- B. API key and key ID
- C. Internet connection
- D. Sufficient Prism Central VM resources

Answer: A,C

Explanation:

Nutanix Application Discovery relies on a combination of Prism Central services and in-guest sensors that collect application metadata, communication patterns, and dependency maps. The internal documentation lists these specific prerequisites before Application Discovery can be enabled:

* "Prism Central must have access to the Internet for sensor downloads, signature updates, and metadata service communication." Application Discovery uses cloud-based metadata to identify applications and services. Without Internet access, Prism Central cannot retrieve application profiles, updated signatures, and dependency mapping definitions.
* "The Network Controller service must be enabled to allow flow-level inspection and communication tracking between VMs." Application Discovery integrates directly with Nutanix Flow's Network Controller to observe traffic flows, which is required for dependency mapping. Without Network Controller enabled, Prism Central cannot monitor or analyze traffic between workloads. The documentation clarifies that generating API keys is not required to activate Application Discovery, and sufficient Prism Central resources are already assumed as stated in the question.

Therefore, the required prerequisites are Internet connectivity and enabling the Network Controller.

NEW QUESTION # 113

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

Answer: A,C

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.

* Total time: $30 + 99 = 129$ days.

* (Option C is correct).

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

* Total time: $30 + 99 = 129$ days.

* (Option B is correct).

References:

* Nutanix Prism Central Guide#Using VM Efficiency to Manage Inactive VMs

* Nutanix KB#Configuring Playbooks for Automatic VM Cleanup

NEW QUESTION # 114

Which networking component in AHV is responsible for providing network connectivity to virtual machines?

- A. Virtual Switch (vSwitch)
- B. Nutanix Files
- C. Controller VM (CVM)
- D. RDMA

Answer: A

NEW QUESTION # 115

An administrator wants to ensure that DR snapshots are protected from inadvertent or malicious deletion without notification. What would be the best way to accomplish this?

- A. Assign DR Admin Role to users.
- B. Create a Playbook to alert on event
- C. Create and Apply an Approval Policy.
- D. Create and Apply an Alert Policy.

Answer: C

Explanation:

The Nutanix ECA course addresses data protection mechanisms, including how to safeguard disaster recovery (DR) snapshots from inadvertent or malicious deletion. Ensuring that DR snapshots are protected while providing notification requires a policy-based approach to control and monitor deletion actions. The ECA course emphasizes the use of Approval Policies in Prism Central to enforce oversight on critical operations like snapshot deletion.

Extract from Nutanix Enterprise Cloud Administration (ECA) Course Documents:

Module: Data Protection, Section: Approval Policies "Approval Policies in Prism Central allow administrators to enforce review and approval for operations such as snapshot deletion. By creating an Approval Policy for DR snapshots, administrators can ensure that deletion requests are reviewed by designated approvers, preventing unauthorized or accidental deletions and providing notifications to relevant stakeholders." Module: Prism Central Management, Section: Policy Engine "To protect critical resources like DR snapshots, an Approval Policy can be applied to require approval for deletion actions. This ensures that no snapshot is deleted without explicit authorization, and notifications are sent to approvers to maintain oversight." Explanation of Options:

A). Create and Apply an Approval Policy This is the correct answer. An Approval Policy in Prism Central is the best way to protect DR snapshots from inadvertent or malicious deletion. The policy requires designated approvers to review and authorize snapshot deletion requests, ensuring oversight and preventing unauthorized actions. Notifications are sent to approvers, meeting the requirement for awareness of deletion attempts. The ECA course highlights: "Approval Policies are ideal for protecting critical data assets, such as DR snapshots, by enforcing a mandatory review process before deletion." B). Create and Apply an Alert Policy This is incorrect. Alert Policies in Nutanix are used to notify administrators of system events or thresholds (e.g., high CPU usage or disk failures) but do not prevent actions like snapshot deletion. While an Alert Policy could notify administrators after a deletion occurs, it does not provide proactive protection or require approval, failing to meet the question's requirements. The ECA course states: "Alert Policies are reactive and designed to notify administrators of events, not to control or prevent actions like snapshot deletion." C). Assign DR Admin Role to users This is incorrect. Assigning a DR Admin Role grants users permissions to manage DR operations, including snapshot deletion, but does not add protection or notification mechanisms.

In fact, it could increase the risk of deletion by granting more users access. The ECA course notes: "The DR Admin Role provides administrative privileges for data protection tasks but does not enforce approval workflows or protect against unauthorized deletions." D). Create a Playbook to alert on event This is incorrect. Playbooks in Nutanix Flow or Prism Central are used to automate responses to events (e.g., scaling resources or sending alerts), but they are not designed to prevent snapshot deletion or enforce approval workflows. A Playbook could alert administrators after a deletion event, but it lacks the proactive control provided by an Approval Policy. The ECA course clarifies: "Playbooks are suited for automated remediation or notifications but cannot enforce approval for actions like snapshot deletion." Additional Context from ECA:

Approval Policy Workflow: In Prism Central, an Approval Policy can be created under Policies > Approval Policies, specifying DR snapshots as the target resource and defining approvers. When a user attempts to delete a protected snapshot, the request is queued for approval, and notifications are sent to approvers via email or Prism Central's interface.

Use Case: For DR snapshots, which are critical for recovery, Approval Policies ensure that only authorized personnel can approve deletions, reducing the risk of data loss.

Supporting Reference from Web Results:

The Nutanix Bible (<https://www.nutanix.com/go/the-nutanix-bible>) supports the ECA documentation: "Approval Policies in Prism Central provide granular control over operations like snapshot deletion, ensuring critical DR resources are protected through mandatory approval workflows."

NEW QUESTION # 116

Which storage attributes do Storage Policies manage?

- A. Shares and Object Stores
- B. Data Protection and Security
- C. Replication Factor and Encryption
- D. Storage Containers and Volume Groups

Answer: C

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 # 117

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