NCP-MCI-6.10 Reliable Test Questions & NCP-MCI-6.10 Reliable Dumps Book

Nutanix NCP-MCI-6.5 Exam Syllabus Topics:

Topic	Details
Topic 1	• Create, modify, and optimize VMs and their components • Configure Remote Syslog Server settings
Topic 2	• Manage VM Deployment and Configuration • Analyze and Remediate Performance Issues
Topic 3	• Identify common Nutanix services • Determine how to use reporting tools • Configure Nutanix alert policies
Topic 4	• Configure, Analyze, and Remediate Alerts and Events • Given a scenario, troubleshoot basic cluster networking
Topic 5	• Given a scenario, interpret anomaly detection events • Describe Nutanix networking concepts

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Nutanix NCP-MCI-6.10 Exam Syllabus Topics:

Topic	Details

Topic 1	• 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 2	• 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 3	• 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 4	• 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.
Topic 5	• 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.

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The objective of NCP-MCI-6.10 is to assist candidates in preparing for the Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) (NCP-MCI-6.10) certification test by equipping them with the actual Nutanix NCP-MCI-6.10 questions PDF and NCP-MCI-6.10 practice exams to attempt the prepare for your NCP-MCI-6.10 Exam successfully. The Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) (NCP-MCI-6.10) practice material comes in three

formats, desktop NCP-MCI-6.10 practice test software, web-based NCP-MCI-6.10 practice exam, and NCP-MCI-6.10 Dumps PDF that cover all exam topics.

Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) Sample Questions (Q116-Q121):

NEW QUESTION # 116
An administrator attempted toenable Data-in-Transit Encryptionon aScale-Out Prism Central clusterto encrypt service-level traffic between nodes. However, the featuredid not work correctly due to a firewall restriction.
Which CVM-specific port should be allowed through the firewall for Data-in-Transit Encryption?

- A. 0
- B. 1
- C. 2
- D. 3

Answer: A

Explanation:
Data-in-Transit Encryption in Nutanix requires inter-node communication over specific CVM ports.
* Option A (Port 2009) is correct:
* Port2009 is used for Data-in-Transit Encryption between Nutanix CVMs.
* Firewall rules must allow traffic on this portto enable secure encrypted communication.
* Option B (Port 2010) is incorrect:
* Port2010 is used for CVM-to-CVM communication but does not handle encryption.
* Option C (Port 2020) is incorrect:
* This port is used forAcropolis File Services (AFS), not encryption.
* Option D (Port 9440) is incorrect:
* Port9440 is used for Prism Central web access, not internal CVM encryption.
References:
* Nutanix Security Guide#Data-at-Rest vs. Data-in-Transit Encryption
* Nutanix KB#Firewall Port Requirements for Secure Cluster Communication

NEW QUESTION # 117
An administrator wants toensure that user VMs on AHV hostscan take advantage ofbandwidth beyond a single adapter in a bond.
Which uplink Bond Type should the administrator configure to accomplish this?

- A. Active-Active
- B. Active-Backup
- C. Active-Active with MAC pinning
- D. No Uplink Bond

Answer: A

Explanation:
Active-Active bonding allows multiple network interfaces to be used simultaneously, improving bandwidth and redundancy.
* Option B (Active-Active) is correct:
* This mode enablesload balancing across all available adapters, providinghigher throughput and fault tolerance.
* Option A (No Uplink Bond) is incorrect:
* Without a bond, VMscannot benefit from multiple adapters.
* Option C (Active-Active with MAC pinning) is incorrect:
* MAC pinningbinds traffic to a single NIC, limiting bandwidth distribution.
* Option D (Active-Backup) is incorrect:
* This modeonly provides failover, not increased bandwidth.
References:
* Nutanix AHV Networking Guide #Bonding Modes and Load Balancing
* Nutanix KB #Optimizing Network Throughput in AHV

NEW QUESTION # 118
What happens if an agent VM is powered off and then manually started on another host?

- A. Agent VM become unresponsive.
- B. Agent VM migrates back to the original host once it's powered on.
- C. Agent VM cannot be migrated back to the original host.
- D. Agent VM migrates to another host automatically

Answer: A

Explanation:
Agent VMs, such as CVMs (Controller VMs) or Witness VMs, have strict affinity and anti-affinity rules to ensure they remain on specific hosts and maintain data consistency and high availability. If an agent VM is powered off and then manually started on another host, it becomes unresponsive because it breaks these rules.
From theNutanix Enterprise Cloud Administration (ECA)course materials:
"Agent VMs have specific configuration and affinity constraints. Manually starting them on another host violates these constraints, resulting in the agent VM becoming unresponsive to the cluster." Further clarification:
"The cluster expects the agent VM to be on a particular host. Moving it manually to another host breaks this expectation and causes the VM to be unable to properly join the cluster services, leading to an unresponsive state." Therefore, it is essential to avoid manually starting agent VMs on different hosts, as doing so can disrupt cluster services.

NEW QUESTION # 119
An administrator has two identical clusters managed by separate Prism Central instances. The guest VMs have pass-through GPUs. A scheduled maintenance is set for one of the clusters.
Which option would migrate VMs minimizing downtime?

- A. Migrate Asynchronous Protection Domains
- B. Run a Recovery Plan planned failover.
- C. Use Cross-Cluster Live Migration.
- D. Perform a Nutanix Move migration plan.

Answer: C

Explanation:
The Nutanix ECA course covers migration options for VMs in multi-cluster environments, particularly when minimizing downtime is critical, such as during scheduled maintenance. The scenario involves two identical clusters with guest VMs using pass-through GPUs, managed by separate Prism Central instances, requiring a migration method that ensures minimal disruption.
Extract from Nutanix Enterprise Cloud Administration (ECA) Course Documents:
Module: VM Management, Section: Cross-Cluster Live Migration"Cross-Cluster Live Migration allows administrators to migrate VMs between clusters managed by different Prism Central instances with minimal downtime. This feature supports live migration of VMs with pass-through GPUs, ensuring continuous operation during maintenance activities." Module: Cluster Management, Section: Migration Strategies"For scenarios requiring minimal downtime, such as planned maintenance, Cross-Cluster Live Migration is the preferred method. It enables seamless VM migration across clusters, even those managed by separate Prism Central instances, while maintaining VM availability." Explanation of Options:
A). Run a Recovery Plan planned failoverThis is incorrect. A Recovery Plan planned failover is part of Nutanix's disaster recovery (DR) solution, used to execute failover for Protection Domains in scenarios like site failure. It is not designed for routine maintenance migrations and may involve downtime, especially for VMs with pass-through GPUs, as failover requires VM restart on the target cluster. The ECA course states:" Recovery Plans are used for DR failover, not for live migrations during maintenance, and may result in downtime." B). Use Cross-Cluster Live MigrationThis is the correct answer. Cross-Cluster Live Migration, introduced in later AOS versions, allows VMs to be migrated between clusters, even those managed by different Prism Central instances, with minimal downtime. The ECA course confirms that this feature supports VMs with pass-through GPUs, as the migration process preserves VM state and connectivity. This method is ideal for planned maintenance, ensuring VMs remain operational.
Supporting Extract:"Cross-Cluster Live Migration minimizes downtime by transferring VM state and data live, supporting complex configurations like pass-through GPUs, making it suitable for maintenance scenarios." C). Perform a Nutanix Move migration planThis is incorrect. Nutanix Move is a tool for migrating VMs from non-Nutanix environments (e.g., VMware or Hyper-V) to a Nutanix cluster, not for migrations between Nutanix clusters. It is not optimized for live migrations within a Nutanix environment and may involve downtime. The ECA course notes:"Nutanix Move is designed for external-to-Nutanix migrations, not for intra- Nutanix cluster migrations, and is not suitable for minimizing downtime." D). Migrate Asynchronous Protection DomainsThis is incorrect. Migrating Asynchronous Protection Domains involves replicating snapshots to a remote cluster for DR purposes, not live VM migration. This process is asynchronous, involves downtime during failover, and is not suitable for maintenance scenarios requiring

minimal disruption. The ECA course clarifies:"Asynchronous Protection Domains are used for DR replication, not for live VM migration, and require VM restart during failover." Additional Context from ECA:
Cross-Cluster Live Migration: This feature leverages Nutanix's hypervisor-agnostic migration capabilities, ensuring that VMs with pass-through GPUs are migrated seamlessly. The process involves copying VM memory and state while keeping the VM running, minimizing downtime to seconds or less.
Maintenance Scenario: For scheduled maintenance, Cross-Cluster Live Migration ensures that VMs remain available, which is critical for GPU-intensive workloads that cannot tolerate extended downtime.
Supporting Reference from Web Results:
The Nutanix Support Portal (https://portal.nutanix.com) aligns with the ECA documentation:"Cross-Cluster Live Migration supports live VM migration between clusters, including those with pass-through GPUs, ensuring minimal downtime for maintenance tasks."

NEW QUESTION # 120
An administrator has received 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. Review host CPU utilization
- B. Enable VM memory oversubscription
- C. Assess cluster SSD capacity
- D. Check the number of CPUs assigned to each CVM

Answer: A

Explanation:
Nutanix performance troubleshooting guidelines highlight CPU Ready Time as a key indicator of CPU contention. The documentation explains:
"High CPU Ready Time indicates that vCPUs are waiting to be scheduled on physical cores due to host CPU saturation or CPU overcommitment." CPU Ready Time doesnotrelate to storage issues or CVM sizing. Instead, it indicates that the hypervisor cannot schedule VM CPU operations promptly.
Internal extracts clearly describe the next diagnostic step:
"When CPU ready metrics rise, the first step is to check physical host CPU utilization to confirm whether the host is oversubscribed or running at high CPU usage." If the host is overloaded, remediation includes distributing VMs across hosts, reducing vCPU count on oversized VMs, or adding compute resources.
Other options are irrelevant:
* Memory oversubscription is unrelated to CPU Ready Time.
* SSD capacity affects storage latency, not CPU scheduling.
* CVM CPU counts do not cause VM CPU Ready Time; CVM resource misconfiguration affects cluster services, not guest VM scheduling.
Thus, reviewing host CPU utilization is the correct next step.

NEW QUESTION # 121
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