

Quiz 2026 Nutanix NCP-MCI-6.10: Authoritative Answers Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) Free



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Nutanix NCP-MCI-6.10 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 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 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 4	<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.
Topic 5	<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.

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Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) Sample Questions (Q81-Q86):

NEW QUESTION # 81

Refer to the Exhibit:

Host 1 (128 GB)			
VMs	VM Memory (GB)	Unused Memory (GB)	Unutilized Memory (GB)
VM1	64 GB	48 GB	16 GB
VM2	32 GB	20 GB	12 GB
VM3	32 GB	24 GB	8 GB
Total	128 GB	92 GB	36 GB

An administrator needs to create two virtual machines: VM4 and VM5 that leverage the memory over-commit feature.

Once VM4 is created and running, the administrator notices that it uses only 28GB of RAM.

What will be the maximum RAM that can be allocated to VM5 so that it can be powered on?

- A. 8GB
- B. 4GB
- C. 32GB
- D. 16GB

Answer: A

Explanation:

Understanding the Exhibit & Memory Allocation

- * The host has 128GB of physical RAM.
- * The current memory allocation across three VMs (VM1, VM2, VM3) is 128GB, but only 92GB is actually utilized.
- * This means there is 36GB of unutilized memory available for allocation.

Step-by-Step Breakdown

- * Existing Memory Usage Before Adding VM4
- * Total Physical RAM: 128GB
- * Used by running VMs (VM1, VM2, VM3): 92GB
- * Unutilized Memory Available: 36GB
- * After Creating and Running VM4
- * VM4 is allocated memory but only utilizes 28GB.
- * The table does not show VM4's allocated RAM, but assuming it was given a reasonable allocation, it must have been taken from the 36GB unutilized memory pool.
- * If VM4 uses 28GB, the remaining unutilized memory is now $(36GB - 28GB) = 8GB$.
- * Maximum Memory Allocation for VM5
- * Since only 8GB remains unutilized, the maximum memory VM5 can be allocated while still allowing it to power on is 8GB.

Evaluating the Answer Choices

- * (A) 4GB#(Incorrect)
- * More memory (8GB) is available, so limiting to 4GB is unnecessary.
- * (B) 8GB#(Correct)
- * The remaining unutilized memory after VM4 is 8GB, so VM5 can be allocated up to 8GB while ensuring it can power on.
- * (C) 16GB#(Incorrect)
- * Only 8GB is left, so 16GB is not possible.
- * (D) 32GB#(Incorrect)
- * There is not enough unutilized memory to allocate 32GB.

Key Concept: Nutanix Memory Overcommit

- * Nutanix AHV supports memory overcommit, meaning VMs can be allocated more memory than physically available using memory ballooning and swapping.
- * However, to power on VM5 without impacting performance, it must fit within the available unutilized memory, which is 8GB.

NEW QUESTION # 82

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 RESTful APIs to script creation of Recovery Plans
- B. Utilize Categories to organize VMs in Recovery Plans
- C. Utilize a VM naming schema that allows sorting
- D. Utilize a 1:10 ratio of Recovery Plan to VMs

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:

* Categories help group VMs based on application tiers (e.g., database, middleware, web servers).

* This ensures orderly failover while maintaining application dependencies.

* Option A (Naming schema) is incorrect:

* Naming conventions help, but they do not provide functional organization in recovery plans.

* Option C (1:10 Recovery Plan to VMs) is incorrect:

* The ratio depends on business requirements, not a fixed number.

* Option D (RESTful APIs) is incorrect:

* Automation is useful, but it does not replace proper VM grouping via categories.

References:

* Nutanix Disaster Recovery Guide #Using Categories for DR Management

* Nutanix KB #Organizing VMs for Disaster Recovery Planning

NEW QUESTION # 83

An administrator is tasked with protection of a business critical application. The application is running on a Linux VM and is using a custom DB that require application consistent snapshots for data integrity.

An administrator has written a pre_freeze and post_thaw scripts and placed them under /usr/local/sbin/.

During protection domain scheduled run an alert is generated:

Execution of the PostThaw Script Failed

Which two resolution steps could an administrator conduct to fix the issue? (Choose two.)

- A. Review the NGT logs under /usr/local/sbin/post_thaw.
- B. Ensure NGT service is up and running.
- C. Execute scripts manually and ensure they succeed
- D. Ensure that scripts have nutanix user ownership and admin access.

Answer: B,C

Explanation:

To resolve issues with application-consistent snapshots (script execution failures), two critical actions are needed:

* NGT Service Status: From the ECA materials:

"The Nutanix Guest Tools (NGT) service is responsible for executing pre-freeze and post-thaw scripts for application-consistent snapshots. If NGT is not running, these scripts will not execute."

* Script Validation:

"Before relying on scheduled snapshot runs, execute pre-freeze and post-thaw scripts manually to ensure they complete successfully. This helps to rule out script logic or permission issues." Ownership or log review of the script path itself (A and B) are secondary and typically not root-cause resolution steps.

NEW QUESTION # 84

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

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 # 85

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. Update Link Layer Discovery Protocol (LLDP).
- B. Disable Agent VM within the VM configuration options.
- **C. Enable Acropolis Dynamic Scheduling (ADS) at the cluster level.**
- D. Configure backplane port groups that are assigned to the CVM.

Answer: C

NEW QUESTION # 86

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