

NCP-MCI-6.10 Lab Questions & Valid Study NCP-MCI-6.10 Questions

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CHEM 1111

Pre-Lab Questions:

1. Define precipitate.

A precipitate is a solid that is formed by a solution due to the chemical reaction or the change in temperature.

2. Which of the following compounds are water soluble? KI, Na₂SO₄, AgCl, Mg(OH)₂, NaNO₃
KI, Na₂SO₄, and NaNO₃ are the following compounds that are soluble in water.

3. What gas is formed when a carbonate ion or salt reacts with an acid?

The gas that is formed when a carbonate ion or salt reacts with an acid is carbon dioxide.

4. Name three signs of chemical reaction you expect to see in this experiment.

The three signs of chemical reaction you expect to see in this experiment is the change of color, change of temperature, and formation of bubbles or a gas is shown in the experiment.

5. Bubbles are an indication that a gas has formed in the reaction.

6. Write the complete molecular, ionic, and net ionic reaction for the reaction of cadmium chloride and sodium hydroxide.

Cadmium chloride: CdCl₂

Sodium hydroxide: 2NaOH

Molecular Equation/Reaction: CdCl₂ (aq) + 2NaOH (aq) → Cd(OH)₂ (s) + 2NaCl (aq)

Ionic Equation/Reaction: Na₂S (aq) + CdCl₂ (aq) → 2NaCl (aq) + CdS (s)

Net Ionic Equation/Reaction: Cd²⁺ (aq) + 2OH⁻ (aq) → Cd(OH)₂ (s)

7. Define spectator ions.

Spectator ions are ions that don't participate in chemical reactions and they are present in the reactant and product sides of a chemical reaction.

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The Nutanix NCP-MCI-6.10 certification exam syllabus is changing with the passage of time. As a NCP-MCI-6.10 exam candidate you have to be aware of these Nutanix NCP-MCI-6.10 exam changes. To give you complete knowledge about the Nutanix NCP-MCI-6.10 Exam Topics, the BraindumpsIT has hired a team of experts that consistently work on these changes and add these changes in Nutanix NCP-MCI-6.10 exam practice test questions.

Nutanix NCP-MCI-6.10 Exam Syllabus Topics:

Topic	Details
Topic 1	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 2	• 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 3	• 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	• 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	• 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.

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Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI v6.10) Sample Questions (Q71-Q76):

NEW QUESTION # 71

Refer to Exhibit:

In a scale-out Prism Central deployment, what additional functionality does configuring an FQDN instead of a Virtual IP provide?

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

Answer: C

Explanation:

When using FQDN instead of a Virtual IP in a scale-out Prism Central deployment, Nutanix enables load balancing across multiple Prism Central instances.

- * Option A (Load balancing) is correct because it ensures that requests are distributed among multiple Prism Central nodes, improving performance and redundancy.
- * Option B (Resiliency) is incorrect because resiliency is achieved through HA and replication, not through FQDN configuration.
- * Option C (Segmentation) is incorrect because network segmentation is handled at the VLAN or security policy level.
- * Option D (SSL Certificate) is incorrect because 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 # 72

An administrator has deployed two Nutanix clusters and is now establishing synchronous replication between them. However, the replication is failing immediately.

Which two responses show the reason and corrective action an administrator can take to resolve the issue?

(Choose two.)

- A. Use the command `modify_firewall` to open the ports on `eth0` interface
- B. If the primary and the recovery clusters are on the same subnet, open the ports manually for communication.
- **C. If the primary and the recovery clusters are in different subnets, open the ports manually for communication.**
- **D. Use the command `modify_firewall` to open the ports on `eth1` interface.**

Answer: C,D

Explanation:

When synchronous replication fails immediately between two clusters, it is often due to blocked communication across the required ports (2009 and 2020). These must be open manually if the clusters are in different subnets or if network policies block traffic.

From the Nutanix Enterprise Cloud Administration (ECA) course materials:

"Replication communication relies on specific ports, which must be allowed through the firewall. If the clusters are in different subnets or if there are external firewalls, these ports must be explicitly opened."

"The `modify_firewall` command is used to open or close ports on cluster nodes. For replication and remote site communication, `eth1` is typically used for external replication traffic." Since `eth1` is typically used for external connectivity and replication traffic, opening ports on this interface using `modify_firewall` resolves the communication block.

NEW QUESTION # 73

Due to requirements from the network team, a Nutanix administrator must create User VMs on VLAN 10 on multiple AHV clusters.

What network configuration should the administrator consider in order to ensure consistent connectivity for User VMs on VLAN 10?

- A. MAC Address Prefix
- **B. Virtual Switch Configuration**
- C. MTU
- D. Bond Type

Answer: B

NEW QUESTION # 74

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

Answer: A

Explanation:

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

* Option B (Severity Level 2) is correct:

* Level 2 = CRITICAL# Used for serious conditions requiring immediate attention.

* Audit logs often generate Critical logs related to security, access violations, or major failures.

A screenshot of a computer Description automatically generated

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:

* 0 = Emergency (Too severe, only used for full system failures).

* 5 = Notice (Not critical, used for general system events).

* 7 = Debug (Not relevant for critical logs).

References:

Nutanix Security Guide#Syslog Integration and Severity Levels

Nutanix KB#Configuring Syslog for Prism Central Audit Logs

NEW QUESTION # 75

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

Answer: A

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 # 76

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