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Nutanix

NCS-Core

Nutanix Certified Services Core Infrastructure Professional AOS 6.5

Question: 402
A Nutanix administrator wants to implement a data protection strategy for a set of mission-critical VMs. Which Nutanix feature should be used to achieve this requirement?

A. Nutanix Calm
B. Nutanix Karbon
C. Nutanix Mine
D. Nutanix Backup

Answer: D
Explanation: Nutanix Backup is the Nutanix feature designed to provide data protection and backup capabilities for VMs, including mission-critical VMs. It allows administrators to implement a comprehensive data protection strategy for their Nutanix environment.

Question: 403
A Nutanix cluster is configured with an AHV hypervisor. The customer wants to use Nutanix's built-in backup and restore functionality to protect their VMs. Which two steps should the consultant take to implement this? (Choose two)

A. Enable the Nutanix Veeam backup integration

B. Enable the Nutanix Backup & Replication feature
C. Create a backup policy and schedule for the VMs
D. Install the Nutanix Backup Appliance on the cluster

Answer: B, C

Explanation: To use Nutanix's built-in backup and restore functionality, the consultant should enable the Nutanix Backup & Replication feature and create a backup policy and schedule for the VMs. The Nutanix Backup Appliance is not required for this functionality.

Question: 404

A customer has a Nutanix cluster with multiple virtual machine (VM) tiers, each with different performance requirements. The consultant needs to ensure that the high-performance VMs receive the necessary resources while the lower-performance VMs are not affected. Which Nutanix feature should the consultant use to achieve this?

A. Compression
B. Storage Tiering
C. Quality of Service (QoS)
D. Acropolis Volume Groups

Answer: C

Explanation: The correct answer is C. Quality of Service (QoS) is the Nutanix feature that the consultant should use to ensure that the high-performance VMs receive the necessary resources while the lower-performance VMs are not affected. QoS allows the administrator to set policies that prioritize specific workloads or applications, ensuring they receive the required resources and maintain their performance.

Question: 405

An administrator wants to upgrade the Nutanix Cluster to a newer version of AOS. Which of the following is the recommended approach?

A. Perform a rolling cluster upgrade
B. Perform a parallel cluster upgrade
C. Perform a full cluster reinstall
D. Perform a rolling hypervisor upgrade

Answer: A

Explanation: The correct answer is A. Performing a rolling cluster upgrade is the recommended approach for upgrading a Nutanix Cluster to a newer version of AOS. A rolling upgrade allows the cluster to be upgraded one node at a time, minimizing downtime and maintaining the availability of the cluster.

Question: 406
A Nutanix cluster is experiencing high disk latency. Which two Nutanix features can be used to optimize disk performance? (Choose two.)

A. Compression
B. Deduplication
C. Erasure Coding
D. Tiering

Answer: B, D
Explanation: Deduplication and Tiering are Nutanix features that can be used to optimize disk performance by reducing the amount of data stored and moving frequently accessed data to faster storage tiers. Compression and Erasure Coding are not directly related to optimizing disk performance.

Question: 407
An administrator is planning to use Nutanix Volumes to host a set of VMs that

will be moved between different clusters. Which Nutanix Volumes feature should they consider to ensure data mobility?

A. Snapshots
B. Replication
C. Compression
D. Deduplication

Answer: B

Explanation: The replication feature in Nutanix Volumes would be the most appropriate choice for ensuring data mobility when moving VMs between different clusters. Replication allows the administrator to synchronize the data between clusters, enabling seamless migration of the VMs.

Question: 408

Which Nutanix feature provides backup and recovery capabilities for virtual machines?

A. Nutanix Mine
B. Nutanix Snapshots
C. Nutanix Replication
D. Nutanix Data Protect

Answer: D

Explanation: Nutanix Data Protect is the feature that provides backup and recovery capabilities for virtual machines running on the Nutanix platform. It allows administrators to create and manage backup schedules, perform file-level and VM-level restores, and implement long-term data retention policies.

Question: 409

A Nutanix cluster is experiencing a high rate of node failures, and the

administrator suspects that the issue is related to a hardware problem. What should the administrator do to identify the root cause of the issue?

A. Check the cluster health dashboard
B. Analyze the node failure logs
C. Reboot the affected nodes
D. Replace the affected hardware components

Answer: B
Explanation: To identify the root cause of the high node failure rate, the administrator should analyze the node failure logs, which can provide valuable information about the underlying hardware issues causing the failures.

Question: 410
A customer wants to implement a backup and recovery strategy for their Nutanix cluster. Which two Nutanix features should the consultant recommend? (Choose two)

A. Nutanix Snapshots
B. Nutanix Replication
C. Nutanix Karbon
D. Nutanix Files

Answer: A, B
Explanation: Nutanix Snapshots and Nutanix Replication are the two primary Nutanix features that can be used to implement a comprehensive backup and recovery strategy. Nutanix Karbon and Nutanix Files are not directly related to the backup and recovery use case.

Question: 411
What is the purpose of the Nutanix Acropolis Hypervisor (AHV) in Nutanix AOS 6.5?

A. To provide storage management
B. To provide network management
C. To provide virtualization management
D. To provide backup and restore functionality

Answer: C

Explanation: The Nutanix Acropolis Hypervisor (AHV) in Nutanix AOS 6.5 is the virtualization management component that provides virtualization management capabilities.

Question: 412

A customer wants to implement a disaster recovery (DR) solution for their Nutanix cluster. They have a secondary site with an identical Nutanix cluster. Which two steps should the consultant take to configure the DR solution? (Choose two)

A. Enable replication between the primary and secondary clusters
B. Create a backup policy for the VMs on the primary cluster
C. Configure network and storage connectivity between the primary and secondary sites
D. Install the Nutanix Cluster Conversion tool on both the primary and secondary clusters

Answer: A, C

Explanation: To configure a disaster recovery solution for a Nutanix cluster, the consultant should enable replication between the primary and secondary clusters and ensure that there is proper network and storage connectivity between the two sites. The Nutanix Cluster Conversion tool is not required for this DR configuration.

Question: 413

A Nutanix cluster is experiencing high CPU utilization, and the administrator wants to investigate the root cause. During the investigation, the administrator notices that the cluster's hypervisor is set to KVM. What should the administrator consider to optimize the CPU utilization in this scenario?

A. Migrate the hypervisor to ESXi.
B. Migrate the hypervisor to Hyper-V.
C. Upgrade the hypervisor to the latest version of KVM.
D. Ensure the cluster's hardware is compatible with the KVM hypervisor.

Answer: A
Explanation: In the Nutanix ecosystem, the recommended hypervisor is ESXi, as it is generally more optimized for CPU utilization compared to KVM. Migrating the hypervisor from KVM to ESXi can help optimize the CPU utilization and improve the overall performance of the cluster.

Question: 414
A Nutanix cluster has a replication factor of 2. If a single node fails, how many copies of each data block will be available?

A. 1
B. 2
C. 3
D. 4

Answer: C
Explanation: With a replication factor of 2, each data block is replicated twice across the cluster. If a single node fails, the remaining two copies of each data block will still be available, resulting in 3 total copies of each block.
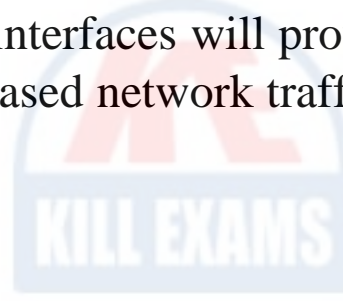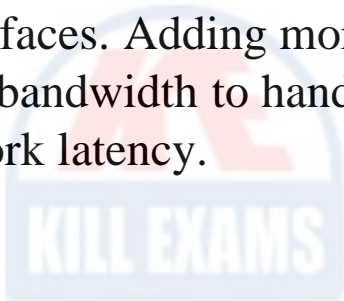
Question: 415
A Nutanix cluster is experiencing high network latency, and the administrator observes that the cluster's network utilization is consistently above 80%. What

should the administrator do to resolve this issue?

A. Increase the number of network interfaces
B. Disable network Quality of Service (QoS)
C. Implement network traffic shaping
D. Migrate the VMs to a different Nutanix cluster

Answer: A
Explanation: When a Nutanix cluster experiences high network latency due to high network utilization, the administrator should increase the number of network interfaces. Adding more network interfaces will provide more network capacity and bandwidth to handle the increased network traffic, reducing the overall network latency.

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