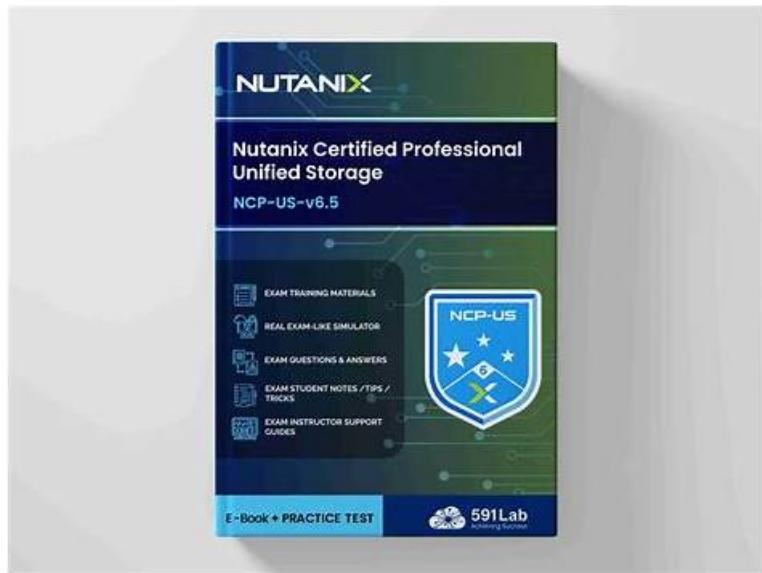


How to Prepare For Nutanix NCP-US-6.5 Certification Exam?



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Nutanix NCP-US-6.5 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Troubleshoot issues related to Nutanix Objects• Troubleshoot issues related to Nutanix Volumes
Topic 2	<ul style="list-style-type: none">• Deploy and Upgrade Nutanix Unified Storage• Perform upgrades• maintenance for Files• Objects implementations
Topic 3	<ul style="list-style-type: none">• Configure Nutanix Files with advanced features• Determine the appropriate method to ensure data availability• recoverability
Topic 4	<ul style="list-style-type: none">• Utilize File Analytics for data security• Troubleshoot Nutanix Unified Storage• Configure Nutanix Volumes
Topic 5	<ul style="list-style-type: none">• Given a scenario, configure shares, buckets, and• or Volume Groups• Troubleshoot a failed upgrade for Files• Objects
Topic 6	<ul style="list-style-type: none">• Identify the steps to deploy Nutanix Files• Given a scenario, determine product and sizing parameters

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Nutanix Certified Professional - Unified Storage (NCP-US) v6.5 Sample Questions (Q116-Q121):

NEW QUESTION # 116

An administrator has been directed to configure Volumes to Nutanix's best practices for security. What should the administrator do to be compliant?

- A. Use data services IP for external host connectivity.
- B. Enable at-rest encryption on Volume Groups.
- C. **Configure Volume Groups to use CHAP.**
- D. Segment iSCSI traffic to a physically separate network.

Answer: C

Explanation:

Nutanix Volumes is a feature that allows users to create and manage block storage devices (volume groups) on a Nutanix cluster. Volume groups can be accessed by external hosts using the iSCSI protocol. To secure volume groups from unauthorized access, Nutanix recommends configuring CHAP (Challenge-Handshake Authentication Protocol) for each volume group in Prism Element. CHAP is a security feature that authenticates iSCSI initiators and targets before allowing access to a volume group. CHAP requires both the initiator and the target to have a shared secret (a password) that is used to generate a challenge and a response during the authentication process. CHAP can prevent unauthorized access to volume groups and protect data from malicious attacks.

References: Nutanix Volumes Administration Guide, page 25; Nutanix Volumes Security Guide Nutanix's best practices for Volumes security emphasize securing iSCSI connections through authentication.

Configuring Volume Groups to use CHAP ensures that only authorized initiators can access the storage, preventing unauthorized access and aligning with security compliance requirements. This is a direct and mandatory step for securing Volumes, making it the best choice among the options.

Exact Extract from Nutanix Documentation:

From the Nutanix Volumes Administration Guide (available on the Nutanix Portal):

"To align with Nutanix best practices for security, configure Volume Groups to use CHAP (Challenge- Handshake Authentication Protocol) for iSCSI authentication. This ensures that only authorized initiators can access the Volume Group, protecting against unauthorized access and enhancing security."

:

Nutanix Volumes Administration Guide, Version 6.0, Section: "Security Best Practices for Nutanix Volumes" (Nutanix Portal). Nutanix Certified Professional - Unified Storage (NCP-US) Study Guide, Section: "Nutanix Volumes Security Configuration".

NEW QUESTION # 117

An administrator is planning to upgrade all ESXi hypervisors in a cluster hosting Files.

When performing one-click hypervisor upgrades, what prerequisite must be performed?

- A. **Disable the anti-affinity rules on all FSVMs.**
- B. Manually migrate the FSVMs.
- C. Shutdown the FSVMs.
- D. Enable the anti-affinity rules on all FSVMs.

Answer: A

Explanation:

The prerequisite that must be performed before performing one-click hypervisor upgrades is to disable the anti-affinity rules on all FSVMs. Anti-affinity rules are rules that prevent two or more VMs from running on the same host at the same time. Anti-affinity rules can improve the availability and performance of FSVMs by distributing them across different hosts in a cluster. However, anti-affinity rules can interfere with one-click hypervisor upgrades, which require all VMs on a host to be migrated to another host before upgrading the host. Therefore, the administrator must disable the anti-affinity rules on all FSVMs before performing one-click hypervisor upgrades, and re-enable them after the upgrades are completed. Reference: Nutanix Files Administration Guide, page 22; Nutanix Files Upgrade Guide

NEW QUESTION # 118

An administrator has been tasked with creating a distributed share on a single-node cluster, but has been unable to successfully complete the task.

Why is this task failing?

- A. File server version should be greater than 3.8.0
- B. AOS version should be greater than 6.0.
- C. Number of distributed shares limit reached.
- D. **Distributed shares require multiple nodes.**

Answer: D

Explanation:

A distributed share is a type of SMB share or NFS export that distributes the hosting of top-level directories across multiple FSVMs, which improves load balancing and performance. A distributed share cannot be created on a single-node cluster, because there is only one FSVM available. A distributed share requires at least two nodes in the cluster to distribute the directories. Therefore, the task of creating a distributed share on a single-node cluster will fail. Reference: Nutanix Files Administration Guide, page 33; Nutanix Files Solution Guide, page 8

NEW QUESTION # 119

An administrator needs to scale out an existing Files instance. Based on the Company's requirements, File instance has four FSVMs configured and needs to expand to six.

How many additional Client IP addresses and Storage IP addresses does the administrator require to complete this task?

- A. 3 Client IPs and 3 Storage IPs
- B. 3 Client IPs and 2 Storage IPs
- C. **2 Client IPs and 2 Storage IPs**
- D. 2 Client IPs and 3 Storage IPs

Answer: C

Explanation:

To scale out an existing Files instance, the administrator needs to add one Client IP and one Storage IP for each additional FSVM. Since the Files instance needs to expand from four FSVMs to six FSVMs, the administrator needs to add two Client IPs and two Storage IPs in total. The Client IPs are used for communication between the FSVMs and the clients, while the Storage IPs are used for communication between the FSVMs and the CVMs. References: Nutanix Files Administration Guide, page 28; Nutanix Files Solution Guide, page 7

NEW QUESTION # 120

An administrator has performed an AOS upgrade, but noticed that the compression on containers is not happening. What is the delay before compression begins on the Files container?

- A. 12 hours
- B. 30 minutes
- C. 24 hours
- D. **60 minutes**

Answer: D

Explanation:

Nutanix Files, part of Nutanix Unified Storage (NUS), stores its data in containers managed by the Nutanix Acropolis Operating System (AOS). AOS supports data compression to optimize storage usage, which can be applied to Files containers. After an AOS upgrade, compression settings may take effect after a delay, as the system needs to stabilize and apply the new configuration.

Analysis of Options:

* Option A (30 minutes): Incorrect. A 30-minute delay is too short for AOS to stabilize and initiate compression after an upgrade. Compression is a background process that typically requires a longer delay to ensure system stability.

* Option B (60 minutes): Correct. According to Nutanix documentation, after an AOS upgrade, there is a default delay of 60 minutes before compression begins on containers, including those used by Nutanix Files. This delay allows the system to complete post-upgrade tasks (e.g., metadata updates, cluster stabilization) before initiating resource-intensive operations like compression.

* Option C (12 hours): Incorrect. A 12-hour delay is excessive for compression to start. While some AOS processes (e.g., data deduplication) may have longer delays, compression typically begins sooner to optimize storage usage.

* Option D (24 hours): Incorrect. A 24-hour delay is also too long for compression to start. Nutanix aims to apply compression relatively quickly after the system stabilizes, and 60 minutes is the documented delay for this process.

Why Option B?

After an AOS upgrade, compression on containers (including Files containers) is delayed by 60 minutes to allow the cluster to stabilize and complete post-upgrade tasks. This ensures that compression does not interfere with critical operations immediately following the upgrade, balancing system performance and storage optimization.

Exact Extract from Nutanix Documentation:

From the Nutanix AOS Administration Guide (available on the Nutanix Portal):

"After an AOS upgrade, compression on containers, including those used by Nutanix Files, is delayed by 60 minutes. This delay allows the cluster to stabilize and complete post-upgrade tasks before initiating compression, ensuring system reliability."

:

Nutanix AOS Administration Guide, Version 6.0, Section: "Compression Settings Post-Upgrade" (Nutanix Portal).

Nutanix Certified Professional - Unified Storage (NCP-US) Study Guide, Section: "Nutanix Files Storage Optimization".

NEW QUESTION # 121

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