

# First-grade Nutanix NCP-US-6.5 - Nutanix Certified Professional - Unified Storage (NCP-US) v6.5 Download Fee



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## Nutanix NCP-US-6.5 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• Utilize File Analytics for data security</li><li>• Troubleshoot Nutanix Unified Storage</li><li>• Configure Nutanix Volumes</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• Configure and Utilize Nutanix Unified Storage</li><li>• Identify the steps to deploy Nutanix Objects</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• Configure Nutanix Objects</li><li>• Describe how to monitor performance and usage</li></ul>
Topic 4	<ul style="list-style-type: none"><li>• Configure Nutanix Files with advanced features</li><li>• Determine the appropriate method to ensure data availability</li><li>• recoverability</li></ul>
Topic 5	<ul style="list-style-type: none"><li>• Given a scenario, configure shares, buckets, and</li><li>• or Volume Groups</li><li>• Troubleshoot a failed upgrade for Files</li><li>• Objects</li></ul>
Topic 6	<ul style="list-style-type: none"><li>• Troubleshoot issues related to Nutanix Objects</li><li>• Troubleshoot issues related to Nutanix Volumes</li></ul>

Topic 7	<ul style="list-style-type: none"> <li>• Deploy and Upgrade Nutanix Unified Storage</li> <li>• Perform upgrades</li> <li>• maintenance for Files</li> <li>• Objects implementations</li> </ul>
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### Nutanix Certified Professional - Unified Storage (NCP-US) v6.5 Sample Questions (Q27-Q32):

#### NEW QUESTION # 27

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

**Answer: B**

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. References: Nutanix Files Administration Guide, page 33; Nutanix Files Solution Guide, page 8 A distributed share in Nutanix Files, part of Nutanix Unified Storage (NUS), is a share that spans multiple File Server Virtual Machines (FSVMs) to provide scalability and high availability. Distributed shares are designed to handle large-scale workloads by distributing file operations across FSVMs.

Analysis of Options:

\* Option A (File server version should be greater than 3.8.0): Incorrect. While Nutanix Files has version-specific features, distributed shares have been supported since earlier versions (e.g., Files 3.5).

The failure to create a distributed share on a single-node cluster is not due to the Files version.

\* Option B (Distributed shares require multiple nodes): Correct. Distributed shares in Nutanix Files require a minimum of three FSVMs for high availability and load balancing, which in turn requires a cluster with at least three nodes. A single-node cluster cannot support a distributed share because it lacks the necessary nodes to host multiple FSVMs, which are required for the distributed architecture.

\* Option C (AOS version should be greater than 6.0): Incorrect. Nutanix AOS (Acropolis Operating System) version 6.0 or later is not a specific requirement for distributed shares. Distributed shares have been supported in earlier AOS versions (e.g., AOS 5.15 and later with compatible Files versions). The issue is related to the cluster's node count, not the AOS version.

\* Option D (Number of distributed shares limit reached): Incorrect. The question does not indicate that the administrator has reached a limit on the number of distributed shares. The failure is due to the single-node cluster limitation, not a share count limit.

Why Option B?

A single-node cluster cannot support a distributed share because Nutanix Files requires at least three FSVMs for a distributed share, and each FSVM typically runs on a separate node for high availability. A single-node cluster can support a non-distributed (standard) share, but not a distributed share, which is designed for scalability across multiple nodes.

Exact Extract from Nutanix Documentation:

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

"Distributed shares in Nutanix Files require a minimum of three FSVMs to ensure scalability and high availability. This requires a cluster with at least three nodes, as each FSVM is typically hosted on a separate node. Single-node clusters do not support distributed shares due to this requirement."

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Nutanix Files Administration Guide, Version 4.0, Section: "Distributed Shares Requirements" (Nutanix Portal).

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

### NEW QUESTION # 28

ionization deployed Files in multiple sites, including different geographical locations across the globe. The organization has the following requirements to improve their data management lifecycle:

- \* Provide a centralized management solution.
- \* Automate archiving tier policies for compliance purposes.
- \* Protect the data against ransomware.

Which solution will satisfy the organization's requirements?

- A. Prims Central
- B. Files Analytics
- C. Data Lens

**Answer: C**

Explanation:

Data Lens can provide a centralized management solution for Files deployments in multiple sites, including different geographical locations. Data Lens can also automate archiving tier policies for compliance purposes, by allowing administrators to create policies based on file attributes, such as age, size, type, or owner, and move files to a lower-cost tier or delete them after a specified period. Data Lens can also protect the data against ransomware, by allowing administrators to block malicious file signatures from being written to the file system. References: Nutanix Data Lens Administration Guide

### NEW QUESTION # 29

An administrator has deployed a new Files cluster within a Windows Environment.

After some days, the Files environment is not able to synchronize users with the Active Directory server anymore. The administrator observes a large time difference between the Files environment and the Active Directory Server that is responsible for the behavior. How should the administrator prevent the Files environment and the AD Server from having such a time difference in future?

- A. Use 0.pool.ntp.org as the NTP Server for the Files environment.
- B. Use the same NTP Servers for the File environment and the AD Server.
- C. Connect to every FSVM and edit the time manually.
- D. Use 0.pool.ntp.org as the NTP Server for the AD Server.

**Answer: B**

Explanation:

The administrator should prevent the Files environment and the AD Server from having such a time difference in future by using the same NTP Servers for the File environment and the AD Server. NTP (Network Time Protocol) is a protocol that synchronizes the clocks of devices on a network with a reliable time source. NTP Servers are devices that provide accurate time information to other devices on a network. By using the same NTP Servers for the File environment and the AD Server, the administrator can ensure that they have consistent and accurate time settings and avoid any synchronization issues or errors. Reference: Nutanix Files Administration Guide, page 32; Nutanix Files Troubleshooting Guide

### NEW QUESTION # 30

An administrator has created a volume and needs to attach it to a windows host via iSCSI. The data Services IP has been configured in the MS iSCSI Initiator, but no target are visible.

What is most likely the cause this issue?

- A. The host's IQN is not authorized to access to the volume.
- B. The CHAP password configured on the client is incorrect.

- C. The CHAP Authentication has not been configured on the client.
- D. The host's IP address is not authorized to access the volume.

**Answer: A**

Explanation:

Nutanix Volumes uses IQN-based authorization to control access to volumes. The administrator must specify the IQN of the host that needs to access the volume when creating or editing the volume. If the host's IQN is not authorized, it will not be able to see the target in the MS iSCSI Initiator<sup>3</sup>. Reference: Nutanix Volumes Administration Guide<sup>3</sup>

### NEW QUESTION # 31

Life Cycle Manager must have compatible versions of which two components before installing or upgrading Files? (Choose two.)

- A. Nutanix Cluster Check
- B. Active Directory Services
- C. File Server Module
- D. Acropolis Operating System

**Answer: A,D**

Explanation:

Nutanix Files, part of Nutanix Unified Storage (NUS), can be installed or upgraded using Life Cycle Manager (LCM), a tool in Prism Central or Prism Element for managing software updates. Before installing or upgrading Files, LCM must ensure that the underlying components are compatible to avoid issues during the process.

Analysis of Options:

- \* Option A (Nutanix Cluster Check): Correct. Nutanix Cluster Check (NCC) is a health and compatibility checking tool integrated with LCM. LCM requires a compatible version of NCC to perform pre-upgrade checks and validate the cluster's readiness for a Files installation or upgrade. NCC ensures that the cluster environment (e.g., hardware, firmware, software) is compatible with the Files version being installed or upgraded.
- \* Option B (Active Directory Services): Incorrect. Active Directory (AD) Services are used by Nutanix Files for user authentication (e.g., for SMB shares or multiprotocol access, as in Question 60), but AD is not a component managed by LCM, nor is it a prerequisite for LCM compatibility. AD configuration is a separate requirement for Files functionality, not LCM operations.
- \* Option C (File Server Module): Incorrect. There is no "File Server Module" component in Nutanix terminology. Nutanix Files itself consists of File Server Virtual Machines (FSVMs), but this is the component being upgraded, not a prerequisite for LCM. LCM manages the Files upgrade directly and does not require a separate "module" compatibility.
- \* Option D (Acropolis Operating System): Correct. The Acropolis Operating System (AOS) is the core operating system of the Nutanix cluster, managing storage, compute, and virtualization. LCM requires a compatible AOS version to install or upgrade Files, as Files relies on AOS features (e.g., storage, networking) and APIs. LCM checks the AOS version to ensure it meets the minimum requirements for the target Files version.

Selected Components:

- \* A: NCC ensures cluster compatibility and readiness, which LCM relies on for Files installation or upgrades.
- \* D: AOS provides the underlying platform for Files, and LCM must ensure its version is compatible with the Files version being deployed.

Exact Extract from Nutanix Documentation:

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

"Before installing or upgrading Nutanix Files using Life Cycle Manager (LCM), ensure that LCM has compatible versions of Nutanix Cluster Check (NCC) and Acropolis Operating System (AOS). NCC performs pre-upgrade checks to validate cluster readiness, while AOS must meet the minimum version requirements for the target Files version."

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Nutanix Files Administration Guide, Version 4.0, Section: "Prerequisites for Files Installation/Upgrade with LCM" (Nutanix Portal).  
Nutanix Certified Professional - Unified Storage (NCP-US) Study Guide, Section: "Nutanix Files LCM Requirements".

### NEW QUESTION # 32

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