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Nutanix Certified Professional – Unified Storage (NCP-US) v6 exam

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QUESTION 1

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. Data Lens
- C. Files Analytics

Correct Answer: B

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

QUESTION 2

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

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

Correct Answer: BD

References: Nutanix Files Administration Guide, Nutanix Cluster Check Guide

QUESTION 3

An administrator created a bucket for an upcoming project where internal users as well as an outside consultant Object Browser. The administrator needs to provide both internal and consultant access to the same bucket.

The organization would like to prevent internal access to the consultant, based on their security policy.

Which two items are required to fulfill this requirement? (Choose two.)

- A. Configure Directory Services under the Access Keys section
- B. Generate access keys based on directory and email-based users.
- C. Install third-party software for bucket access to all users.
- D. Generate access keys using third-party software.

Correct Answer: AB

Explanation: Nutanix Objects supports directory services integration, which allows administrators to configure access keys based on directory and email-based users. This enables granular access control and security for buckets and objects. The administrator can configure directory services under the Access Keys section in Prism Central, and then generate access keys for internal users from the directory service and for the consultant from an email address².

References: Nutanix Objects Administration Guide²

QUESTION 4

An administrator is attempting to create a share that will provide user access via SMB and NFS. However, the Enable multiprotocol accounts for NFS clients settings is not available.

What would cause this issue?

- A. The connection to Active Directory has not been configured.
- B. The file server instance was only configured with SMB.
- C. The incorrect Files license has been applied.
- D. NFS configured to use unmanaged authentication.

Correct Answer: A

Explanation: The cause of this issue is that the connection to Active Directory has not been configured. Active Directory is a service that provides centralized authentication and authorization for Windows-based clients and servers. To create a share that will provide user access via SMB and NFS, the administrator must first configure the connection to Active Directory in the Files Console. This will allow the administrator to enable multiprotocol accounts for NFS clients, which are accounts that map NFS users to SMB users and groups for consistent access control across both protocols.

References: Nutanix Files Administration Guide, page 32; Nutanix Files Solution Guide, page 6

QUESTION 5

An administrator is able to review and modify objects in a registered ESXi cluster from a PE instance, but when the administrator attempts to deploy an Objects cluster to the same ESXi cluster, the error that is shown in the exhibit is shown. What is the appropriate configuration to verify to allow successful Objects cluster deployment to this ESXi cluster?

- A. Ensure that vCenter in PE cluster is registered using FQDN and that vCenter details in Objects UI are using FQDN.
- B. Replace the expired self-signed SSL certificate for the Object Store with a non-expired one signed by a valid Certificate Authority.

- C. Replace the expired self-signed SSL certificate for the Object Store with a non-expired self signed SSL certificate.
- D. Ensure that vCenter in PE cluster is registered using FQDN and that vCenter details in Objects UI are using IP address.

Correct Answer: A

Explanation: The appropriate configuration to verify to allow successful Objects cluster deployment to this ESXi cluster is to ensure that vCenter in PE cluster is registered using FQDN (Fully Qualified Domain Name) and that vCenter details in Objects UI are using FQDN. FQDN is a domain name that specifies the exact location of a host in the domain hierarchy. For example, esxi01.nutanix.com is an FQDN for an ESXi host. Using FQDN instead of IP addresses can avoid certificate validation errors when deploying Objects clusters to ESXi clusters. References: Nutanix Objects User Guide, page 9; Nutanix Objects Troubleshooting Guide, page 5

QUESTION 6

An administrator has performed an upgrade to Files. After upgrading, the file server cannot reach the given domain name with the specified DNS server list.

Which two steps should the administrator perform to resolve the connectivity issues with the domain controller servers? (Choose two.)

- A. Verify the DNS settings in Prism Element.
- B. DNS entries for the given domain name.
- C. Verify the DNS settings in Prism Central.
- D. DNS server addresses of the domain controllers.

Correct Answer: AB

Explanation: The two steps that the administrator should perform to resolve the connectivity issues with the domain controller servers are:

Verify the DNS settings in Prism Element: DNS (Domain Name System) is a system that translates domain names into IP addresses. DNS settings are configurations that specify which DNS servers to use for resolving domain names.

Verifying the DNS settings in Prism Element is a step that the administrator should perform, because it can help identify and correct any incorrect or outdated DNS server addresses or domain names that may cause connectivity issues with the domain controller servers.

Verify the DNS entries for the given domain name: DNS entries are records that map domain names to IP addresses or other information. Verifying the DNS entries for the given domain name is another step that the administrator should

perform, because it can help check and update any incorrect or outdated IP addresses or other information that may cause connectivity issues with the domain controller servers. References: Nutanix Files Administration Guide, page 32;

Nutanix Files Troubleshooting Guide

QUESTION 7

Which two steps are required for enabling Data Lens? (Choose two.)

- A. In Prism, enable Pulse health monitoring.
- B. Configure a MyNutanix account to access the Data Lens console-
- C. Add File Services VM admin credentials to a MyNutanix account.
- D. Configure the Data Services IP in Prism Central.

Correct Answer: AD

Explanation: The two steps that are required for enabling Data Lens are: In Prism, enable Pulse health monitoring: Pulse is a feature that collects diagnostic and usage information from Nutanix clusters and services and sends it to Nutanix for analysis and support purposes. Pulse health monitoring is a feature that monitors the health status of Nutanix clusters and services and sends alerts to Nutanix if any issues are detected. To enable Data Lens, Pulse health monitoring must be enabled in Prism Element or Prism Central. Configure the Data Services IP in Prism Central: Data Services IP is an IP address that is used for communication between Prism Central and Data Lens. Data Services IP must be configured in Prism Central before enabling Data Lens for any file server. Data Services IP must be routable from both Prism Central and Data Lens. References: Nutanix Files Administration Guide, page 93; Nutanix Data Lens Deployment Guide

QUESTION 8

Which two platform are currently supported for Smart Tiering? (Choose two.)

- A. Google Cloud Storage
- B. AWS Standard
- C. Wasabi
- D. Azure Blob

Correct Answer: BD

Explanation: The two platforms that are currently supported for Smart Tiering are AWS Standard and Azure Blob. Smart Tiering is a feature that allows administrators to tier data from Files to cloud storage based on file age, file size, and file type. Smart Tiering can help reduce the storage cost and optimize the performance of Files. Smart Tiering currently supports AWS Standard and Azure Blob as the cloud storage platforms, and more platforms will be added in the future. References: Nutanix Files Administration Guide, page 99; Nutanix Files Solution Guide, page 11

QUESTION 9

Deploying Files instances require which two minimum resources? (Choose two)

- A. 12 GiB of memory per host
- B. 8 vCPUs per host
- C. 8 GiB of memory per host
- D. 4 vCPUs per host

Correct Answer: CD

Explanation: The two minimum resources that are required for deploying Files instances are 8 GiB of memory per host and 4 vCPUs per host. Memory and vCPUs are resources that are allocated to VMs (Virtual Machines) to run applications and processes. Files instances are file server instances (FSIs) that run on FSVMs (File Server VMs) on a Nutanix cluster. FSVMs require at least 8 GiB of memory and 4 vCPUs per host to function properly and provide SMB and NFS access to file shares and exports. The administrator should ensure that there are enough memory and vCPUs available on each host before deploying Files instances. References: Nutanix Files Administration Guide, page 27; Nutanix Files Solution Guide, page 6

QUESTION 10

An organization currently has a Files cluster for their office data including all department shares. Most of the data is considered cold Data and they are looking to migrate to free up space for future growth or newer data.

The organization has recently added an additional node with more storage. In addition, the organization is using the Public Cloud for .. storage needs.

What will be the best way to achieve this requirement?

- A. Migrate cold data from the Files to tape storage.
- B. Backup the data using a third-party software and replicate to the cloud.
- C. Setup another cluster and replicate the data with Protection Domain.
- D. Enable Smart Tiering in Files within the File Console.

Correct Answer: D

QUESTION 11

What is the minimum and maximum file size limitations for Smart Tiering?

- A. 64 KiB minimum and 15 TiB maximum
- B. 128 IOB minimum and 5 TiB maximum
- C. 64 KiB minimum and 5 TiB maximum
- D. 128 KiB minimum and 13 TiB maximum

Correct Answer: C

Explanation: Smart Tiering is a feature that allows Files to tier data across different storage tiers based on the file size and access frequency. Smart Tiering supports files with a minimum size of 64 KiB and a maximum size of 5 TiB2. References: Nutanix Files Administration Guide2

QUESTION 12

Which error logs should the administrator be reviewing to determine why the relates service is down?

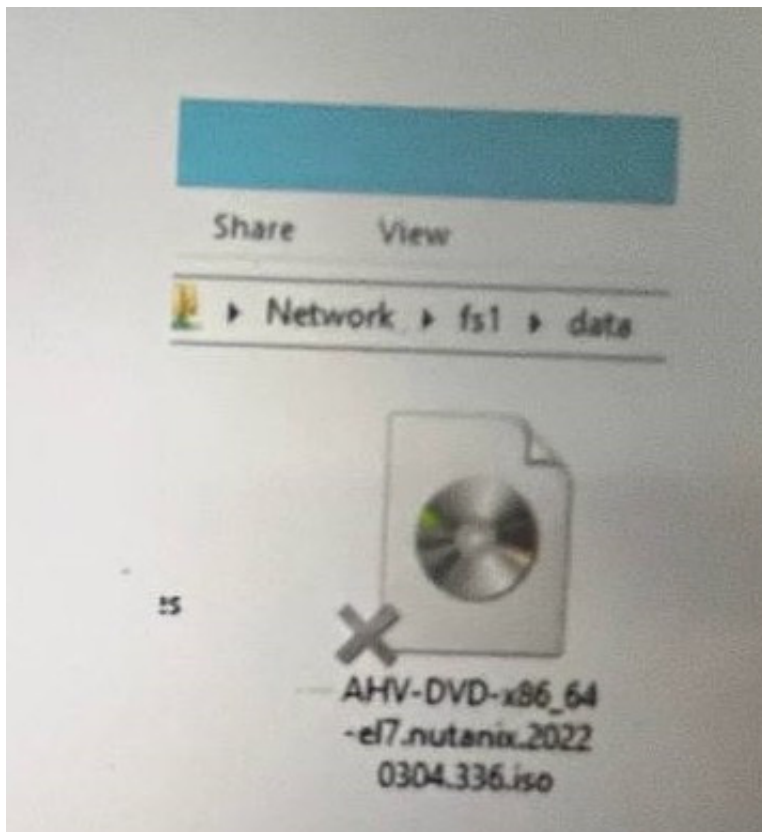
- A. Solver.log
- B. Arithmos.ERROR
- C. Cerebro.ERROR
- D. Tcpkill.log

Correct Answer: C

Explanation: The error log that the administrator should review to determine why the relay service is down is Cerebro.ERROR. Cerebro is a service that runs on each FSVM and provides relay functionality for Data Lens. Relay service is responsible for collecting metadata and statistics from FSVMs and sending them to Data Lens via HTTPS. If Cerebro.ERROR log shows any errors or exceptions related to relay service, it can indicate that relay service is down or not functioning properly. References: Nutanix Files Administration Guide, page 23; Nutanix Data Lens User Guide

QUESTION 13

Refer to the exhibit.



What does the '\X\' represent on the icon?

- A. Share Disconnected File
- B. Corrupt ISO
- C. Distributed shared file

D. Tiered File

Correct Answer: C

The "X" on the icon represents a distributed shared file, which is a file that belongs to a distributed share or export. A distributed share or export is a type of SMB share or NFS export that distributes the hosting of top-level directories across multiple FSVMs. The "X" indicates that the file is not hosted by the current FSVM, but by another FSVM in the cluster. The "X" also helps to identify which files are eligible for migration when using the Nutanix Files Migration Tool. References: Nutanix Files Administration Guide, page 34; Nutanix Files Migration Tool User Guide, page 10

QUESTION 14

How many configure snapshots are supported for SSR in a file server?

- A. 25
- B. 50
- C. 100
- D. 200

Correct Answer: D

Explanation: The number of configurable snapshots that are supported for SSR in a file server is 200. SSR (Snapshot-based Replication) is a feature that allows administrators to replicate snapshots of shares or exports from one file server to another file server on a different cluster or site for disaster recovery purposes. SSR can be configured with various parameters, such as replication frequency, replication status, replication mode, etc. SSR supports up to 200 configurable snapshots per share or export in a file server. References: Nutanix Files Administration Guide, page 81; Nutanix Files Solution Guide, page 9

QUESTION 15

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

Correct Answer: B

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

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