Vendor: Nutanix

Exam Code: NCP-US-6.5

Exam Name: Nutanix Certified Professional - Unified Storage v6.5

Version: DEMO

QUESTION 1
An administrator has received an alert A160068 - AFSDuplicateIPDetected details of alert as
follows:

```
Block Serial Number: 16SMXXXXXXXX
alert_time: Thu Jan 19 2023 23:14:10 GMT-0800 (PST)
alert_type: AFSDuplicateIPDetected
alert_msg: A160068: Duplicate IP address detected for a file server VMs
for {file_server_name}. Error Message: {message}
cluster_id: xxxxx
alert_body: No Alert Body Available
```

Which error log should the administrator review to determine the related Duplicate IP address
involved?

A. solver.log
B. minerva_cvm.log
C. tcpkill.log
D. minerva_nvm.log

Answer: D
Explanation:
https://portal.nutanix.com/page/documents/kbs/details?targetId=kA00e000000CvHICA0

QUESTION 2
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. Enable the anti-affinity rules on all FSVMs.
B. Manually migrate the FSVMs.
C. Disable the anti-affinity rules on all FSVMs.
D. Shutdown the FSVMs.

Answer: C
Explanation:
When performing one-click hypervisor upgrades that have Files, disable the anti-affinity rules on
all FSVMs. After the hypervisor successfully upgrades, enable the anti-affinity rules on the
FSVMs.
https://portal.nutanix.com/page/documents/details?targetId=Files-v4_2:fil-fs-lcm-upgrade-c.html

QUESTION 3
What is the minimum and maximum file size limitations for Smart Tiering?

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

Answer: B
Explanation:

You cannot tier files that are smaller than 64 KiB or larger than 5 TiB.
https://portal.nutanix.com/page/documents/details?targetId=Files-v4_4:fil-files-tiering-c.html

QUESTION 4
What is a prerequisite for deploying Smart DR?

A. Requires one-to-many shares.
B. The primary and recovery file servers must have the same domain name.
C. Open TCP port 7515 on all client network IPs (uni-directionally on the source and recovery file servers).
D. The Files Manager must have at least three file servers.

Answer: B
Explanation:
The Files Manager must have at least two file servers.
Note: Nutanix recommends using file servers on different PE clusters to ensure DR after a cluster-wide outage.
The number of FSVMs between the source and recovery sites must match.
Note: After protection policy creation, perform scale-out on the recovery file server before performing it on the primary file server.
The primary and recovery file servers must support the same protocols.
For AD, the primary and recovery file servers must have the same domain name.
Open TCP port 7515 on all client network IPs (bi-directionally on the source and recovery file servers). Also, meet the Files port requirements as specified in the Port Reference.

QUESTION 5
Deploying Files instances require which two minimum resources? (Choose two.)

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

Answer: AC
Explanation:
https://portal.nutanix.com/page/documents/solutions/details?targetId=TN-2041-Nutanix-Files:tn-nutanix-files-architecture.html

QUESTION 6
An administrator has discovered that File server services are down on a cluster.
Which service should the administrator investigate for this issue?

A. cassandra
B. insights_collector
C. minerva_nvm
D. sys_stats_server

Answer: C
Explanation:
The Minerva NVM Service talks to the local CVM (of FSVM) and sends heartbeats to share health information and help with failover.

https://portal.nutanix.com/page/documents/solutions/details?targetId=TN-2041-Nutanix-Files:TN-2041-Nutanix-Files

QUESTION 7
Which Nutanix Unified Storage capability allows for monitoring usage for all Files deployments globally?

A. Files Manager
B. Data Lens
C. Nutanix Cloud Manager
D. File Analytics

Answer: B
Explanation:
Hosting File Analytics on premises limits the service to local file servers only. In contrast, Data Lens functions on a global level, in a cluster-neutral environment, without being tied to a single Nutanix cluster.
https://portal.nutanix.com/page/documents/details?targetId=Data-Lens:Data-Lens#:~:text=Hosting%20File%20Analytics%20on%20premises,to%20a%20single%20Nutanix%20cluster

QUESTION 8
What is the primary criteria that should be considered for performance-sensitive application shares with sequential I/O?

A. Connections
B. IOPS
C. Throughput
D. Block size

Answer: C
Explanation:
The primary criteria that should be considered for performance-sensitive application shares with sequential I/O is throughput. Throughput is a measure of how much data can be transferred or processed in a given time period. Throughput is usually expressed in megabytes per second (MB/s) or gigabytes per second (GB/s). Sequential I/O is a type of I/O pattern where data is read or written in a sequential order, such as streaming media, backup, or archive applications. Sequential I/O typically requires high throughput to transfer large amounts of data quickly and efficiently.

QUESTION 9
An administrator is tasked with performing an upgrade to the latest Objects version.
What should the administrator do prior to upgrading Object Manager?

A. Upgrade Objects service
B. Upgrade AOS
C. Upgrade MSP
D. Upgrade Lifecycle Manager

Answer: C
Explanation:

You need to upgrade the MSP Controller before upgrading the Objects Manager and Objects Service.
https://portal.nutanix.com/page/documents/details?targetId=Objects-v4_3:top-msp-lifecycle-c.html

QUESTION 10
An administrator is looking for a tool that includes these features:

```
- Permission Denials
- Top 5 Active Users
- Top 5 Accessed Files
- File Distribution by Type
```

Which Nutanix tool should the administrator choose?

A. Files Console
B. File Analytics
C. File Server Manager
D. Prism Central

Answer: B
Explanation:
https://portal.nutanix.com/page/documents/details?targetId=File-Analytics-v3_3:ana-analytics-reports-c.html

QUESTION 11
Which protocols are supported by Files?

A. SMBv2, SMBv3, NFSv2, NFSv3
B. SMBv1, SMBv2, NFSv3, NFSv4
C. SMBv2, SMBv3, NFSv3, NFSv4
D. SMBv1, SMBv2, NFSv2, NFSv3

Answer: C
Explanation:
The protocols that are supported by Files are SMBv2, SMBv3, NFSv3, and NFSv4. SMB (Server Message Block) is a protocol that allows clients to access files, printers, and other resources on a network. NFS (Network File System) is a protocol that allows clients to access files on a remote server as if they were local. Files supports both SMB and NFS protocols for creating shares and exports that can be accessed by different types of clients.

QUESTION 12
An administrator wants to monitor their Files environment for suspicious activities, such as mass deletions or access denials.
How can the administrator be alerted to such activities?

A. Deploy the Files Analytics VM, and configure anomaly rules.
B. Create a data protection policy in the Files view in Prism Central.
C. Configure Alerts & Events in the Files Console, filtering for Warning severity.
D. Configure Files to use ICAP servers, with monitors for desired activities.

Answer: A
Explanation:
The administrator can monitor their Files environment for suspicious activities, such as mass deletion or access denials, by deploying the File Analytics VM and configuring anomaly rules. File Analytics is a feature that provides insights into the usage and activity of file data stored on Files. File Analytics consists of a File Analytics VM (FAVM) that runs on a Nutanix cluster and communicates with the File Server VMs (FSVMs) that host the file shares. File Analytics can alert the administrator when there is an unusual or suspicious activity on file data, such as mass deletion, encryption, permission change, or access denial. The administrator can configure anomaly rules to define the threshold, time window, and notification settings for each type of anomaly.

QUESTION 13
Which action is required to allow the deletion of file server audit data in Data Lens?

A. Update the data retention period.
B. Configure the audit trail target.
C. Enable the File Server.
D. Disable the File Server.

Answer: D
Explanation:
Delete option is only available for disabled File Server.
https://portal.nutanix.com/page/documents/details?targetId=Data-Lens:dat-datalens-data-delete-t.html

QUESTION 14
An existing Objects bucket was created for backups with these requirements:

- WORM policy of one year
- Versioning policy of one year
- Lifecycle policy of three years

A recent audit has reported a compliance failure. Data that should be retained for three years has been deleted prematurely.
How should the administrator resolve the compliance failure within Objects?

A. Recreate a new bucket with the retention policy of three years.
B. Modify the existing bucket versioning policy from one year to three years.
C. Create a tiering policy to store deleted data on cold storage for three years.
D. Modify the existing bucket WORM policy from one year to three years.

Answer: D
Explanation:
Nutanix provides a 24-hour grace period for letting you test the WORM policy. The bucket creator can undo the applied policy within the allowed grace period of 24 hours. After the grace period, no one can delete the policy or reduce the retention period. The option to extend the retention period is available. You must enable versioning on a WORM bucket so that you can update an object.
https://portal.nutanix.com/page/documents/details?targetId=Objects-v4_3:Objects-v4_3

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