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EMC DES-1D12

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QUESTION NO: 1

A storage administrator is deploying a new Dell Unity XT 880F system. The system will be used over FC by several hosts running production databases. The system will also be used over iSCSI to several hosts running test/dev workloads. The administrator wants to prevent the test/dev hosts from using more than 5000 IOPS.

What Unity XT feature can be used for this configuration?

- A. Thin clones
- B. LUN masking
- C. Host I/O limits
- D. FASTVP

ANSWER: C

Explanation:

Dell Unity XT's Host I/O limits feature allows you to set limits on IOPS for individual hosts connected over iSCSI. This can be used to restrict the test/dev hosts to a maximum of 5000 IOPS.

QUESTION NO: 2

Which Dell EMC Unity feature provides network high availability with active-passive ports when provisioning File storage for a NAS client?

- A. Redundant Interfaces
- B. Preferred Interfaces
- C. Link Aggregation
- D. Fail-safe Networking

ANSWER: D

Explanation:

Document: docu71319_dell-emc-unity-high-availability-a-detailed-review.pdf

Page: 20 FAIL SAFE NETWORKING (FSN) Dell EMC Unity OE version 4.2.1 introduces Fail Safe Networking (FSN). FSN is a high availability feature that extends link failover into the network by providing switch-level redundancy. FSN appears as a single link with a single MAC address and potentially multiple IP addresses. FSN can consist of Ethernet ports, link aggregations, or any combination of the two. FSN adds an extra layer of availability to link aggregations alone as link aggregations provide availability in the event of a port failure while FSN provides availability in the event of a switch failure. Each port or Link aggregation is considered as a single connection and only the primary port or link aggregation in an FSN is active at a time. All ports in an FSN must have the same MTU size, but the speed and duplex settings can vary.

QUESTION NO: 3

When enabling a multi-protocol NAS implementation on a Dell EMC PowerStore array, what is required for an end-to-end mapping of a Windows system?

- A. Group ID (GID)
- B. User ID (UID)
- C. Active Directory (AD)
- D. Security ID (SID)

ANSWER: D

Explanation:

Reference: <https://www.delltechnologies.com/en-us/collaterals/unauth/white-papers/products/storage/h18155dell-emc-powerstore-file-capabilities.pdf>

QUESTION NO: 4

Which are benefits of choosing the highest capacity flash drives when designing a Dell Unity XT All-Flash system?

- A. Enhances data security and system boot time
- B. Lowers physical space power and cooling requirements
- C. Decreases wear-leveling, performance and redundancy requirements
- D. Reduces maintenance and rebuild time

ANSWER: B

Explanation:

Choosing the highest capacity flash drives when designing a Dell Unity XT All-Flash system can provide several benefits, including lower physical space, power and cooling requirements. Additionally, higher capacity drives can also improve system boot time, reduce maintenance and rebuild time, and decrease wear-leveling, performance, and redundancy requirements.

QUESTION NO: 5

A Dell PowerStore administrator has been asked to create a NAS file sharing environment for several clients. The clients will be running either Linux (NFS) or Windows (SMB) and must have access to the same data simultaneously

How can this be achieved using Dell PowerStore?

- A. Configure two NAS servers place all Linux data in one and all Windows data in the other
- B. Configure a snapshot rule and protection policy and apply it to the file system

- C. Configure multiprotocol access to required file system
- D. Configure file data to be replicated for access by different client types

ANSWER: C

Explanation:

Dell PowerStore allows you to create a NAS file sharing environment for several clients by configuring multiprotocol access to the required file system. This means that the same file system can be accessed by both Linux and Windows clients using either the NFS or SMB protocols. This can be achieved by creating a file system, and configuring it to allow access using both the NFS and SMB protocols. Once the file system is set up, you can assign permissions and share the file system with the appropriate clients. This way, the clients will be able to access the same data simultaneously, regardless of whether they are running Linux or Windows and which protocol they are using. It's not necessary to replicate data for access by different client types, it would be an extra step that would consume more resources and would be unnecessary

QUESTION NO: 6 - (DRAG DROP)

Match each Dell EMC Unity feature with its destination.

Select and Place:

| Feature: | Definition: |
|---------------------|--|
| Cascade replication | Moves hosts and attached file systems to a different SP |
| NAS server mobility | One-to-many asynchronous replication for a single file storage resource |
| MetroSync | Asynchronous replication of an already replicated resource to another tier |
| Fan-out replication | Native synchronous replication for the file resources |

ANSWER:

| Feature: | Definition: |
|---------------------|---------------------|
| Cascade replication | NAS server mobility |
| NAS server mobility | Fan-out replication |
| MetroSync | Cascade replication |
| Fan-out replication | MetroSync |

Explanation:

Reference: https://www.delltechnologies.com/resources/en-us/asset/white-papers/products/storage/h15572dell_emc_unity-nas_capabilities.pdf

QUESTION NO: 7

What is a characteristic of tenant traffic on a Dell EMC Unity array?

- A. Separated by the associated VLANs at the Linux Kernel layer
- B. Separated by the associated subnet providing data separation with increasing security at the network layer
- C. Separated by one associated VLAN providing data separation with increasing security at the Linux Kernel layer
- D. Separated by the associated subnet at the Linux Kernel layer

ANSWER: B

QUESTION NO: 8

Which encryption algorithm is used for SMB shares on Dell EMC Unity?

- A. AES-CCM
- B. AES128-GCM
- C. AES-CMAC
- D. HMAC-SHA256

ANSWER: A

Explanation:

Reference: https://www.delltechnologies.com/en-zm/collaterals/unauth/white-papers/products/storage/h15572dell-emc-unity-nas_capabilities.pdf

QUESTION NO: 9

A Dell EMC PowerStore customer wants to schedule snapshots daily at 6 AM. Which snapshot frequency interval (in minutes) is available?

- A. 5
- B. 10
- C. 20

D. 45

ANSWER: A

Explanation:

Reference: <https://www.delltechnologies.com/en-us/collaterals/unauth/white-papers/products/storage/h18156dell-emc-powerstore-snapshots-thin-clones.pdf> (27)

QUESTION NO: 10

What is the minimum recommended amount of Flash capacity in a Dell EMC Unity 480 Hybrid pool?

- A. 5%
- B. 8%
- C. 10%
- D. 15%

ANSWER: A

Explanation:

The minimum recommended Flash capacity is at least 5% of the pool capacity.

Reference: <https://www.dell.com/support/kbdoc/en-pk/000010691/dell-emc-unity-difference-between-fast-cache-and-fast-vp-configurations-user-correctable>