D-UN-DY-23 Q&As

Dell Unity Deploy 2023 Exam

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QUESTION 1

What is the result of enabling Data Reduction on a LUN in a consistency group containing three LUNs?

A. Any writes to the LUN will go through the Data Reduction logic.

B. Data Reduction and Advanced Deduplication will be enabled on all LUNs.

C. Data Reduction will be enabled on all LUNs is the consistency group.

D. All writes to all consistency group LUNs will go through the Data Reduction logic.

Correct Answer: D

Data Reduction is a feature that reduces the amount of physical storage space required to store user data on a LUN. Data Reduction is enabled at the LUN level and applies to all the data in the LUN, including snapshots and thin clones. Data Reduction consists of two components: compression and deduplication. Compression reduces the size of data blocks by removing redundant information, while deduplication eliminates duplicate blocks across the LUN. When Data Reduction is enabled on a LUN, all writes to the LUN will go through the Data Reduction logic before being written to the storage pool. If the LUN is part of a consistency group, Data Reduction will be enabled on all the LUNs in the consistency group, and all writes to any LUN in the group will go through the Data Reduction logic. This ensures that the data in the consistency group is consistent and protected by the same Data Reduction settings. References: Dell EMC Unity: Data Reduction Overview Dell EMC Unity: Data Reduction Configuration and Best Practices

QUESTION 2

Which are two features of the Dell UnityVSA? (Choose two.)

A. NVMe Connectivity

B. iSCSI Connectivity

C. Asynchronous Replication

D. FC Connectivity

E. Dynamic Pools

Correct Answer: BC

The Dell UnityVSA is a software-defined storage solution that runs the Dell Unity operating environment on a VMware ESXi server. The Dell UnityVSA provides the same features and functions as the Dell Unity hardware platform, such as

block and file storage, snapshots, thin clones, data reduction, replication, and encryption. Some of the features of the Dell UnityVSA are:

iSCSI Connectivity: The Dell UnityVSA supports iSCSI connectivity for block storage access. The iSCSI protocol enables hosts to communicate with the DellUnityVSA over an IP network and access LUNs as SCSI devices. The Dell UnityVSA

can support up to 64 iSCSI interfaces and up to 256 iSCSI sessions per interface.

Asynchronous Replication: The Dell UnityVSA supports asynchronous replication for block and file storage.

Asynchronous replication is a feature that copies data from a source storage resource to a destination storage resource over a

network at scheduled intervals. Asynchronous replication can be used for disaster recovery, data migration, or backup purposes. The Dell UnityVSA can support up to 256 replication sessions per system.

References:

Dell EMC Unity: Introduction to the Platform

Dell EMC Unity: Deploying VMware vSphere with Dell EMC UnityVSA Dell EMC Unity: Configuring Hosts to Access Block Storage Dell EMC Unity: Replication Technologies

QUESTION 3

A storage administrator must configure replication from a production Dell Unity XT 680F to an offsite DR Dell Unity XT 480. Block resources must be replicated without data loss if the production site becomes unavailable. File resources can

be replicated with an acceptable amount of data difference on the destination.

What replication configuration meets the requirements?

A. Set Unisphere resource filtering to All.

B. Configure the replication connection mode to Both.

C. Set an RPO of 0 on the synchronous replication sessions.

D. Configure the replication interfaces on the 4-port mezzanine card.

Correct Answer: B

To meet the requirements, the replication connection mode must be set to Both, which allows both synchronous and asynchronous replication sessions to be configured on the same connection. This way, block resources can use synchronous replication, which ensures zero data loss, and file resources can use asynchronous replication, which allows some data difference on the destination. Setting Unisphere resource filtering to All is not necessary, as it only affects the display of resources in the Unisphere GUI. Setting an RPO of 0 on the synchronous replication sessions is redundant, as synchronous replication always has an RPO of 0. Configuring the replication interfaces on the 4-port mezzanine card is not relevant, as it only affects the performance and availability of the replication network. References: [Dell EMC Unity: Replication Technologies], [Dell EMC Unity: Unisphere Overview]

QUESTION 4

What is a benefit of using vVols?

A. They enable the automatic import of capability profiles from vSphere to Unisphere.

B. All VMs on a datastore are snapped simultaneously.

C. Individual VMs on a datastore can be snapped.

D. They enable the assignment of isolated file storage partitions.

Correct Answer: C

A benefit of using vVols is that individual VMs on a datastore can be snapped. vVols are virtual volumes that are stored on a storage array and managed by vSphere. They enable granular control and management of VM storage. With vVols,

each VM has its own set of virtual disks that are mapped to corresponding storage objects on the array. This allows the array to perform snapshot operations on individual VMs without affecting other VMs on the same datastore.

References: [Dell EMC Unity: VMware vSphere Virtual Volumes (vVols) Implementation]

QUESTION 5

What is the maximum time difference allowed between the current system time (UTC) and the NTP server time during the initial configuration of a Dell Unity system?

A. 17 min

B. 7 min

C. 5 min

D. 15 min

Correct Answer: A

If the time difference between the current system (UTC) time and the NTP server time is too large (approximately 17 minutes), the user cannot configure an NTP server during initial configuration. The user will need to adjust the time while in "Set time manually" mode before changing to "Enable NTP synchronization". This is to avoid potential issues with data replication, snapshots, and audit logs that rely on accurate time stamps. References: Dell EMC Unity: How to change System Time from `Set time manually\\' option to NTP2, page 1.