



# D-UN-DY-23<sup>Q&As</sup>

Dell Unity Deploy 2023 Exam

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**QUESTION 1**

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

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**QUESTION 2**

What is the maximum number of drives on a traditional RAID Group?

- A. 64 drives
- B. 16 drives
- C. 8 drives
- D. 32 drives



Correct Answer: B

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### QUESTION 3

Multiple I/O modules must be installed in Dell Unity XT 680 storage.

Which module must be installed in slot 0?

- A. 4-Port 25 Gbps Ethernet
- B. 4-Port 16 Gb Fibre Channel
- C. 4-Port 10 Gbps Ethernet
- D. 12 Gb/s SAS back-end

Correct Answer: D

The Unity XT 680 system supports four types of I/O modules: 12 Gb/s SAS back-end, 4-Port 16 Gb Fibre Channel, 4-Port 25 Gbps Ethernet, and 4-Port 10 Gbps Ethernet. The 12 Gb/s SAS back-end module provides connectivity to the disk drives and expansion enclosures, while the other three types of modules provide network connectivity to the hosts and clients. The Unity XT 680 system has six I/O module slots, three for each SP. The 12 Gb/s SAS back-end module must be installed in slot 0 of each SP, and the other modules can be installed in slots 1 and 2 of each SP. Therefore, the correct answer is D. 12 Gb/s SAS back-end. References: Dell EMC Unity XT: Hardware Information Guide Dell EMC Unity XT: Installation Guide

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### QUESTION 4

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]

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### QUESTION 5

A company needs to expand their dynamic pool by 10 TB. The current dynamic pool consists of 63 7.6 TB SSD drives that are configured for RAID 5 (12+1).

What is the minimum number of drives needed for the pool expansion?

- A. 1
- B. 15
- C. 13
- D. 2

Correct Answer: C

To expand a dynamic pool, the number of drives added must be equal to or greater than the stripe width of the pool. The stripe width is the number of data drives plus the number of parity drives in a RAID group. In this case, the stripe width is  $12 + 1 =$

13. Therefore, the minimum number of drives needed for the pool expansion is

13. References: Dell EMC Unity: Dynamic Pools Technical White Paper1, page 8.

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