



# DES-1D12<sup>Q&As</sup>

Specialist - Technology Architect Midrange Storage Solutions

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**QUESTION 1**

A customer requests a proposal for a new Dell EMC SC Series storage system with the following specifications:

1.

IO type: Random

2.

Existing data: 100 TB

3.

Rate of change: 2 TB per day

4.

Growth rate: 100 GB per day

5.

Snapshot retention: 1 week

What storage capacity should be specified to scope the system with Tier 1 RAID 10 protection?

A. 2.5 TB

B. 4.5 TB

C. 6.5 TB

D. 8.5 TB

Correct Answer: C

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**QUESTION 2**

A customer has a fully scaled-out Dell PowerStore T cluster and wants to ensure that PowerStore Manager is in a highly available configuration How many instances of PowerStore Manager should be installed, and why?

A. Four A customer should install one instance per appliance in the cluster

B. Zero PowerStore Manager runs highly available by default

C. Eight A customer should install one instance per node in the cluster

D. Two PowerStore Manager needs at least two instances for a highly available configuration

Correct Answer: D



A fully scaled-out Dell PowerStore T cluster requires at least two instances of PowerStore Manager to ensure high availability. This is because the PowerStore Manager provides a centralized management and monitoring interface for the cluster, and having multiple instances of it allows for redundancy in case one instance becomes unavailable.

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### QUESTION 3

A customer must protect file storage resources through asynchronous replication to other Dell Unity XT systems in different locations. What is the maximum number of remote systems that can be configured?

- A. 4
- B. 24
- C. 16
- D. 8

Correct Answer: B

This allows the customer to protect their file storage resources through asynchronous replication to other Dell Unity XT systems in different locations, providing a high level of data protection and disaster recovery capabilities. The asynchronous replication feature allows the customer to replicate data between systems in a way that does not affect performance, and it allows them to recover quickly from a disaster or outage.

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### QUESTION 4

A company has a Dell Unity XT 880 at its Boston site providing file storage for a business production application. The company has a second remote site 8 km (5 mi) away in Cambridge. A third site is in New York (342 km (213 mi) from the Boston site).

How can the same production data be protected against system outage with a zero RPO and a maximum of 15 minutes RPO data recovery?

- A. Synchronous replicate from Boston to Cambridge Asynchronous replicate from Boston to New York
- B. Synchronous replicate from Boston to Cambridge Synchronous replicate from Boston to New York
- C. Asynchronous replicate from Boston to Cambridge Asynchronous replicate from Cambridge to New York
- D. Synchronous replicate from Boston to Cambridge Synchronous replicate from Cambridge to New York

Correct Answer: B

Synchronous replication will provide a zero RPO as all data is written to both the primary and secondary storage at the same time, which means any data written to the primary storage will be instantly available on the secondary storage. This configuration will ensure that the data is protected against system outage, and in case of any failure, the recovery time will be a maximum of 15 minutes as the data is already replicated to the secondary site.

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### QUESTION 5

To which bus is the Dell EMC Unity 880F DPE connected?



A. 0

B. 49

C. 89

D. 99

Correct Answer: D

The DPE on 480/F, 680/F, and 880/F systems is internally connected to Bus 99 which is a separate bus than the first SAS expansion port that is connected to Bus 0. Therefore, the DPE is recognized by the system as Bus 99 Enclosure 0 while the first DAE connected to the first SAS expansion port would be Bus 0 Enclosure 0. This is different than X00/F, X50F, and 380/F systems. Furthermore, this means that the twenty-five drives in front of the DPE for 480/F, 680/F, and 880/F systems are internally recognized as Bus 99 Enclosure 0 Drive 0 -Bus 99 Enclosure 0 Drive 24. In Unisphere, the drives are seen DPE Drive 0 -DPE Drive 24

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