

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

Specialist - Technology Architect Midrange Storage Solutions

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### QUESTION 1

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

Correct Answer: B

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.

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### QUESTION 2

A customer has two Dell S4148FON switches which are not connected to each other The customer wants to use SMB to present NAS data directly from the array to their users The solution must have resilience in case a switch outage occurs

Which solution should the technical architect recommend?

- A. Dell PowerStore100X
- B. Dell PowerVault ME4
- C. Dell PowerStore 1000T
- D. Dell Unity XT 480

Correct Answer: B

The Dell PowerVault ME4 is a storage area network (SAN) solution specifically designed for SMB environments. It provides high availability through active-active controllers and automatic failover, which ensures that data remains accessible in the event of a switch outage. By connecting the two S4148FON switches to the Dell PowerVault ME4, the customer will be able to present NAS data directly from the array to their users, and also have resilience in case of switch outage.

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### QUESTION 3

A database volume on a Dell PowerStore cluster has a Protection Policy that is applied with a single snapshot rule The policy takes a snapshot every hour and retains them for 48 hours The storage administrator must present a copy of the database volume to a test environment

Which action does the storage administrator take to meet this requirement?

- A. Restore the snapshot to a new test volume
- B. Create a thin clone of the database volume and map it to the test host
- C. Create a new snapshot policy for the test volume
- D. Create a snapshot of the database volume and map it to the test host

Correct Answer: B

A thin clone is a writeable copy of a volume, which shares the same data blocks as the parent volume. This allows the administrator to provide a copy of the production database volume to the test environment without affecting the production data. It also allows to test the data without affecting the production data, and also it doesn't require additional storage space.

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#### QUESTION 4

A customer has a Dell Unity XT 380F system with a single pool that is built from 24x 800 GB and 24x 1.6 TB SAS RASH 3 drives and 14x 400 SAS Flash 2 drives. How many drive partnership groups were used to build the dynamic pool?

- A. 3
- B. 1
- C. 2
- D. 4

Correct Answer: B

In Dell Unity XT storage systems, a dynamic pool is built using drive partnership groups. A drive partnership group is a group of drives that are combined to create a pool. A drive partnership group can be made up of SAS, NL-SAS, or Flash drives. In this case, the customer has a single pool built from 24x 800 GB SAS RASH 3 drives and 24x 1.6 TB SAS RASH 3 drives, and 14x 400 SAS Flash 2 drives. All drives are SAS type, and it's only one partnership group.

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#### QUESTION 5

What provides data analytics for Dell EMC Midrange storage?

- A. eLab Advisor
- B. Unisphere Central
- C. DSM
- D. CloudIQ

Correct Answer: D

Reference: <https://advance.biz-tech-insights.com/whitepaper/h15387-cloudiq-top-reasons.pdf>

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