

# EMC

## Exam Questions DES-1D12

Specialist - Technology Architect Midrange Storage Solutions Exam



#### NEW QUESTION 1

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

- IO type: Random
- Existing data: 100 TB
- Rate of change: 2 TB per day
- Growth rate: 100 GB per day
- 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

**Answer:** C

#### NEW QUESTION 2

Which features were introduced in SCOS 7.3?

- A. Distributed Sparing and Live Volume ALUA
- B. Data-in-Place upgrade for SC4020 and 4K HDD support
- C. Unisphere for SC and Live Volume Auto-failover
- D. CloudIQ support and Cross Platform Replication

**Answer:** A

#### Explanation:

[https://dl.dell.com/topicspdf/sc-7-3\\_rn\\_en-us.pdf](https://dl.dell.com/topicspdf/sc-7-3_rn_en-us.pdf)

#### NEW QUESTION 3

What is a key feature of the Dell EMC Future-Proof Storage Loyalty Program for Dell EMC SC Series arrays?

- A. 4:1 Performance Guarantee
- B. 4 Year Satisfaction Guarantee
- C. 4:1 Reduction Guarantee
- D. 4:1 Efficiency Guarantee

**Answer:** D

#### Explanation:

Dell EMC Flash Storage Efficiency Guarantee Dell EMC promises our flash arrays will provide a logical usable capacity at least four times the usable physical capacity of your purchased drives—or we'll give you more drives at no charge. <https://www.delltechnologies.com/en-us/blog/dell-emc-flash-storage-efficiency/>

#### NEW QUESTION 4

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

#### NEW QUESTION 5

What are characteristics of D@RE on a Dell EMC Unity array?

- A. Impacts array only during implementation Has minimal impact on performance
- B. Does not impact array during implementation Has some impact on performance for a moment
- C. Impacts array for a moment after implementation Has no impact on performance
- D. Does not impact array during implementation Has minimal impact on performance

**Answer:** D

#### Explanation:

controller-based D@RE has minimal performance impact for typical mixed workloads, and no impact to other Dell EMC Unity data services due to the level at which the encryption is performed, which is after all data services have been applied.

<https://www.delltechnologies.com/en-us/collaterals/unauth/white-papers/products/storage/h15090-dell-emc-unit>

#### NEW QUESTION 6

Match each Dell EMC Unity feature with its destination.

**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

**Solution:**

**Feature:**

**Definition:**

Cascade replication	NAS server mobility
NAS server mobility	Fan-out replication
MetroSync	Cascade replication
Fan-out replication	MetroSync

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 7**

Which file resources are supported with Dell EMC Unity asynchronous replication?

- A. File systems and LUNs
- B. LUNs and VMFS datastores
- C. NAS servers and NFS datastores
- D. Consistency Groups and file systems

**Answer: C**

**NEW QUESTION 8**

You are designing a Dell EMC Unity solution. You need to predict its expected performance based on workload, number o and type of drives, and RAID protection. Which design path on the Midrange Sizer should you take?

- A. System Designer path
- B. Application Oriented path
- C. Quick Configuration path
- D. Performance Data Input path

**Answer: A**

**NEW QUESTION 9**

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: A**

**NEW QUESTION 10**

You are upgrading a Dell EMC Unity array to a Dell EMC PowerStore 1000 T array. The customer asks what they need to do so they can map PowerStore snapshots from the new PowerStore array to a host. What should be your response?

- A. Create a volume group of the snapshot.
- B. Create a read/write snapshot of the snapshot
- C. Create a copy of the snapshot
- D. Create a thin clone of the snapshot

**Answer:** D

**Explanation:**

"Volume and Volume Group Snapshots: Snapshots cannot be mapped to a host. To view the contents of a snapshot, you must first clone the snapshot then map the clone to a host."

**NEW QUESTION 11**

How many hierarchical snapshots are supported by Dell EMC Unity?

- A. 32 levels deep for LUNs16 levels deep for file systems
- B. 16 levels deep for LUNs8 levels deep for file systems
- C. 16 levels deep for LUNs16 levels deep for file systems
- D. 10 levels deep for LUNs10 levels deep for file systems

**Answer:** D

**Explanation:**

[https://elabnavigator.emc.com/vault/pdf/EMC\\_Unity\\_ESSM.pdf](https://elabnavigator.emc.com/vault/pdf/EMC_Unity_ESSM.pdf) (pag.22)

**NEW QUESTION 12**

What storage resources are affected with a refresh option on a Dell EMC PowerStore array?

- A. Thin clones and volumes only
- B. Snapshots, thin clones, and volumes
- C. Thin clones, volumes, and replicas
- D. Thin clones and snapshots only

**Answer:** A

**NEW QUESTION 13**

Which Dell EMC SC Series array allows for back-end expansion cards?

- A. SCv3000
- B. SC7020
- C. SC5020
- D. SCv3020

**Answer:** B

**Explanation:**

<https://www.dell.com/support/manuals/en-us/storage-sc7020/sc7020-om/sc7020-series-storage-system-back-pan> Here we clearly have Each storage controller contains:[...] Expansion slots for I/O cards: Slots for optional front-end connectivity – Fibre Channel and iSCSI I/O cards Slots for optional back-end connectivity – SAS I/O cards [...] SCv3000, SCv3000 and SC5020 owner manual say: One expansion slot for a front-end I/O card:  
<https://www.delltechnologies.com/de-at/collaterals/unauth/technical-guides-support-information/services/h1735>

**NEW QUESTION 14**

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