

## DES-1D11<sup>Q&As</sup>

Specialist, Technology Architect | Midrange Storage Solutions

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**QUESTION 1**

A customer needs to test applications with real workloads and all data services associated with the production LUNs. Which Dell EMC Unity advanced storage feature provides this capability without interfering with the production storage resources?

- A. Thin Clones
- B. Consistency Groups
- C. Local Replication
- D. SnapView

Correct Answer: A

Explanation: Thin clones allow development and test personnel to work with real workloads and use all data services associated with production storage resources without interfering with production. Reference:

<https://www.dell.com/en-hk/documentation/unity-family/unity-p-config-luns/03-configuring-block-thin-clones.htm>

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**QUESTION 2**

Which benefit is available with cross-platform replication between Dell EMC SC Series and PS Series?

- A. Compression of replicated data
- B. Active Snapshot Replication
- C. Multiple recovery points
- D. Live Volume Replication

Correct Answer: D

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**QUESTION 3**

What are the Dell EMC midrange storage offerings for capacity efficiency?

- A. Unity: Compression and Post-Process Deduplication SC Series: Inline Compression
- B. Unity: Intelligent Compression and Deduplication SC Series: Inline Compression and Deduplication
- C. Unity: Post-Process Compression and Deduplication SC Series: Inline Compression and Deduplication
- D. Unity: Compression for Block SC Series: Intelligent Compression and Deduplication

Correct Answer: C

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**QUESTION 4**

Which Dell EMC Unity feature provides improved system performance by identifying a chunk of Block data that is accessed frequently?

- A. Quality of Service
- B. Data Progression
- C. FAST Cache
- D. FastTrack

Correct Answer: C

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**QUESTION 5**

A customer requires a minimum of 6 PB of raw capacity and six back-end SAS connections. Which Dell EMC Unity model meets these requirements?

- A. Unity 350F
- B. Unity 400
- C. Unity 450F
- D. Unity 500

Correct Answer: D

Reference: <https://www.emc.com/collateral/data-sheet/h14957-unity-all-flash-family-ss.pdf>

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**QUESTION 6**

A DPACK report shows that a customer needs a design to handle 21,000 IOPS from all servers with a read/write percentage of 70/30. What will be the target back-end IOPS for a Dell EMC SC Series array design?

- A. 21,000 IOPS
- B. 25,200 IOPS
- C. 27,300 IOPS
- D. 35,700 IOPS

Correct Answer: C

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**QUESTION 7**

You are designing a solution for a customer who is sensitive to capacity needs. In addition, the environment consists of large read request I/O characteristics. Which Dell EMC midrange storage solution will meet the customer's

requirements?

- A. Unity Hybrid: Parity RAID, FAST VP, and Flash 2 drives on Tier 1 SC Series: Data Progression and read-intensive SSDs on Tier 1
- B. Unity Hybrid: Striping RAID, All-Flash Pool, and FAST Cache SC Series: FastTrack and read-intensive SSDs on Tier 1
- C. Unity Hybrid: Parity RAID, All-Flash Pool, and FAST Cache SC Series: FastTrack and read-intensive SSDs on Tier 1
- D. Unity Hybrid: Striping RAID, Dedicated Pool, and Flash 2 drives on Tier 1 SC Series: Data Progression and write-intensive SSDs on Tier 1

Correct Answer: B

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### QUESTION 8

What is the main advantage of sizing a Dell EMC SC Series array focusing on IOPS when using the 95th percentile instead of peak values?

- A. Provides a properly sized and accurately priced solution
- B. Reduces complexity in preparing a properly sized solution
- C. Provides a secure solution with data efficiency
- D. Demonstrates a clear relationship between customer needs and offerings

Correct Answer: A

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### QUESTION 9

You are designing a Dell EMC Unity solution for a customer who wants to accommodate multiple database instances on block storage. In addition, they want to protect the data with snapshots and AppSync using a Consistency Group.

What is the maximum number of LUNs that can be associated with the Consistency Group?

- A. 10
- B. 40
- C. 35
- D. 50

Correct Answer: D

Explanation: An addressable instance of LUN storage that can contain one or more LUNs (up to 50) and is associated with one or more attached hosts. Reference: <https://www.emc.com/collateral/TechnicalDocument/docu88302.pdf>

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**QUESTION 10**

What is a benefit of using single-tier Flash with Dell EMC SC Series?

- A. Support for write-intensive and read-intensive SSDs in the same tier
- B. RAID 5/RAID 6 is converted to RAID 10 for increased efficiency
- C. Snapshot data is sent to RAID 10 write-intensive SSDs to optimize capacity
- D. Writes are sent to RAID 10 write-intensive SSDs for better performance

Correct Answer: A

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**QUESTION 11**

A customer has an OLTP application running on a host accessing Dell EMC Unity Block storage. The application performance is experiencing CPU bottlenecks caused by iSCSI workloads. As a result, you are recommending the addition of an expansion module with an iSCSI Offload engine to the Unity system.

Which Unity expansion module is recommended?

- A. 2-port 10 GB/s iSCSI module with SFP
- B. 4-port 1 GB/s GbaseT module RJ45
- C. 4-port 10 GB/s iSCSI module with SFP
- D. 4-port 10 GB/s GbaseT module RJ45

Correct Answer: B

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**QUESTION 12**

In a Dell EMC Unity environment, how many Disk Partnership Groups will be created using all the disks shown in the exhibit?



- A. 1

B. 2

C. 3

D. 5

Correct Answer: B

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### QUESTION 13

Which value should be used for back-end sizing when planning a Dell EMC SC Series solution?

A. 1x front-end throughput

B. 2x front-end throughput

C. 3x front-end throughput

D. 4x front-end throughput

Correct Answer: B

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### QUESTION 14

Which Dell EMC tool uses an HTML5 interface and best practices to predict storage performance?

A. Unity Sizer

B. Unity Designer

C. MiTrend

D. Analyzer Helper

Correct Answer: D

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### QUESTION 15

A Dell EMC SC7020 contains the following drives: Tier 1: Write-intensive SSDs Tier 2: 10K HDDs Tier 3: 7K HDDs

Which tiers will qualify for deduplication and compression?

A. Tier 1 and Tier 2 only

B. Tier 1 and Tier 3 only

C. Tier 1, Tier 2, and Tier 3

D. Tier 2 and Tier 3 only

Correct Answer: B

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