



E20-526^{Q&As}

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QUESTION 1

Which operation is performed when an XtremIO Snapshot is created?

- A. Pointers to the ancestor metadata are created for the snapshot
- B. Space equal to the size of the ancestor is allocated to the snapshot
- C. A reserved space is created for new snapshot data
- D. A deduplication pass is immediately run against the snapshot

Correct Answer: A

When a snap is created, the following steps occur: 1) Two empty containers are created in-memory 2) Snapshot SCSI personality is pointing to the new snapshot sub-node 3) The SCSI personality which the host is using, is linked to the second node in the internal data tree

References: EMC RECOVERPOINT REPLICATION OF XTREMIO, Understanding the essentials of RecoverPoint Snap-based replication for XtremIO, page 8 <https://www.emc.com/collateral/white-papers/h14296-wp-recoverpoint-replication-of-xtremio.pdf>

QUESTION 2

A customer has a group of applications that need storage which can provide low response times. The total I/O requirements are 75,000 IOPs with a 4 kB block size. They will have 500 LUNs and need to keep 30 daily snapshots of each LUN.

What is the smallest XtremIO configuration that will meet their needs?

- A. 1 cluster with 2 X-Bricks
- B. 1 cluster with 4 X-Bricks
- C. 2 clusters with 1 X-Brick each
- D. 2 clusters with 2 X-Bricks each

Correct Answer: A

QUESTION 3

Who developed the framework for testing All-Flash arrays that is used in the XtremIO PoC?

- A. EMC
- B. Seagate
- C. Micron
- D. IDC



Correct Answer: D

IDC outlines a criteria some criteria for selecting a testing tool:

*

Generate workloads

*

Capture results for analysis: Throughput IOPS Latency

Etc.

References: http://info.xtremio.com/rs/xtremio/images/IDC_Flash_Array_Test_Guide.pdf

QUESTION 4

A storage administrator is adding both an XtremIO and third-party storage arrays to their existing infrastructure. The administrator is using ViPR SRM to monitor the environment.

Which requirement is needed to implement this solution?

- A. A single third-party Solution Pack is required to manage both storage arrays
- B. Each storage needs its own Solution Pack
- C. Each storage array requires two Solution Packs; one for monitoring and one for performance
- D. A single XtremIO Solution Pack is required to manage both storage arrays

Correct Answer: B

References: https://www.emc.com/techpubs/vipr/understanding_solutionpacks-3.htm

QUESTION 5

A customer is considering XtremIO storage for their current Virtual Desktop Infrastructure (VDI) deployment. The customer wants information on the benefits of an XtremIO solution.

What are the benefits of an XtremIO solution for this environment?

- A. Latency is less than 1 ms for all large I/O sizes, deduplication with compression, and scales linearly
- B. Latency is less than 1 ms for large I/O sizes, deduplication and compression, and no reduction in power and cooling costs
- C. Latency is less than 1 ms for small I/O sizes, scales linearly, and slightly higher cost/IOP/GB than hybrid arrays
- D. Latency is less than 1 ms for small I/O sizes, deduplication and compression, and scales linearly

Correct Answer: A



Storage capacity and performance scale linearly, such that two X-Bricks supply twice the IOPS, four X-Bricks supply four times the IOPS, six X-Bricks supply six times the IOPS and eight X-Bricks supply eight times the IOPS of the single X-Brick configuration. However, the latency remains consistently low (less than 1ms) as the system scales out. The sub-millisecond latency is validated by actual test results, and is determined according to the worst-case scenario.

References: Introduction to the EMC XtremIO STORAGE ARRAY (April 2015), page 37

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