E20-526 Q&As

XtremIO Solutions and Design Specialist Exam for Technology Architects

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QUESTION 1

An administrator receives an error on an XtremIO array while performing snapshot refreshes to a production volume. What is a potential cause for this issue?

A. Refresh of the production volume is not supported

B. Volume was not unmapped on the XtremIO cluster

C. Only snapshot-to-snapshot refresh is supported

D. Volume was not unmounted on the host

Correct Answer: D

The workflow for refreshing XtremIO Snapshots, containing Oracle Database files, consists of the following five simple steps:

1.

Shut down the database instances with files in the target Snapshot Set.

2.

Dismount the ASM disk group (or file systems) involved.

3.

Refresh the Snapshot via XtremIO GUI (or CLI or RESTful API).

4.

Mount the ASM disk groups (or file system) involved.

5.

Start the database instances.

This entire workflow is measured in seconds (not minutes).

Incorrect Answers:

A: The refresh command is a powerful tool for test and development environments and for the offline processing use case. With a single command, a snapshot of the production volume or CG is taken and the SCSI face of the volume, which was mapped to the test and development application, is moved to it. This allows the test and development application to work on current data without the need to copy data or to rescan.

References: https://www.emc.com/collateral/white-papers/h14485-xtremio-snapshot-refresh-oracledatabases.pdf, page 8

QUESTION 2

An XtremIO administrator is having a problem with performance and is troubleshooting the issue. What is an accurate

statement about I/O transfers?

A. As I/O size increases, IOPs increase, and latency increases

B. As I/O size increases, IOPs decrease, and bandwidth increases

C. As I/O size decreases, IOPs increase, and bandwidth increases

D. As I/O size decreases, IOPs decrease, and latency increases

Correct Answer: A

Large block I/O by nature incurs higher latency.

References: Introduction to the EMC XtremIO STORAGE ARRAY (April 2015), page 6

QUESTION 3

Where is the XtremIO VSS hardware provider package installed?

A. On all X-Bricks in the cluster

B. On the XMS

C. Factory-installed on the array

D. On the backup server

Correct Answer: D

In order to use the XtremIO VSS provider it must be installed on the server where we want to do an application consistent snapshot.

References: http://muegge.com/blog/tag/xtremio/

QUESTION 4

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

QUESTION 5

When using a 10 TB single X-Brick, what is the minimum amount of data that should be written during the Fill phase of the PoC Toolkit?

A. 10 TB

B. 15 TB

C. 20 TB D. 30 TB

Correct Answer: C

Per IDC\\'s best practices the toolkit fills the array 2x.

References: https://community.emc.com/docs/DOC-35014