E20-526Q&As

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QUESTION 1

A customer has decided to use VMware Horizon View as their desktop virtualization technology. Their VDI environment will consist of XtremIO storage and ESXi hosts. They are looking for increased speed and low latencies while performing file copy operations.

What should the setting for VAAI XCOPY I/O size be set to in order to achieve this requirement?

A. 8 kB

B. 63 kB

C. 256 kB

D. 4 MB

Correct Answer: C

The VAAI XCOPY I/O size of 256 kB gives the best performance. 4 MB is the default value.

References: https://www.emc.com/collateral/white-papers/h14279-wp-vmware-horizon-xtremio-designconsiderations.pdf, page 57

QUESTION 2

A storage administrator wants to re-use some of their XtremIO thin provisioned disks attached to a Microsoft Windows 2012 host. However, the administrator notices that "Quick Format" of the drives is taking a long time to complete. This has an impact on the overall performance.

What should be recommended to minimize the performance impact?

A. Disable the I/O elevator feature on the Windows host while formatting

B. Temporarily disable the UNMAP feature on the Windows host during formatting

C. Adjust the execution throttle value on the Windows host

D. Change the disk format to thick provisioned

Correct Answer: B

It is related to TRIM/UNMAP, which is enabled per default in Server 2012(R2).

References: https://serverfault.com/questions/679211/quick-format-of-lun-in-server-2012r2-hosted-on-athin-provisioned-san-vol-take

QUESTION 3

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.

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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 4

A customer currently uses XtremIO native remote replication with four RPAs and a 1 GB WAN link to asynchronously protect all production data. Management has decided that all data stored on the XtremIO must now be protected at the disaster recovery site by synchronous replication.

How can this be achieved?

A. Set the Link Policy to Synchronous, Dynamic by throughput

B. Purchase four additional RPAs.

C. Set the Link Policy to Synchronous, Dynamic by latency

D. Use a VPLEX splitter

Correct Answer: D

XtremIO with VPLEX provides for both synchronous and asynchronous replication.

Note: The engine of RecoverPoint is the RecoverPoint Appliance (RPA).

Incorrect Answers:

A, B, C: XtremIO with Physical RPA - No Synchronous option available, only asynchronous replication as

this uses snapshot shipping.

References: Introduction to the EMC XtremIO STORAGE ARRAY (April 2015), page 55

QUESTION 5

A Linux administrator is attaching a new RHEL server to their XtremIO storage array. Which configuration setting should

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be changed?

A. Enable Logical Volume Manager

B. Modify the file system block size

C. Disable HBA Queue Depth

D. Disable I/O elevators

Correct Answer: B

The block size for both Oracle Cluster Registry (OCR) and Cluster Synchronization Services (CSS) voting files are 512 bytes. I/O operations to these file objects are therefore sized as a multiple of 512 bytes. This is of no consequence since the best practice with XtremIO is to create volumes with 512e formatting.

References: https://www.emc.com/collateral/white-papers/h13497-oracle-best-practices-xtremio-wp.pdf , page 22

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