

E20-526^{Q&As}

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QUESTION 1

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-a-thin-provisioned-san-vol-take>

QUESTION 2

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 3

A customer's storage administration team wants to receive e-mail notifications when the XtremIO cluster detects an issue of major severity. The customer has successfully configured and tested the e-mail server in the XtremIO GUI. However, the e-mail server is not receiving the expected notifications when major severity issues appear.

What is the cause of this issue?

- A. Alert definitions have not been defined
- B. Event handlers have not been defined
- C. Public reports have not been defined
- D. Private reports have not been defined

Correct Answer: A

QUESTION 4

A customer has an existing Oracle environment they are considering moving over to XtremIO from VMAX for improved performance. The customer wants to know the expected deduplication and compression savings they can achieve with XtremIO.

Which tool is appropriate for conducting this assessment?

- A. EMC Backup Tool
- B. EMC Storage Tool
- C. XtremIO Sizing Tool
- D. EMC MiTrend Tool

Correct Answer: D

MiTrend has been available for EMC Employees and Partners for years, but it's a valuable tool that Customers can take advantage of also. And the price is awesome. It's FREE !

Use it for VNX, Clariion, VMAX, and many more.

References: <http://www.pragmaticio.com/2014/11/mitrend-self-service-performance-analysis-for-emc-vnx/>

QUESTION 5

Which multipathing software is supported by XtremIO?

- A. PowerPath/VE and NMP on ESXi hosts
- B. MPIO on non-clustered Microsoft Windows hosts only
- C. PowerPath/VE on Microsoft Windows VMs hosted by ESXi

D. Native MPIO on IBM AIX clusters

Correct Answer: A

Noting the inefficiencies in VMware's NMP driver, EMC developed a set of drivers specifically designed to overcome these limitations and improve the performance and reliability of the data passing between an array and a server. EMC developed the PowerPath family of products optimized specifically for Linux, Microsoft Windows, and UNIX Operating Systems as well as PowerPath/VE for VMware vSphere and Microsoft Hyper-V hypervisors.

PowerPath is installed on hosts to provide path failover, load balancing and performance optimization VPLEX engines (or directly to the XtremIO array if VPLEX is not used).

Note: VMware, with the cooperation of its storage partners, developed a Native Multipathing Plug-in (NMP). VMware NMP was designed to distribute the load over all the available paths and provide failover protection in the case of path, port or HBA failure, but it has not been fully optimized to work with the controllers in a storage systems. VMware's NMP Round Robin policy does not have the intelligence that PowerPath has as PowerPath uses testing and diagnostics to continually monitor an environment to determine the optimal path for queuing requests and will adapt to current conditions.

References: <https://www.emc.com/collateral/analyst-reports/emc-taneja-group-powerpath-tb.pdf>

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