

Practice Exam Questions

DELLTechnologies



Specialist - Technology Architect XtremIO Solutions and Design



EXAMKILLER

Help Pass Your Exam At First Try

Total Question: 67 QAs

Question No: 1

When using the XtremIO PoC Toolkit, what is the purpose of the Age phase?

- A. Continuously write to a specific range of logical block addresses to test Flash durability
- B. Overwrite each LUN multiple times to ensure they contain all unique data
- C. Test the performance of the All-Flash array with non-production static data
- D. Scatter writes across the entire array to simulate ordinary use of the system

Answer: D

Question No: 2

A user attempts to create a quorum disk for a host cluster. Volume parameters are:
However, the volume creation fails. What caused the process to fail?

- A. Quorum disks cannot have an 8kB block size
- B. Volume size is too small
- C. Volume name is invalid
- D. XtremIO volumes cannot be quorum disks

Answer: B

Question No: 3

You have been asked to design an XtremIO storage array solution that will be used for two large applications workloads. One workload will generate approximately 150,000 write IOPs with an average 4 kB I/O size. The second write workload will have an average I/O size of 128 kB and will generate approximately 2 GB/s of throughput.

At a minimum, how many X-Bricks are needed in a single cluster to meet this requirement?

- A. 2
- B. 4
- C. 6
- D. 8

Answer: A

Question No: 4

How can REST API commands be run to manage and monitor an XtremIO cluster?

- A. From the REST API CLI built into each X-Brick
- B. From the REST API GUI built into each X-Brick
- C. From a third-party GUI
- D. From the REST API tab in the XMS GUI

Answer: C

Question No: 5

How should a storage administrator navigate to different XtremIO clusters from the XMS GUI if the administrator has more than one cluster managed by the same XMS?

- A. Click the Cluster Name on the Menu bar near the top of the screen

- B. Click the Inventory List button on the Menu bar
- C. Click the Administration tab and locate the Cluster Name
- D. Click the Cluster Name on the Status bar at the bottom of the screen

Answer: B

Question No: 6

A customer has a large ESX server environment they are considering deploying to XtremIO for a VDI implementation. To determine a baseline of the environment, you are proceeding with documenting each server's CPU, NIC, and disk utilization statistics. The customer has provided you with direct CU access to the servers to conduct this assessment.

Which utility should be used to monitor these performance parameters?

- A. esxtop
- B. resxtop
- C. top
- D. iostat

Answer: B

Question No: 7

A customer has recently purchased an XtremIO 10 TB single X-Brick cluster for an implementation of Oracle RAC. The customer wants your help with integrating Oracle with their new XtremIO cluster.

The customer has three DATA disk groups, two REDO disk groups, and four FRA disk groups.

How many XtremIO LUNs should be assigned to the FRA disk groups?

- A. 2
- B. 4
- C. 6
- D. 8

Answer: D

Question No: 8

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

Answer: A

Question No: 9

Based on best practice, what is the maximum number of paths a host should have to an XtremIO volume?

- A. 4
- B. 8
- C. 16
- D. 32

Answer: C

Question No: 10

A new 500 GB VM disk is created on a database that resides on an XtremIO LUN. The VMware administrator plans to provision the disk using the thick provisioned eager zeroed format. How much physical XtremIO capacity will be allocated during this process?

- A. 5 GB
- B. 10 GB
- C. 50 GB
- D. None

Answer: D

Question No: 11

A customer wants to purchase an XtremIO array. After the array is installed, the customer wants to initially disable encryption. What is the result of enabling encryption on an array that is already being used?

- A. Data will remain in place but the XtremIO cluster services will need to be temporarily shutdown.
- B. Data will remain in place and there will be no interruption to the XtremIO cluster services.
- C. Data will be erased but there will be no interruption to the XtremIO cluster services.
- D. Data will be erased and the XtremIO cluster services will be temporarily shutdown.

Answer: A

Question No: 12

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

Answer: A

Question No: 13

You are designing an XtremIO solution for a potential customer. If the server and storage information is available, which information should be documented regarding the customer's capacity expectations?

- A. Capacity requirements on a per data center basisExpandability/scalabilityPerformance requirements determined on a server-to-server basis
- B. Capacity requirements on a per volume basisExpandability/scalabilityPerformance requirements determined on a server-to-server basis
- C. Capacity requirements on a per volume basisCompression rates/scalabilityPerformance requirements determined on a server-to-server basis
- D. Capacity requirements on a per data center basisExpandability/scalabilityPerformance requirements determined holistically

Answer: B

Question No: 14

A customer has purchased a two X-Brick XtremIO array with a physical XtremIO Management Server (XMS). The customer plans to use all Fibre Channel connectivity in the environment.

What are the physical connectivity requirements for the cluster?

- A. 1 Copper Ethernet connection, 4 Fibre Channel Optical connections
- B. 3 Copper Ethernet connections, 8 Fibre Channel Optical connections
- C. 4 Copper Ethernet connections, 16 Fibre Channel Optical connections
- D. 5 Copper Ethernet connections, 8 Fibre Channel Optical connections

Answer: B

Question No: 15

A storage administrator is configuring SAN switches and zoning to connect an eight X-Brick XtremIO array. A VMware ESXi server is hosted on a blade chassis with 16 HBA ports. In addition, the SAN is composed of two separate SAN switches.

What is the recommended XtremIO best practice for zoning?

- A. Two HBA connections per host connected to a single switch
Multiple initiators/multiple targets per zone
Maximum of 4 paths for each LUN per zone
- B. Connect a single storage controller to the first switch
Connect a second storage controller to the second switch
Single initiator/multiple targets per zone
Maximum of 6 paths for each LUN per zone
- C. Connect all N1 storage controllers to the first switch
Connect N2 storage controllers to the second switch
Multipath all host ports to single LUNs per zone
Maximum of 4 paths for each LUN per zone
- D. Multiple HBA connections per host
Single initiator/single target per zone
Maximum of 2 paths to each X-Brick for each initiator
Each host connected to each SAN switch

Answer: B

Question No: 16

Based on XtremIO Data Protection, how many dedicated hot spare disks per X-Brick are required?

- A. 0
- B. 1
- C. 2
- D. 3

Answer: A

Question No: 17

When using XtremIO storage with Solaris (SPARC), what is the EMC recommended I/O size that will deliver sequential I/O more efficiently to XtremIO?

- A. 1 MB
- B. 2 MB
- C. 4 MB
- D. 8 MB

Answer: C

Question No: 18

Which level of granularity does XtremIO deduplication run?

- A. Variable 8 kB
- B. Variable 32 kB
- C. Fixed 8 kB