



E20-526^{Q&As}

XtremIO Solutions and Design Specialist Exam for Technology Architects

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QUESTION 1

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

Correct Answer: B

EMC XTREMIO 4.0 SYSTEM SPECIFICATIONS

Host Connectivity (Based on number of X-Bricks in the array)	Starter X-Brick	1 X-Brick	2 X-Brick Cluster	4 X-Brick Cluster	6 X-Brick Cluster	8 X-Brick Cluster
Fibre Channel Ports (8Gbps)	4	4	8	16	24	32
iSCSI Ethernet Ports (10Gbps)	4	4	8	16	24	32

Management	Starter X-Brick	1 X-Brick	2 X-Brick Cluster	4 X-Brick Cluster	6 X-Brick Cluster	8 X-Brick Cluster
Ethernet Ports (1Gbps)	2	2	4	8	12	16

References: <http://www.aecf.com/AECWeb/media/Assets/PDF/h12451-xtremio-4-system-specificationsss.pdf>

QUESTION 2

You need to design a VDI solution for a customer. Which best practices should be used for VDI environments?

- A. Align data on 4 kB boundaries. Put persona and user data on XtremIO LUNs
- B. Align data on 4 kB boundaries. Allocate multiple XtremIO LUNs to each host
- C. Align data on 8 kB boundaries. Put the master VM image on an XtremIO LUN
- D. Align data on 8 kB boundaries. Put all VDI-related data on one large LUN

Correct Answer: C

QUESTION 3

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

Correct Answer: C

The XtremIO's RESTful API allows HTTPS-based interface for automation, orchestration, query and provisioning of the system. With the API, third party applications can be used to control and fully administer the array.

Normally you would access the API using some form of programming/scripting language, such as Python or Perl. However for the purposes of learning or testing concepts there are a number of tools that work better, such as HTTPRequester and curl.

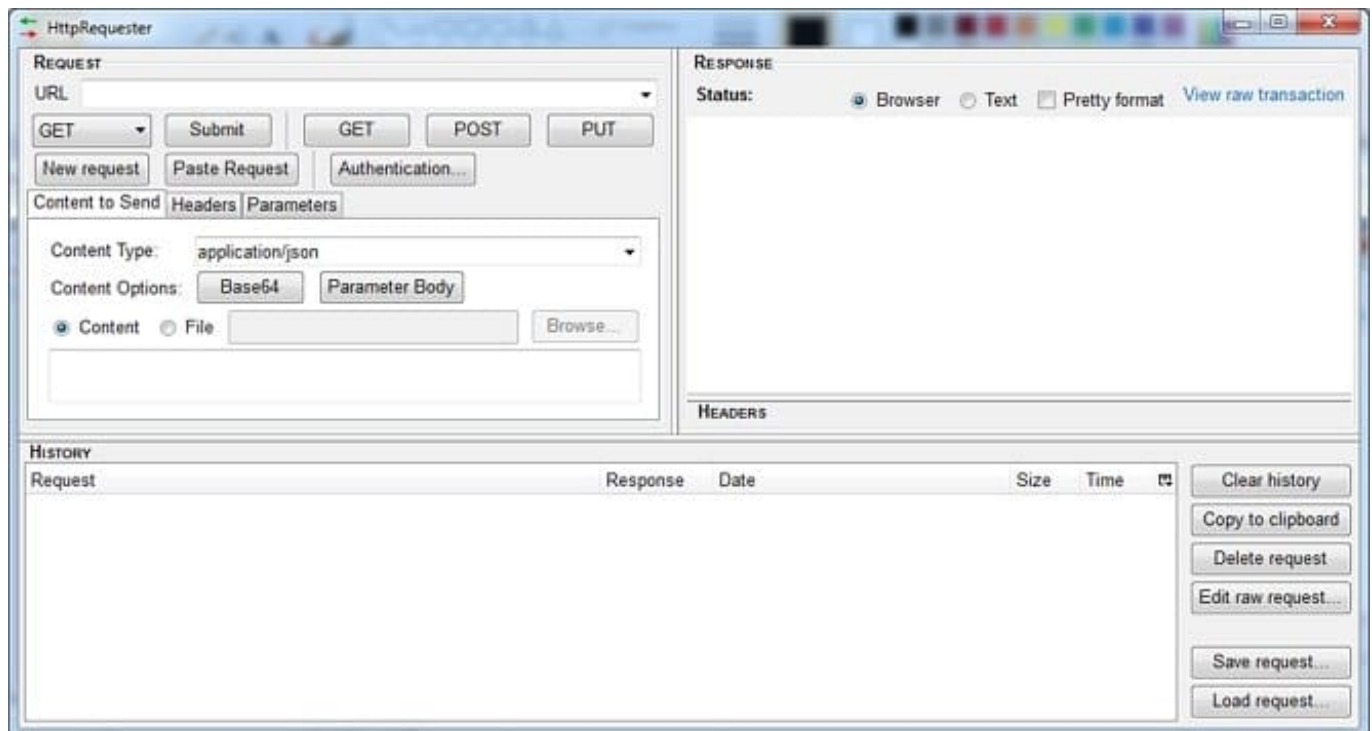
*

Curl is a command-line tool that exists in all Linux distributions, and is available for most other Unix OSes as well as Windows. To use curl to access XtremIO you'll need to pass it a few options, such as the username/password to access the array (any valid account on the XtremIO XMS will work), the URL of the API, and potentially a few options such as -k to tell curl not to validate the SSL certificate (presuming you don't have a valid certificate installed), and -s (silent) to stop curl displaying its progress as it downloads the response.

*

HTTPRequester is a browser extension that is available for both Chrome and Firefox. As with for curl, you'll need to provide a username/password, which is done by clicking on the

"Authentication..." box, which adds two boxes below the URL for the username and the password.



References: <https://blog.docbert.org/using-the-xtremio-rest-api-part-1/>



QUESTION 4

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 CLI 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

Correct Answer: B

resxtop is a command to retrieve performance statistics. This command is included in vSphere command line interface (CLI) and is part of the vSphere Management Assistant (vMA), which is an equivalent to esxtop that runs only inside an ESX service console.

Incorrect Answers:

A: esxtop runs only inside an ESX service console.

D: Use the iostat command to report statistics about disk input and output, and to produce measures of throughput, utilization, queue lengths, transaction rates, and service time.

References: www.emc.com/collateral/TechnicalDocument/docu5265.pdf, page 22

QUESTION 5

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>



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