



**Free Questions for E20-526 by certsinside**

**Shared by Riley on 24-05-2024**

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# Question 1

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**Question Type:** MultipleChoice

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At which point is data compressed when a host sends data to the XtremIO storage system?

## Options:

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- A- Inline before data is written to the SSD
- B- Once data is written to the storage controller
- C- After data is written to the SSDs
- D- After data is in SSD cache

## Answer:

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A

## Explanation:

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XtremIO inline data deduplication and inline data compression services are inline, all the time.

References:<https://www.emc.com/collateral/faq/faq-million-dollar-guarantee-rp-2016.pdf>

## Question 2

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**Question Type:** MultipleChoice

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How many management IP addresses are required on a single XtremIO storage controller?

**Options:**

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A- 1

B- 2

C- 3

D- 4

**Answer:**

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A

**Explanation:**

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References:<https://docs.openstack.org/juno/config-reference/content/XtremIO-cinder-driver.html#xtremio-management-ip>

## Question 3

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**Question Type:** MultipleChoice

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Based on XtremIO best practice, which byte sector size should be used for volumes hosting Oracle database files?

**Options:**

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**A-** 256

**B-** 512

**C-** 1024

**D-** 4096

**Answer:**

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D

## Explanation:

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Architecting a database on an All Flash Array (AFA) like EMC's XtremIO is best done by reviewing practices to optimize I/O performance. One consideration is the use of Advanced Format and how it impacts the performance of the database Redo logs. Advanced Format refers to a new physical sector size of 4096 bytes (4KB) replacing original 512 byte standard.

References:[https://community.emc.com/community/connect/everything\\_oracle/blog/2014/07/18/xtremio-best-practices-advanced-format-512e-and-native-modes](https://community.emc.com/community/connect/everything_oracle/blog/2014/07/18/xtremio-best-practices-advanced-format-512e-and-native-modes)

## Question 4

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**Question Type:** MultipleChoice

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A customer is interested in transitioning their traditional infrastructure to the Cloud by implementing ViPR software-defined storage in an XtremIO environment. Which capabilities will EMC ViPR software-defined storage provide to XtremIO?

## Options:

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- A-** Delivers SaaS Centralized management and monitoring Chargeback and billing capabilities
- B-** Chargeback reporting capability Centralizes reactive monitoring capability Policy-driven configuration management

**C-** Automatically grows storage volumes  
Slows growth of data  
Centralized auto-deletes of aging files

**D-** Creates virtual storage pools  
Automates disaster recovery  
Replaces chargeback capabilities

**Answer:**

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A

**Explanation:**

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EMC ViPR Controller is a software-defined storage platform that abstracts, pools and automates a data center's underlying physical storage infrastructure. It provides data center administrators with a single control plane for heterogeneous storage systems.

ViPR enables software-defined data centers by providing features including:

\* Comprehensive and customizable platform reporting capabilities that include capacity metering, chargeback, and performance monitoring through the included ViPR SolutionPack

References: Introduction to the EMC XtremIO STORAGE ARRAY (April 2015), page 60

## Question 5

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**Question Type:** MultipleChoice

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A customer has a VMware vSphere environment running Native Multipathing (NMP). Which path selection policy should be set for optimal performance when connected to an XtremIO cluster?

**Options:**

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- A- Fixed AP
- B- Most Recently Used
- C- Fixed
- D- Round Robin

**Answer:**

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D

**Explanation:**

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Configuring vSphere Native Multipathing.

For best performance, it is recommended to do the following:

Set the native round robin path selection policy on XtremIO volumes presented to the ESX host.

References: <https://itzikr.wordpress.com/2015/12/16/host-configuration-for-vmware-vsphere-on-emc-xtremio/>

## Question 6

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**Question Type:** MultipleChoice

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You have worked with a customer to successfully evaluate their existing server environment using the MiTrend data analysis tool. You have collected the resulting reports and aggregated the data set. You determine the customer's application workload generates a 50:50 read/write ratio with an average of 500K IOPs during peak business hours.

Which recommended XtremIO model meets the customer's needs?

### Options:

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- A- Starter X-Brick cluster
- B- Single X-Brick cluster
- C- Two X-Brick cluster
- D- Four X-Brick cluster

### Answer:

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D



## Explanation:

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System	Raw Capacity	Read/Write IOPS	Read IOPS
Starter X-Brick	5 TB	150K	250K
1 X-Brick	10, 20, or 40 TB	150K	250K
2 X-Brick Cluster	20, 40, or 80 TB	300K	500K
4 X-Brick Cluster	40, 80, or 160 TB	600K	1M
6 X-Brick Cluster	120 or 240 TB	900K	1.5M
8 X-Brick Cluster	160 or 320 TB	1.2M	2M

References: <https://store.emc.com/en-us/Product-Family/EMC-XtremIO-Products/EMC-XtremIO-All-Flash-Scale-Out-Array/p/EMC-XtremIO-Flash-Scale-Out>

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