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QUESTION 1

Block size/IOPS	Single X-Brick – FC Connectivity						
	100%R	80%/20%	70%/30%	50%/50%	30%/70%	20%/80%	100%W
512b	244,950	156,651	135,752	109,434	91,818	86,003	75,820
1K	244,840	156,814	136,096	109,300	92,150	86,103	76,293
2k	244,299	156,843	136,157	109,424	92,813	86,340	76,004
4k	243,655	156,563	135,376	109,205	93,068	86,181	75,857
8k	243,831	181,200	163,430	136,187	116,679	108,606	95,241
16k	154,240	109,849	97,069	77,777	64,731	59,666	51,776
32k	94,169	61,813	53,666	42,433	34,880	32,077	27,627
64k	50,170	32,405	28,365	22,662	18,683	17,116	14,660
128k	25,128	16,153	14,263	11,582	10,120	8,896	7,605
256k	12,116	7,692	6,841	5,695	4,886	4,522	3,885
512k	4,572	3,182	2,886	2,480	2,216	2,102	1,886
1M	2,264	1,582	1,440	1,238	1,104	1,050	944

Refer to the exhibit.

A customer has a VMware Horizon View environment with the following characteristics: One X-Brick XtremIO cluster 100% read during a boot storm 8K read/writes

What is the maximum recommended number of VDIs the XtremIO cluster can support during a boot storm?

- A. 1625
- B. 1833
- C. 3250
- D. 5094

Correct Answer: A

EMC estimates that 150 IOPS per desktop is required in a boot storm. As per table the recommended number of VDIs then is 243,831/ 150, which equals 1625.

References: <https://www.emc.com/collateral/white-papers/h14279-wp-vmware-horizon-xtremio-designconsiderations.pdf>, page 32

QUESTION 2

Which part of the XtremIO architecture do host ports use to access an XtremIO volume?

- A. FA
- B. Initiator
- C. Target



D. Zone

Correct Answer: D

All XtremIO's enterprise features (including Inline Data Reduction, snapshots, XDP, HA, etc.) have been developed as part of the scale-out architecture. All data and metadata are evenly distributed across the entire cluster. I/Os are admitted to the array via all the host ports, utilizing SAN zones and multi-pathing.

References: Introduction to the EMC XtremIO STORAGE ARRAY (April 2015), page 39

QUESTION 3

A customer has two XtremIO clusters running 3.x software release. The customer just purchased a new XtremIO array that will be installed with the latest 4.x software release.

What is the minimum number of XtremIO Management Server(s) that will be required to manage all clusters?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: C

The system operation is controlled via a stand-alone dedicated Linux-based server, called the XtremIO Management Server (XMS). A single XMS can manage multiple clusters. Multiple cluster management is supported from version 4.0 and up. System version 4.0 supports up to eight clusters managed by an XMS in a given site.

References: Introduction to the EMC XtremIO STORAGE ARRAY (April 2015), page 48

QUESTION 4

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

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: A

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

QUESTION 5



What is considered typical performance for an XtremIO single X-Brick cluster?

- A. Small block writes: 200k-250k IOPs. Large block reads: up to 2.5 GB/s
- B. Small block writes: 200k-250k IOPs. Large block writes: up to 2.5 GB/s
- C. Small block reads: 200k-250k IOPs. Large block writes: up to 2.5 GB/s
- D. Small block reads: 200k-250k IOPs. Large block reads: up to 2.5 GB/s

Correct Answer: C

Choose an EMC XtremIO system and scale out linearly by adding more XtremIO X-Bricks.

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-FlashScale-Out-Array/p/EMC-XtremIO-Flash-Scale-Out>

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