



# E20-880<sup>Q&As</sup>

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**QUESTION 1**

Your customer has a Microsoft SQL installation on a VMware guest Windows 2008 Server using VMFS. The ESXi server uses a VNX system. The VMFS has been properly aligned with the physical disk.

What would you recommend to your customer to avoid misalignment between a partition used by the Windows 2008 Server and the underlying physical disk?

- A. Alignment is automatically handled by Windows.
- B. Use an NTFS allocation unit size of 32 KB and an offset value of 1024.
- C. Use an NTFS allocation unit size of 64 KB and an offset value of 1024.
- D. Alignment for the virtual disk is handled by VMFS.

Correct Answer: A

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**QUESTION 2**

A clone source LUN is 1 TiB in size. It performs 450 random 8 KiB IOPs with a 2:1 R/W ratio. As part of ongoing testing, the clone is fractured for five minutes and then resynchronized. The testing is performed every hour. How much data (to the nearest GiB) is read from the source LUN as part of the resynchronization process?

- A. 3 GiB
- B. 11 GiB
- C. 22 GiB
- D. 44 GiB

Correct Answer: C

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**QUESTION 3**

A customer creates a multi-tiered pool with the following configuration:

Five 200 GB FAST VP optimized Flash drives configured as 4+1 RAID 5 Ten 600 GB 15 krpm SAS drives configured as 4+1 RAID 5 Sixteen 2 TB NL-SAS drives configured as 6+2 RAID 6

The customer's workload consists of 4 kB random I/Os with a R/W ratio of 2:1.

How many host IOPs can the pool support?

- A. 3,397 writes/s and 6,793 reads/s
- B. 28,240 IOPs
- C. 20,740 IOPs



D. 6,913 writes/s and 13,827 reads/s

Correct Answer: A

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#### QUESTION 4

Your customer is designing a Proof of Concept with SQL Server attached to a VNX. The storage design includes seven LUNs on a RAID Group. The system is generally very heavily loaded, with a particularly high load on the cache. This is a very carefully controlled environment and your customer has asked for assistance in planning the layout of the LUN location on the physical spindles.

Where in the RAID Group would you recommend placing the two heavily used LUNs for a "short-stroked" architecture?

- A. Adjacent to each other at the beginning
- B. One at beginning and one at the end
- C. Adjacent to each other in the middle
- D. Evenly placed, as non-adjacent as possible

Correct Answer: A

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#### QUESTION 5

A VMware v4 customer is considering consolidation of their environment to support their cloud IAAS (Infrastructure as a Service) initiative on VNX storage. They have a number of customers interested in deploying clustered application servers, across many varied application environments, onto this new infrastructure.

What advice would you give your customer to help them formulate their new environment and minimize their administrative overhead?

- A. Upgrade to vSphere 5. Deploy standardized VM templates and hardware Version 8.
- B. Remain at vSphere 4. Upgrade datastores to VMFS-5 and use EVC.
- C. Introduce several vSphere 5 servers. Upgrade all datastores to VMFS-5 and use FT.
- D. Remain at vSphere 4. Increase current VM images to support 1 TB of memory and deploy HA.

Correct Answer: A

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