

EMC

Exam E20-324

VNX Solutions Design Exam for Technology Architects

Verson: Demo

[Total Questions: 10]

Question No : 1

A customer has 20 physical hosts which will be virtualized. They will then be connected to a new VNX system. All hosts will use virtual disks with a block size of 1 MB.

The customer shows you performance statistics from the physical hosts. You note that they all perform a mix of 8 kB and 64 kB I/Os. The customer asks what the I/O profile on the new VNX system will be.

What should you tell the customer?

- A. The virtual hosts will perform a mix of 8 kB and 64 kB I/Os
- B. The virtual hosts will perform I/Os of 1 MB exclusively
- C. The virtual hosts will perform 8 kB and 64 kB I/Os, and the hypervisor will perform 1 MB I/O
- D. iSCSI virtual hosts will perform 8 kB and 64 kB I/Os, and Fibre Channel hosts will perform 1 MB I/Os

Answer: A

Question No : 2

Your customer is looking to consolidate their current Windows CIFS server virtualized on VMware to a purpose built file sharing device. Their environment consists of.

- ✍ 250-300 power users leveraging complex macros and import data from other applications
- ✍ 15000-18000 average users leveraging home directories
- ✍ Some files are shared between their Windows and Red Hat application teams.

What key information should be collected to size and configure the VNX for their multi-protocol shares?

A.

Windows and NFS client/server version information
Active Directory Version information and number of domains
User mapping tools
Average number of files per server and average file size
Total storage used
esxtop data

B.

Windows and NFS client/server version information

Active Directory Version information and number of domains
Average number of files per server and average file size
Backup configuration, total storage used
Anti-virus version
DASD RAID Configuration

C.

Windows and NFS client/server version information
Active Directory Version information and number of domains
User mapping tools
Average number of files per server and average file size
Total storage used
Anti-virus version

D.

Windows and NFS client/server version information
Active Directory Version information and number of domains
User mapping tools
Average number of files per server and average file size
Total storage used
perfmon/iostat data

Answer: D

Question No : 3

Your customer calls you about their new replication solution. CIFS access is being interrupted intermittently on the replication target.

What would you recommend to avoid interruption?

- A. Increase RPO to 20 minutes.
- B. Disable Auto Extend on the source file system.
- C. Use a checkpoint of the destination file system for client access at the destination site.
- D. Use a checkpoint of the source file system for client access at the destination site.

Answer: C

Question No : 4

A customer is considering VNX to host their Microsoft Exchange 2010 environment. In particular, they want to know how FAST Cache will improve the performance.

Which advice regarding FAST Cache should be provided to the customer?

- A. Does not provide measurable performance improvement with Exchange 2010
- B. Provides high levels of performance improvement with Exchange 2010
- C. Improves performance due to the locality of Exchange 2010 data
- D. Improves performance when using SOAPTool to distribute the Exchange 2010 data

Answer: A

Question No : 5

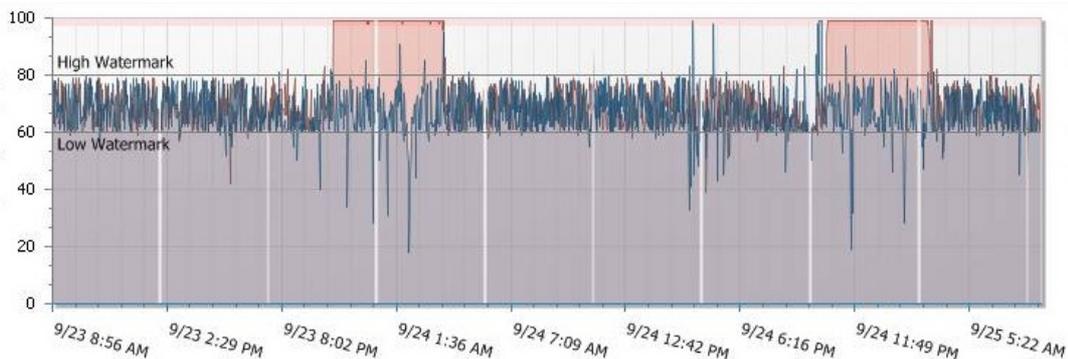
When documenting the customer environment prior to a storage refresh, you discover that the customer has an issue their backups do not complete every job. How should you proceed?

- A. Have the customer resolve the issue before continuing.
- B. Note the issue in the Statement of Work and continue with planning.
- C. Open a case for the backup issue and resolve it yourself.
- D. No action required: SOW does not include resolving this type of issue.

Answer: A

Question No : 6

Refer to the exhibit.



You are using Analyzer Helper to review NAR files from a customer's VNX array.

Which performance issue is indicated by the graph?

- A. Write Cache is periodically full for one Storage Processor
- B. SP Utilization periodically reaches 100% for one Storage Processor
- C. FAST Cache % dirty pages exceeds 70% threshold
- D. SP Utilization exceeds recommended 70% threshold

Answer: A

Question No : 7

During data collection, the Time Out of Sync (TOS) setting is currently set at 10 minutes. You recommend a larger TOS setting based on the data that will be replicated.

Under what conditions would you increase the TOS setting?

- A. Source is prone to bursts of write activity.
- B. Source is prone to bursts of read activity.
- C. Source is prone to very low write activity.
- D. Source is prone to very low read activity.

Answer: A

Question No : 8

The CTO (Chief Technology Officer) of mid-sized company decided to virtualize their storage environment. From the interview, you learn that the company has strict performance requirements that must be met to create a successful solution.

How should the performance requirements for the customer be determined?

- A. On a server to server basis
- B. Based on RAID and current LUN sizes
- C. By gathering back-end IOPs
- D. On an aggregate I/O basis

Answer: A

Question No : 9

When designing storage for SQL Server 2012 transaction log files, how should you allocate storage space?

- A. Create a large log file LUN to improve recovery performance.
- B. Create a large log file LUN to improve write performance.
- C. Create a small log file LUN to improve recovery performance.
- D. Create a small log file LUN to improve write performance.

Answer: A

Question No : 10

You have decided to use SAN Copy to perform an incremental copy migration of your customer's data.

There are 25 source LUNs; each LUN is 250 GiB in size. The target LUNs are each 300 GiB in size.

Using best practices, what is the smallest sized LUN in GiB you should use in the reserved LUN pool for this migration?

- A. 25
- B. 250
- C. 30
- D. 300

Answer: A

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