E20-880^{Q&As}

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QUESTION 1

A storage administrator with a VNX Unified solution is using the CLI to monitor the daily storage performance. They must type long commands to examine the statistical types and names to get the desired results. You have been asked to accelerate and ease the monitoring tasks.

What is the most suitable solution?

A. Create user-defined statGroups

B. Use Unisphere Statistics for File

C. Use Celerra Monitor Tool

D. Collect statistics from log files

Correct Answer: A

QUESTION 2

Click the calculator icon in the upper left-hand corner.

A clone source LUN is 512 GB in size. It performs 1500 random 4 kB IOPs with a 3:1 R/W ratio. As part of ongoing testing, the clone is fractured for 10 minutes and then resynchronized.

The testing is performed every hour.

How much data (to the nearest GB) is read from the source LUN as part of the resynchronization process?

A. 15 GB

B. 27 GB

C. 54 GB

D. 96 GB

Correct Answer: C

QUESTION 3

A customer has designed an environment using block based LUNs presented to individual hosts. They have configured a pool to start using both thick and thin LUNs. One of the standalone servers is an archive server running on Windows. They want to maximize capacity on the standalone server since the data is no longer accessed. They have no more drives to increase LUN capacity.

How can the customer increase available capacity to the archive server?

A. Compress the data on the block based LUN

B. Add capacity to the existing LUN

C. Delete old files

D. Back up the files, reconfigure the LUN, and restore the data

Correct Answer: A

QUESTION 4

A LUN has the following settings:

Prefetch TypE. Variable

Prefetch Multiplier: 4

Segment Multiplier: 4

Prefetch DisablE. 4097

Write-aside SizE. 2048

Maximum Prefetch: 4096

What is largest write that will be cached?

A. 1 MB

B. 2 MB

C. 4 MB

D. 512 KB

Correct Answer: A

QUESTION 5

A customer is supporting 800 Exchange users on a VNX5700. The users are divided among four Exchange storage groups using a total of eight LUNs each for data and logs and two LUNs for a cluster quorum disk and MSDTC. The

company purchased a VNX5300 for its remote site. The company is using MirrorView/A with consistency groups to ensure consistent point-in-time recovery. The Exchange LUNs have been added to the consistency group, but the

administrator is having trouble adding the quorum and DTC LUNs.

What should the administrator do?

A. Create a second consistency group for the quorum and DTC LUNs

B. Create ten consistency groups (one for each LUN) and ensure that the update frequency is the same for all groups

C. Evenly distribute all LUNs across both SPs before adding them to the consistency group

D. Fracture all mirrors before adding them to the consistency group

Correct Answer: C

QUESTION 6

Click the calculator icon in the upper left-hand corner. A clone source LUN is 2 TB in size. It performs 450 random 16 kB 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 GB) is read from the source LUN as part of the resynchronization process?

A. 6 GB

B. 22 GB

C. 44 GB

D. 88 GB

Correct Answer: C

QUESTION 7

You are working with a customer that recently refreshed their hardware with a VNX storage system configured with Flash drives. During this swap customer also migrated their Exchange 2010 environment to the VNX. Now the customer is claiming that they do not see any performance improvement with their Exchange environment.

What is your explanation?

A. Exchange 2010 was deployed in FAST VP.

B. Database and log files are in the same FAST VP.

C. FAST Cache is not enabled on log volumes.

D. Thin LUNs were not 100% pre-allocated in FAST VP.

Correct Answer: A

QUESTION 8

Your customer is new to Unisphere Analyzer and wants to know which chart should be used to get a very simple, at-a-glance overview of LUNs being used by their Oracle application.

What Analyzer chart would give the customer the requested information?

A. Survey

B. Detail

C. Summary

D. IO Size Distribution

Correct Answer: A

QUESTION 9

Refer to the exhibit.

A single small IO spans 2 physical disks.

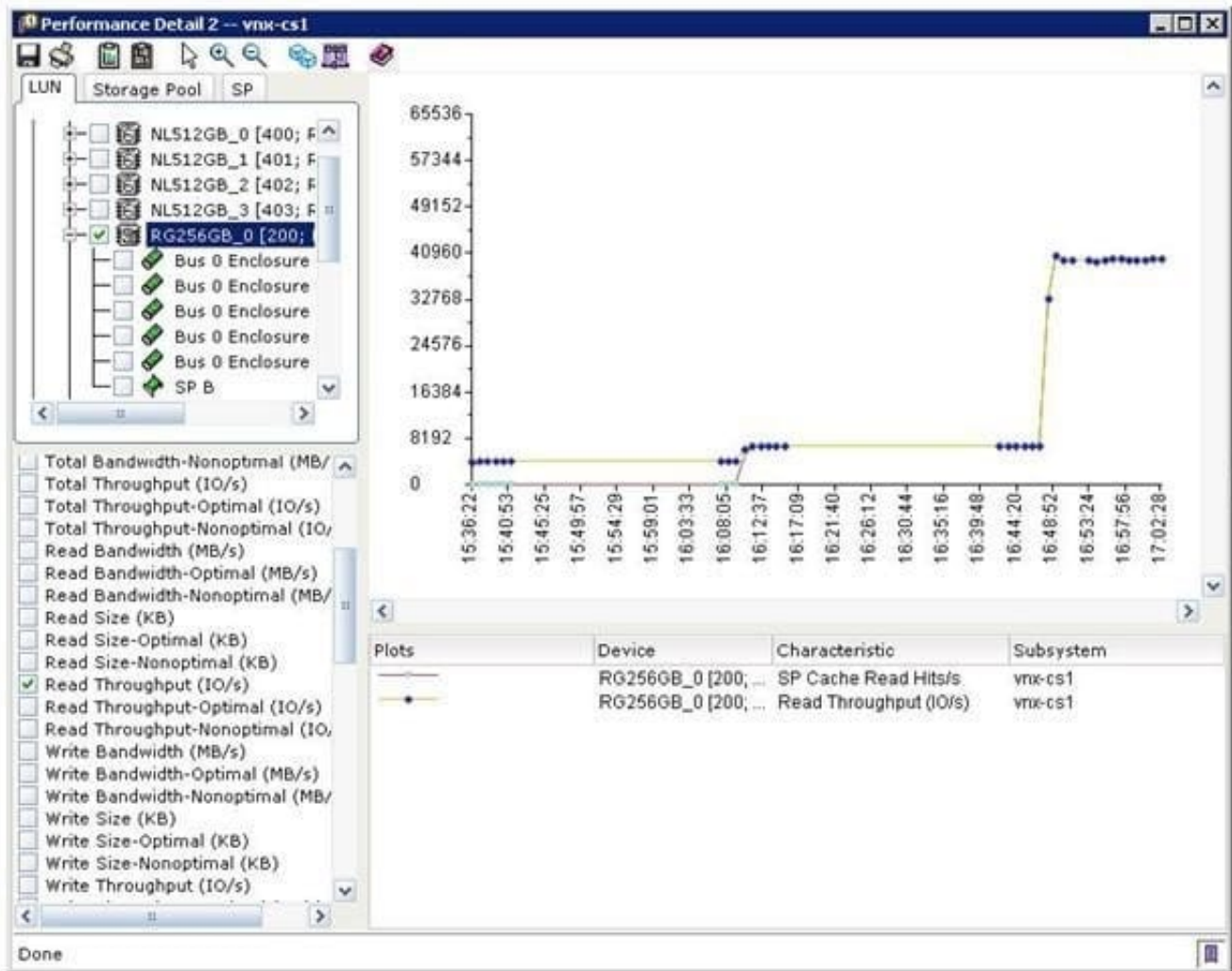What will the disk crossing counter increase by?

A. 1

B. 2

C. 4

D. 5

Correct Answer: A

QUESTION 10

Refer to the exhibit.

What is true of the I/O access pattern after 16:10?

A. Reads are satisfied from cache

B. Write coalescing is occurring

C. Disk seek distances are high

D. Disk queue lengths are high

Correct Answer: A

QUESTION 11

You received a call from a customer asking to help troubleshoot why they cannot select dvols using MVM from their remaining pool LUNS to create a stripe volume.

What could be a reason for this?

A. All Thick LUNs must be used first

B. All Thin LUNs must be used first

C. LUNs must not exceed 18 TB in size

D. LUNs must be on the same SP

Correct Answer: A

QUESTION 12

A customer is experiencing performance issues during their anti-virus scanning in their VMware environment. They have determined the problem to be a storage issue. Full clones on SAS drives are being used for replicas. All the anti-virus scans must be run during a limited time window. What can the engineer recommend to alleviate the bottleneck?

A. Move clones to Flash Drives

B. Use linked clones for better performance

C. Add additional FAST Cache

D. Move to NL SAS in a RAID 10 configuration

Correct Answer: A

QUESTION 13

A customer is supporting 800 Exchange users on a VNX5700. The users are divided among four Exchange storage groups using a total of eight LUNs each for data and logs and two LUNs for a cluster quorum disk and MSDTC. The company purchased a VNX5300 for its remote site. The company is using MirrorView/A with consistency groups to ensure consistent point-in-time recovery. The Exchange LUNs have been added to the consistency group, but the administrator is having trouble adding the quorum and DTC LUNs.
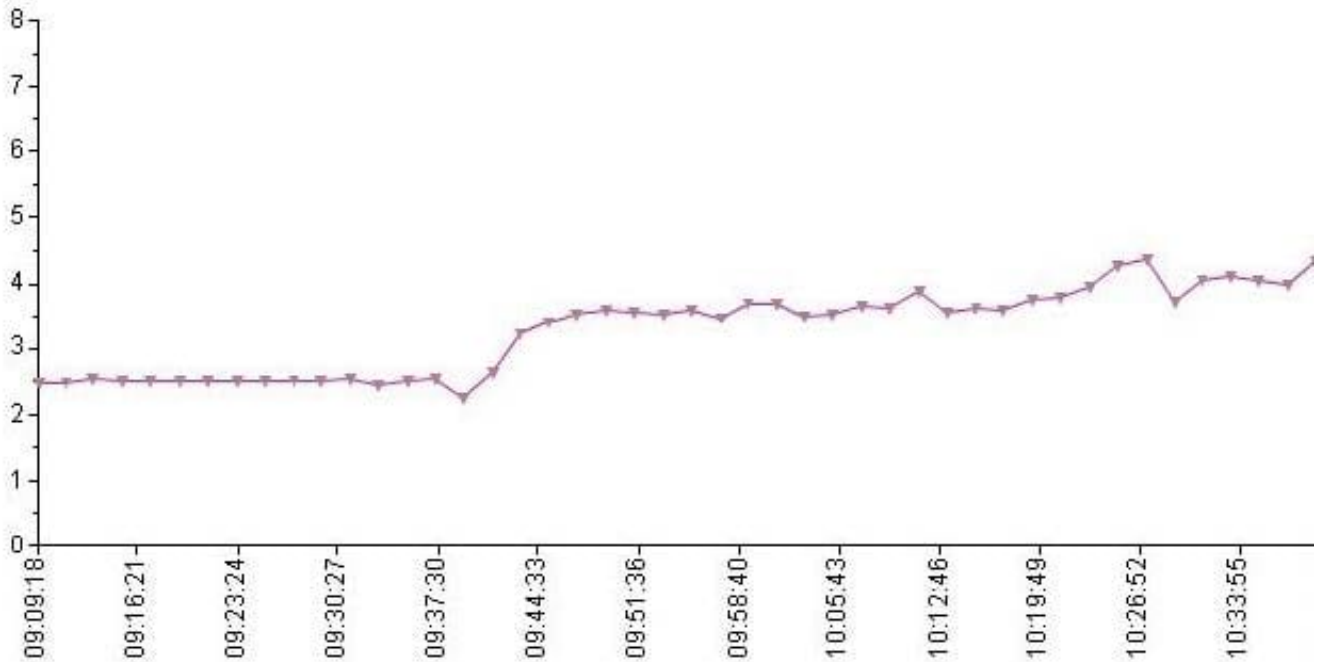
What should the administrator do?

A. Create a second consistency group for the quorum and DTC LUNs

B. Evenly distribute all LUNs across both SPs before adding them to the consistency group

C. Create ten consistency groups (one for each LUN) and ensure that the update frequency is the same for all groups

D. Fracture all mirrors before adding them to the consistency group

Correct Answer: D

QUESTION 14

Refer to the exhibit.

Plots	Device	Characteristic
—•—	Bus 0 Enclosure 0 Disk 4 [Disk]	Average Seek Distance (GB)

A customer starts a test running on a thick LUN. The test generates random 4 kB I/Os with a R/W ratio of

2:1.

A VNX Snapshot is started on the thick LUN at 09:37. The customer notes a decrease in LUN performance and asks for an explanation. Which explanation is correct?

A.

New writes are redirected to slices outside of the thick LUN area.

B.

The read/write ratio changes once a VNX Snapshot is started on a LUN.

C.

Write coalescing causes the physical disks to perform longer seeks.

D.

Prefetching causes the physical disks to perform fewer seeks.

Correct Answer: A

QUESTION 15

A Storage Administrator with a VNX Unified solution is using the CLI to monitor daily storage performance. They must type long commands to examine the statistical types and names to get the desired results. You have been asked to make

statistical groups to accelerate and ease the demanded monitoring tasks.

Which command must be used to accomplish this job?

A. nas_stats

B. server_stats

C. naviseccli

D. Collect statistics from log files

Correct Answer: A