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QUESTION 1

You are designing a VNX storage solution for an Oracle database implementation. The VNX is populated with Flash, SAS and NL-SAS drives. The customer has asked you to recommend the optimal disk layout for the Oracle Automated Storage Manager instance disk group.

Which recommendation best conforms to EMC best practices?

- A. 8 RAID 1/0 Flash LUNs
- B. 4 RAID 1/0 Flash LUNs, 4 RAID 1/0 SAS LUNs
- C. 4 RAID 1/0 Flash LUNs, 4 RAID 5 Flash LUNs
- D. 4 RAID 1/0 SAS LUNs, 4 RAID 6 NL-SAS LUNs

Correct Answer: A

QUESTION 2

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

QUESTION 3

You have designed a VNX for File implementation for a customer data environment that involves a high level of data duplication. The customer is concerned with disk efficiency, and you have designed the system with the minimum number of

disks necessary to meet expected storage needs after deduplication.

The customer is initially pleased with the implementation. The decision is made to add a cycle of SnapSure Checkpoints for backup and recovery purposes. Within weeks, deduplication automatically aborts.

What would you recommend to get deduplication working again?



- A. Disable SnapSure auto-extension and manually manage SavVols
- B. Decrease the auto-extension high watermark to 50%
- C. Use more, smaller Checkpoints
- D. Change the quota policy to file size

Correct Answer: A

QUESTION 4

Your customer recently upgraded their IP switch hardware. Since the upgrade, the customer is experiencing performance degradation on certain NFS exports configured on a VNX for File storage system. The file systems providing the problem exports are all mounted to DataMovers that have been attached to ports on the new switches as part of the upgrade. They have engaged you for advice.

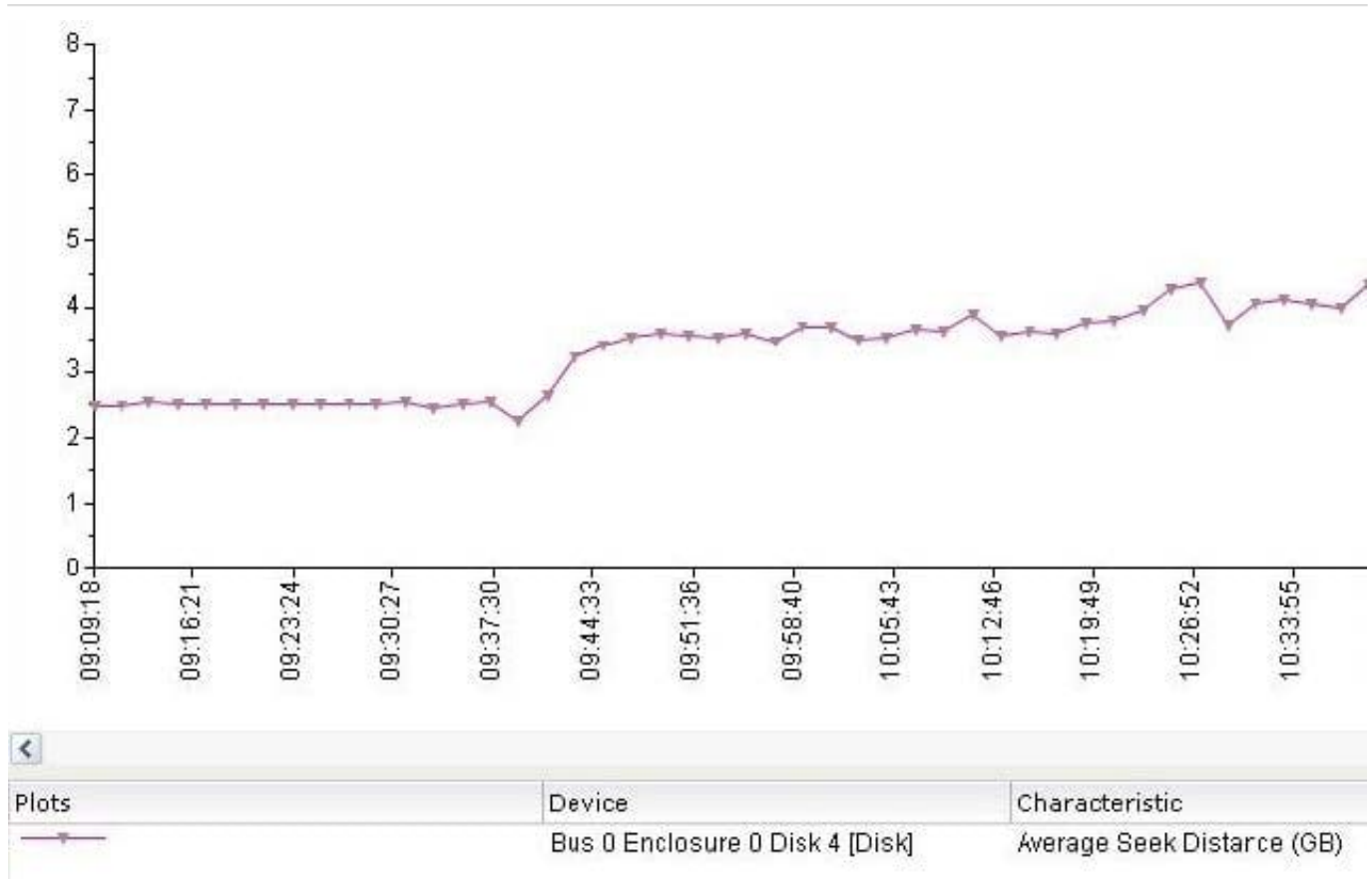
Which action would you recommend?

- A. Check for duplex mismatch
- B. Change MTU size
- C. Change write-aside value
- D. Check for speed mismatch

Correct Answer: A

QUESTION 5

Refer to the exhibit.



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

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