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QUESTION 1

An experienced system administrator reports near maximum MPB utilization with VSP G400 arrays operating in a GAD pair. Each array is supporting 100K IOPS with a 50% read workload. The MPBs should be capable of supporting more than 200K IOPS with this profile according to the basic array sizing tools.

Which two statements are correct in this scenario? (Choose two.)

- A. Cache mirroring between the two G400 arrays generates an extra MPB load which is not recorded in Hitachi Tuning Manager.
- B. Each G400 array is also processing 50K duplex write IOPS from the other G400.
- C. The duplex GAD writes are changing the overall read/write I/O profile and the extra parity operations are causing the high MPB utilization.
- D. The internal array queue management scheme for GAD write operations causes MPB utilization to be doubled.

Correct Answer: BD

QUESTION 2

On a VSP G1000, the maximum I/O Request Limit for an external initiator port has been exceeded. What are two consequences of this activity? (Choose two.)

- A. New writes will back up into the VSP G1000 cache.
- B. The host will see rapidly rising response times per request.
- C. The host will see a minor change in response times.
- D. The host will not be able to process new I/O requests.

Correct Answer: CD

QUESTION 3

A customer is considering buying a new VSP Midrange system with iSCSI front-ends. The system will be used to support existing Oracle databases and a new MS Exchange mail system. The existing customer's LAN has enough resources to handle the iSCSI traffic. They have provided the required storage for Oracle and MS Exchange.

What I/O profile information is required to size the VSP system in this scenario? (Choose two.)

- A. transactions per second collected from the Oracle databases
- B. the planned amount of MS Exchange mailboxes and IOPS per user
- C. the planned amount of e-mails per second the MS Exchange system will send and receive

D. IOPS and R/W ratio collected from the Oracle databases

Correct Answer: BD

QUESTION 4

After moving an application to a dedicated HDP pool consisting of four array groups, RAID 6 and NL-SAS 6 TB drives, the user has noticed significantly high response times.

What information would be used to determine if the pool is configured appropriately in this scenario? (Choose two.)

- A. total IOPS
- B. average request size
- C. array group utilization
- D. percent random write ratio

Correct Answer: BD

QUESTION 5

A user with a diskless VSP G800 uses ShadowImage from the G800 with a virtualized VSP G200 system. Application performance suffers during the frequent ShadowImage resynchronization operations.

What should be done to reduce the impact of the ShadowImage throughput in this scenario?

- A. Configure both sets of disks into an HDT pool and let the HDT scheme manage the different workloads.
- B. Define the ShadowImage target volumes to use dedicated external FC paths using dedicated RAID groups.
- C. Set Copy to 15.
- D. Increase the VSP G800 cache size to improve the application cache hit rates.

Correct Answer: A

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