

HCE-3700^{Q&As}

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QUESTION 1

You are evaluating storage system performance for an interactive workload. What are three appropriate criteria in this situation? (Choose three.)

- A. customer requirements
- B. throughput (MBs)
- C. elapsed time
- D. storage system response time
- E. resource utilization (% busy)

Correct Answer: BCD

QUESTION 2

A customer has a VSP G800 storage system with an HDT pool with internal SAS drives and a virtualized third-party array using SATA RAID 6. The virtualized array is connected to the VSP G800 using four 8 Gbps FC paths. The customer reports performance problems on an OLTP application deployed on a virtualized server using the HDT pool.

What are two reasons for this problem? (Choose two.)

- A. The workload includes significant random writes to SATA over RAID 6.
- B. The tier relocation is not assisting the OLTP application.
- C. The size of Tier 1 is not sufficient to accumulate all of the hot pages.
- D. The speed of the FC links is insufficient.

Correct Answer: AD

QUESTION 3

What are two appropriate criteria for evaluating a batch job performance? (Choose two.)

- A. elapsed time and/or throughput (MBs, IOPS)
- B. storage response time
- C. customer requirements
- D. host initiators utilization

Correct Answer: AB

QUESTION 4

A mission critical SQL server application that resides in a three-tier HDT pool is showing response time spikes that may be related to I/O activity.

Which three Hitachi Tuning Manager reports would you use to determine the problem? (Choose three.)

- A. IOPS by dataset.
- B. IOPS by V-Vol
- C. IOPS by pool
- D. IOPS by tier
- E. IOPS by parity group

Correct Answer: CDE

QUESTION 5

How does the HDLM Extended Round Robin algorithm impact sequential I/O?

- A. It continues to use the same path for a user-specified count of sequential I/O requests.
- B. It remembers a user-determined number of addresses to better implement sequence detection for the storage.
- C. It buffers and reorders I/O requests to improve sequence detection by the storage.
- D. It makes a path decision for every I/O request.

Correct Answer: A

References: <https://dokumen.tips/documents/dynamic-link-manager-hitachi-vantara-support-file-systems-for-hdlmwhen-volume.html>

QUESTION 6

Which two UNIX commands provide metrics about disk device I/O activity? (Choose two.)

- A. perfmon
- B. iogen
- C. iostat
- D. sar

Correct Answer: CD

QUESTION 7

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 8

For a VSP G1000 system serving a mission critical interactive workload, which two statements are true about VSD failover? (Choose two.)

- A. The VSD receiving the workload of a failed VSD is not pre-determined.
- B. Providing reserved capacity to accommodate failure is a requirement when planning for capacity for normal operations.
- C. The workload of a failed VSD board always transfers to its redundant partner VSD board.
- D. The workload of a failed VSD board is dynamically redistributed among surviving VSD boards.

Correct Answer: BC

QUESTION 9

A high level of writes to external storage is backing up into a VSP G1000 cache, creating a high write pending problem that is affecting other workloads.

Which three actions will help to minimize this problem? (Choose three.)

- A. Add more cache to the enterprise storage system.
- B. Add more cache in the external storage.
- C. Quarantine the LUNs in a separate cache partition.
- D. Set Cache Mode to "Disabled" for the external LUNs.
- E. Address the throughput constraints in the external storage.

Correct Answer: ABD

QUESTION 10

A large bank is completing a capacity planning exercise and wants to upgrade their current VSP G1000 to properly support their online banking application for the next 18 months. The IT department wants to know where they should invest to achieve the transactional Service Level Objective (SLO).

In this scenario, which three recommendations would you make? (Choose three.)

- A. Measure throughput of all SAN directors.
- B. Export two months of Performance Monitor data.
- C. Measure the storage resource utilizations.
- D. Request a statement of growth requirements.
- E. Measure the existing I/O profile.

Correct Answer: BCD

References: https://knowledge.hitachivantara.com/Documents/Storage/VSP_G1X00_and_VSP_F1500/80-06-4x/Product_Overview/04_Software_solution_examples

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