

DUMPS ARENA

Hitachi Vantara Certified Expert - Performance architect

Hitachi HCE-3700

Version Demo

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QUESTION NO: 1

When testing an external LUN with default mapping on two paths, performance appears constrained and the utilization of the RAID group in the external storage system never exceeds 35% busy no matter how many test threads are generated. You want to increase the utilization of the external RAID group.

Which two actions will accomplish this task? (Choose two.)

- A. Increase the external path LUN queue depth setting.
- B. Increase the number of LUNs mapped from the external RAID group.
- C. Change Cache Mode to "Disabled".
- D. Increase the server HBA LUN queue depth to 64.

ANSWER: A C**QUESTION NO: 2**

A customer plans to migrate an interactive application from a VSP to VSP G1000. The application has consistent access across all its capacity with low hit rates and no particularly high I/O access areas. The application latency must be less or equal to 1.5 ms.

Which configuration do you recommend to satisfy the requirements?

- A. an HDT pool consisting of SAS 10K and FMD drives
- B. an HDP pool with FMD drives
- C. an HDP pool consisting of NL-SAS and FMD drives
- D. an HDP pool consisting of external LDEVs provisioned on a VSP F400 system

ANSWER: A**QUESTION NO: 3**

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.

ANSWER: B C

QUESTION NO: 4

A customer wants to add a new flash-based tier to an existing HDT pool. You refer to the Tier properties chart to determine if the workload in a disk-based HDT pool is a good candidate for adding a new and higher flash tier.

In this scenario, what does the chart tell you?

- A. The utilization line starts at a low level and gradually climbs to a high spike at the extreme right-hand side.
- B. The utilization line starts at a medium level on the left side and falls away slowly.
- C. The utilization line stays at a high level until half way across the chart then drops sharply.
- D. The utilization line starts at a high level on the left side then drops away sharply.

ANSWER: A

QUESTION NO: 5

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)

ANSWER: B C D

QUESTION NO: 6

A VSP G800 HDT pool contains FMDs, NL-SAS drives, external storage with 15K 600 GB SAS drives, and external storage with 10K 900 GB SAS drives.

Which tier level contains the NL-SAS drives in this configuration?

- A. 1
- B. 2

C. 3

D. 4

ANSWER: A

QUESTION NO: 7

Which two statements are true regarding HDP pools? (Choose two.)

- A. Using the largest possible pools is a recommended practice.
- B. Exposure to failure and recovery from failure must be considered when recommending the maximum size of a pool.
- C. HDP pools can be used for sizing HDT pools.
- D. Tier migration is based on performance and space capacity.

ANSWER: A C

QUESTION NO: 8

Relocation cycles are regulatory failing to complete in an HDT implementation where the customer is also reporting lower than expected performance.

What should be done in this scenario?

- A. Change to Continuous mode and increase the monitor period cycle time.
- B. Change to Period mode and increase the monitor period cycle time.
- C. Change to Period mode and reduce the monitor period cycle time.
- D. Change to High-Performance mode and reduce the monitor period cycle time.

ANSWER: B

QUESTION NO: 9

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

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

ANSWER: C D

QUESTION NO: 10

Immediately after migrating to a new HDT pool, Hitachi Tuning Manager shows that Tier 1 SSD, Tier 2 SAS, and Tier 3 NL-SAS are not busy for performance but Tier 1 and Tier 2 are over utilized for capacity. From this analysis, which action should be performed?

- A.** Re-asses after HDT performs page migration cycles.
- B.** Add more drives to Tier 1.
- C.** Add more drives to Tier 1 and Tier 2.
- D.** Remove the SSD tier.

ANSWER: C