

# HCE-3700<sup>Q&As</sup>

Hitachi Vantara Certified Expert - Performance architect

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# **QUESTION 1**

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 2**

You need to run a benchmark test to verify the performance of a new multi-user database storage implementation before loading the real data.

What are three features you will need in the benchmark/workload generator to accomplish this task? (Choose three.)

- A. variation of thread count
- B. variation of sequential and random access
- C. variation of RAID level
- D. variation of HBA queue depth
- E. variation of read and write

Correct Answer: CDE

#### **QUESTION 3**

A 10K RPM Small Form Factor 600 GB disk drive has a 3 ms average rotational latency and a 4 ms average seek time.

How many random read IOPS would you expect from a 4D+4D RAID group using these drives before any consideration for cache hits or queuing optimization benefits?

A. approximately 570 IOPS

- B. approximately 1,140 IOPS
- C. approximately 1,530 IOPS



D. approximately 2,280 IOPS

Correct Answer: D

# **QUESTION 4**

Which two statements are true about the Active Flash feature on the VSP Midrange? (Choose two.)

A. The Active Flash feature of Hitachi Dynamic Tiering monitors page access frequency in real-time, and immediately promotes pages that suddenly become busy.

B. The Active Flash feature can be enabled on any HDT pool as long as Tier 1 of the Dynamic Tiering pool is composed of SSD or FMD drives.

C. The Active Flash feature can be enabled on any HDP pool as long as the pool is comprised of SSD or FMD drives.

D. The Active Flash feature of Hitachi Dynamic Tiering monitors page access frequency in real-time, and promotes pages based on a predefined schedule.

Correct Answer: AB

References: https://knowledge.hitachivantara.com/Documents/Management\_Software/SVOS/8.2/ Volume\_Management\_-\_VSP\_G1x00%2C\_F1500/Tiered\_Storage/02\_About\_active\_flash

# **QUESTION 5**

Which two environments are suitable for cost effective use of Hitachi Accelerated Flash disk media? (Choose two.)

- A. Online Analytical Processing (OLAP) data warehouse
- B. Online Transaction Processing (OLTP) with HDT
- C. large scale Consumer Video on Demand (CVOD)
- D. Virtual Desktop (VDI)
- Correct Answer: AB

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