

**Exam Number/Code:**HH0-440

**Exam Name:**Storage Architect -  
Performance and Virtualization

**Version:** Demo

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QUESTION NO: 1

A customer runs two geographical dispersed data centers and plans to merge both data centers' SANs. Which three should be considered when planning the ISL installation and configuration? (Choose three.)

- A. Distance
- B. ISL trunk setup/configuration
- C. Estimated throughput
- D. Fabric trunk setup/configuration
- E. Buffer credits

Answer: A,B,C

QUESTION NO: 2

Which HDS product is used to define and report Logical Group configurations?

- A. Hitachi Tuning Manager
- B. Hitachi Device Manager
- C. Hitachi Tiered Storage Manager
- D. Hitachi Storage Services Manager

Answer: B

QUESTION NO: 3

When planning for capacity growth and performance for a new application, which three metrics are necessary to determine the required back-end storage configuration? (Choose three.)

- A. Anticipated read/write IOPS
- B. Cache read hit ratios
- C. Queue depths
- D. Transfer rates
- E. IOPS per physical disk

Answer: A,B,E

QUESTION NO: 4

Which three actions will help to reduce the level of Write Pending data in cache during periods of intense random update processing? (Choose three.)

- A. Switch to faster disk drives.

- B. Migrate from RAID5 to RAID1.
- C. Spread the load across more RAID Groups.
- D. Spread the load across more ports.
- E. Spread the load across more LUNs.

Answer: A,B,C

QUESTION NO: 5

Which two Hitachi Professional Services are available for modular and enterprise performance assessment and troubleshooting? (Choose two.)

- A. Storage Platform Assessment (SPA)
- B. Implementation Service for Hitachi Tuning Manager
- C. Implementation Service for Hitachi Storage Services Manager Software
- D. Tiered Storage Planning and Design Service

Answer: A,B

QUESTION NO: 6

A Microsoft Exchange administrator team is responsible for managing five mailbox servers and maintaining acceptable service level objectives for your organization's email users. Accordingly, they want to setup Windows Performance Monitor to actively monitor the Exchange servers.

Which Performance Monitor counter should be monitored for the Exchange database LUNs?

- A. Diskwrite bytes/second
- B. Disk read bytes/second
- C. IO delays per sec
- D. Average disk read latency (ms)

Answer: D

QUESTION NO: 7

A customer reports erratic occurrences of concurrent slow downs involving multiple servers directly attached to a large enterprise storage system. Each server supports an independent application and uses dedicated port processors and RAID Groups. Storage replication, thin provisioning, and external storage are used. If this problem originates in the storage, what are the two most likely causes? (Choose two.)

- A. Highly concurrent PAIRCREATE

- B. Storage system microcode problem
- C. High internal path utilization
- D. High cache Write Pending

Answer: A,D

QUESTION NO: 8

A customer reports OLTP database response times as measured by Oracle have tripled from 1ms to 3ms. Comprehensive data collection is present throughout the incident. Which three metrics are most relevant? (Choose three.)

- A. LDEV response time
- B. LUN queue depth
- C. Port utilization (% Busy)
- D. Cache hit ratio
- E. BED utilization

Answer: A,C,D

QUESTION NO: 9

When DB2 Deferred Write Threshold (DWT) is reached, high write activity occurs, this can degrade all subsystems involved with the DB2 containers. Within the entire performance chain, which three components are critical during these occurrences? (Choose three.)

- A. Host CPU
- B. Host memory
- C. Storage subsystem cache
- D. Storage subsystem front-end processors
- E. Storage subsystem disks

Answer: B,C,E

QUESTION NO: 10

To eliminate disk related performance issues, which three Hitachi Tuning Manager reports would be most useful for analyzing Microsoft 2007 Exchange Storage Group LUN activity? (Choose three.)

- A. RAID Map reports
- B. RAID Group Configuration reports
- C. RAID Group Utilization reports
- D. Logical Device Response Time reports

E. Exchange MAPI Connection reports

Answer: A,C,D