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QUESTION 1

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.

Correct Answer: B

QUESTION 2

A user reports fluctuating LUN response times every day between 8:00 AM and 9:00 AM as users arrive and log in.

How do you identify this condition using Hitachi Tuning Manager?

- A. View LUN response times and RAID group utilization (% busy) averaged over the 60 minutes.
- B. View the random write counts every minute.
- C. View LUN response times and RAID group utilization (% busy) every minute.
- D. View LUN response times and correlate against the Cache Write Pending level every 15 minutes.

Correct Answer: A

QUESTION 3

You are planning for a performance upgrade for a transaction application.

Which three metrics are necessary to determine the required back-end storage configuration in this scenario? (Choose three.)

- A. cache read hit ratio
- B. read/write ratio
- C. transfer rates
- D. queue depth
- E. IOPS

Correct Answer: ABE

QUESTION 4

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 5

You are deploying an external storage system and its connection to a VSP G1000. The VSP G1000 has four external pools. You must ensure balanced utilization of the external storage system parity groups within each pool.

What would you do to satisfy this requirement?

- A. Use only one external volume per external parity group with the default UVM queue depth.
- B. Slice each external parity group to provide a pool volume for each pool.
- C. Ensure that volumes from a parity group in an external system are exclusively associated with the same external parity group in the storage system connected to the host.
- D. Provide eight paths for each volume presented by the external storage system to the storage system connected to the host.

Correct Answer: C

QUESTION 6

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

Correct Answer: A

QUESTION 7

You are designing a VSP G1000 solution for a customer and you need to determine the appropriate disk type and RAID level.

What information do you need to design the solution? (Choose three.)

- A. type of workloads
- B. workloads read-write ratio
- C. operating systems used in the environment
- D. fan-in and fan-out ratios
- E. expected I/O rates

Correct Answer: ABE

QUESTION 8

You are troubleshooting a potential marginal link in a SAN fabric that you believe is causing a performance problem.

To troubleshoot this problem, which two actions will allow you to view the detailed port statistics? (Choose two.)

- A. Use the vendor's GUI.
- B. Use the appropriate host command(s).
- C. Use the appropriate switch command(s).
- D. Use SVP Performance Monitor.

Correct Answer: AC

QUESTION 9

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 10

A customer with a VSP G1000 is using HDT with SAS 15K drives and external storage. The customer wants the daytime response-sensitive workload to benefit from tiering. They also want to minimize the impact of relocations on the daytime operation itself.

In this scenario, which action will satisfy the requirements?

- A. Enable monitoring only during the daytime hours (9:00 AM to 5:00 PM) and only enable relocation at other times.
- B. Disable monitoring during daytime hours (9:00 AM to 5:00 PM)
- C. Enable active flash so that all relocations can be completed in short bursts.
- D. Use continuous mode with a 30-minute cycle time and define relocation during daytime hours (9:00 AM to 5:00 PM) with a low relocation speed.

Correct Answer: A

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