



HCE-5710^{Q&As}

Architecting Hitachi Data Systems Certified Expert - Replication solutions

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**QUESTION 1**

Command Control Interface (CCI) is being used to manage TrueCopy and ShadowImage pairs. An error has occurred, but there is no indication of the error in any of the CCI HORCM logs or traces. Which two locations could be checked for CCI error messages? (Choose two.)

- A. the UNIX syslog
- B. the Windows event log
- C. the UNIX CCI installation directory
- D. the Windows CCI installation directory

Correct Answer: AB

QUESTION 2

A customer wants to replicate a database on a UNIX host with Universal Replicator but exclude the temporary and backup file systems to reduce the replication workload. What should be reviewed to ensure this is possible?

- A. SAN zone layout map
- B. file system usage report
- C. database relationship map
- D. volume/disk group volume layout

Correct Answer: D

QUESTION 3

A customer asks you to review a plan for installing HiCommand Protection Manager (HPtM) software to protect Microsoft Exchange 2003. You are aware that Exchange 2003 is a very critical business application for this customer. Their plan is to use one large LUN for the public store and checkpoint files and second large LUN for the mail box store and the transaction log. Which solution will provide the customer with maximum protection?

- A. The customer should use four different mounted LUNs: one for public stores, one for mailbox stores, one for checkpoint files, and one transaction log files.
- B. The customer should use three different mounted LUNs: one for public stores, one for mailbox stores and checkpoint files, and one for transaction log files.
- C. The customer should use three different mounted LUNs: one for public stores and mailbox stores, one for checkpoint files, and one for transaction log files.
- D. The customer should use four different mounted LUNs: two LUSE LUNs for public and mailbox stores, one for checkpoint files, and one for transaction log files

Correct Answer: A



QUESTION 4

Which three questions should be answered when a HORCM instance fails to start on a Solaris CCI host? (Choose three.)

- A. Is the Command Device labeled?
- B. Is the Command Device formatted?
- C. Is a SIM logged at the Storage Controller?
- D. Is the configuration file in the correct OS path?
- E. Is the Command Device path correct in the configuration file?

Correct Answer: ADE

QUESTION 5

Which statement is true about HiCommand Tiered Storage Manager?

- A. It works as a migration controller.
- B. It moves the LDEV number before copying data;
- C. Migration using Tiered Storage Manager is disruptive to the continuance of a business.
- D. Tiered Storage Manager focuses on short term improvements of a storage system's performance.

Correct Answer: A

QUESTION 6

Which two statements describe the characteristics of asynchronous replication? (Choose two.)

- A. It provides a mechanism for copying data across any distance.
- B. An incomplete operation is rolled back at both locations, guaranteeing that the remote copy is always an exact image of the primary.
- C. After a successful write of data to the primary storage system, the application continues processing without waiting for an acknowledgement of a successful write at the secondary storage.
- D. After a disruption, business operations can resume immediately at the remote site, starting from the exact point the primary site stopped. Only I/Os that were in-flight at the instant of disruption will be lost.

Correct Answer: AC

QUESTION 7



A customer has twenty LUNs to manage in a TrueCopy Extended Distance configuration. Which product would be used to manage the pool?

- A. Storage Navigator
- B. Storage Navigator Modular
- C. Command Control Interface (CCI)
- D. Disk Array Management Program (DAMP)

Correct Answer: B

QUESTION 8

A customer has concerns about the testing of a number of updates to his main application on a 30TB database. There are 5 separate changes that need to be implemented. They are urgent and need to be implemented quickly during the following week. Which solution would you recommend?

- A. Copy the entire database at the beginning of the week using ShadowImage and apply each update on a day by day basis using TrueCopy Synchronous to copy the database.
- B. Copy the entire database at the beginning of the week using Copy-On-Write and apply each update on a day by day basis using TrueCopy Synchronous to copy the database.
- C. Copy the entire database at the beginning of the week using Copy-On-Write and apply each update on a day by day basis taking a ShadowImage snapshot each time before doing so.
- D. Copy the entire database at the beginning of the week using Copy-On-Write and apply each update on a day by day basis taking a Copy-On-Write snapshot each time before doing so.

Correct Answer: D

QUESTION 9

A customer uses TrueCopy on a database and has a disaster at the primary site. Failover to the secondary site has occurred. What are two methods to help with the recovery? (Choose two.)

- A. Use the pairsplit -E command.
- B. Use the pairsplit -S command.
- C. Use the horctakeover -S command.
- D. Use the horctakeover -G command.

Correct Answer: BC

QUESTION 10

A customer has a multi-target Three Data Center (3DC) implementation to protect a mission critical UNIX application.



The production host crashes, but the array and network are still working. The customer wants to bring up the application on a host at the local data center and still maintain two remote copies of the data, What must be performed first at the local data center?

- A. Perform swap takeover for the HUR pairs.
- B. Perform swap takeover for the TrueCopy pairs.
- C. Perform Delta Resync between the local and remote arrays.
- D. Perform Delta Resync between the local and production arrays.

Correct Answer: B

QUESTION 11

On the Storage Navigator frame for a TrueCopy pair operation, the "Status" column indicates PDUB. What is the status of the pairs indicating PDUB?

- A. This is a TrueCopy LUSE status of a pair suspended error.
- B. This status indicates that the TrueCopy pair is in the initial copy.
- C. One or more LDEV pairs are SMPL on a TrueCopy LUSE volume.
- D. The status of the TrueCopy software LUSE volume is in the initial copy.

Correct Answer: C

QUESTION 12

A customer is replicating data between sites using Universal Replicator. They are using CCI at each site running on Solaris servers with korn shell; both CCI servers are also used to control ShadowImage pairs on each array. The CCI device group is named UR_db01 and each server is using the horcm2 daemon for the Universal Replicator pairs. Which two sets of commands will set the correct parameters and display the status of the Universal Replicator pairs in the CCI device group? (Choose two.)

- A. pairdisplay -g UR_db01 -IM2
- B. pairdisplay -g UR_db01 -IH2
- C. unset HORCMINST; export HORCC_MRCF=2; pairdisplay -g UR_db01
- D. export HORCMINST=2; unset HORCC_MRCF; pairdisplay -g UR_db01

Correct Answer: BD

QUESTION 13



While testing a TrueCopy Asynchronous implementation, the pairs in a Copy Group suspend unexpectedly. It is determined that the suspend is due to a sidefile puncture. Which three criteria must be considered when determining the cause of the sidefile puncture? (Choose three.)

- A. insufficient journal space
- B. insufficient cache memory
- C. remote link distance too long
- D. insufficient remote link bandwidth
- E. excessive contention on secondary Array Groups

Correct Answer: BDE

QUESTION 14

A customer has a server cluster, what are two features of a quorum disk? (Choose two.)

- A. It must reside on a RAID disk.
- B. It must be accessible by all nodes.
- C. It contains the status of all nodes in a cluster.
- D. A copy must always be available to all nodes.

Correct Answer: BC

QUESTION 15

A customer wants to permanently delete a ShadowImage environment while the primary volumes are online and the pairs are in "PAIR" state; the secondary volumes must still be usable. The customer is using Command Control Interface (CCI) and the ShadowImage device group name is SI1_db01. Which CCI command sequence should be used to permanently delete the ShadowImage pairs given the stated objectives?

- A. pairsplit -g SI1_db01 -S; pairsplit -g SI1_db01
- B. pairsplit -g SI1_db01; pairsplit -g SI1_db01 -S
- C. pairsplit -g SI1_db01 ; pairsplit -g SI1_db01 -rw
- D. pairsplit -g SI1_db01 -S; pairsplit -g SI1_db01 -rw

Correct Answer: B