Vendor: Hitachi

Exam Code: HH0-240

Exam Name: HDS Storage Manager-Business Continuity Modular

Version: Demo

Topic 1, Volume A

QUESTION NO: 1

Which three products are used to monitor the Hitachi Dynamic Provisioning (HDP) pool capacity on an HUS VM? (Choose three.)

A. Hitachi Command Suite
B. Storage Navigator
C. HiTrack Monitor
D. aupool
E. raidcom

Answer: A,B,E

QUESTION NO: 2

Which two statements regarding how users log in to Storage Navigator on an HUS VM are correct? (Choose two.)

A. A user name can only be used by one user at a time.
B. Multiple users can log in using a different user name each.
C. Multiple users can log in using the same user name.
D. A maximum of four users can log in at the same time.

Answer: A,B

QUESTION NO: 3

What are two prerequisites for virtualizing volumes on an HUS VM? (Choose two.)

A. Shared memory must be reserved for external storage operations.
B. The external storage system must be connected to one or more external ports of the HUS VM.
C. A CLPR must be created for the external storage.
D. The Universal Volume Manager license must be installed in the HUS VM.

Answer: B,D

QUESTION NO: 4

What are three functions of the SVP on an HUS VM? (Choose three.)

A. It controls access to production data.
B. It provides the maintenance LAN interface.
C. It controls the microprogram exchange process.
D. It provides CE access to the maintenance functions.
E. It communicates to the secondary SVP using the heartbeat function.

Answer: B,C,D

QUESTION NO: 5

Which CLI command can be used to add an LDEV on an HUS VM?

A. ldev create device
B. raidcom add ldev
C. auluadd
D. raidcom initialize ldev

Answer: B

QUESTION NO: 6

What happens to cache data in an HUS VM when a total power cut is experienced?

A. It is retained in cache until battery power drops to 40% then destaged to flash memory.
B. It is immediately destaged to a pre-specified HDD.
C. It is immediately destaged to flash memory.
D. It is retained in cache until battery power drops to 40% then destaged to a pre-specified HDD.

Answer: C

QUESTION NO: 7

A customer has deployed Hitachi Universal Replicator on their HUS VM systems. They would like to be alerted when their Recovery Point Objective (RPO) exceeds the business requirements. Which product would you recommend?

A. Hitachi Replication Manager
B. Hitachi Command Director
C. Business Continuity Manager
D. Hitachi Tuning Manager

Answer: A

QUESTION NO: 8

You need to replace the SVP on an HUS VM storage system. How can you collect the Audit Log Transfer Information and the User Account List of Storage Navigator?

A. Use the configuration export function of Storage Navigator.
B. Use the download function on the SVP main GUI screen.
C. Use the Storage Navigator "Transfer Audit log" function.
D. Use the download tab on the Storage Navigator Control Panel.

Answer: D

QUESTION NO: 9

A customer would like to attach an HUS VM to a SAN. They will share ports CL1-A and CL2-A with multiple operating systems. What should you create?

A. Storage Groups
B. Resource Groups
C. Logical Groups
D. Host Groups

Answer: D

QUESTION NO: 10

Your customer wants to virtualize a third-party storage system behind an HUS VM. Where can you discover the external volumes?

A. in the SVP Maintenance screen
B. in the Storage Navigator Add External Volumes screen
C. in the Hitachi Device Manager Add Subsystem screen
D. in the External Volume Manager Virtualize Volumes screen

Answer: B

QUESTION NO: 11

An HUS VM is being managed by Hitachi Command Suite (HCS), which is reporting a SIM. You want to investigate the possible causes for this message. From which location would you obtain the detailed SIM information?

A. the SVP Diagnosis screen
B. the SVP Information screen
C. the HCS Dashboard SSI screen
D. the HCS Dashboard SSA screen

Answer: B

QUESTION NO: 12

What is the purpose of the "raidcom" command on the HUS VM?

A. storage provisioning
B. preparing parts replacement
C. collecting performance data
D. setting up HiTrack communication

Answer: A

QUESTION NO: 13

When is a microcode exchange process complete on an HUS VM?

A. After the SVP has rebooted.
B. When all I/Os resume across all the mapped storage paths.
C. When the "Ready" LED turns green.
D. When the message "Normal End" is displayed.

Answer: D

QUESTION NO: 14

A customer wants to suppress page migration for a certain Hitachi Dynamic Tiering volume on an HUS VM. What should you do?

A. Set the Multi-Tier Pool to Disable.
B. Set Tier Management to Auto.
C. Set Tier Relocation to Disable.
D. Set Tier Migration to Disable

Answer: C

QUESTION NO: 15

Which two apply when performing a microcode exchange on an HUS VM? (Choose two.)

A. Update the SVP microcode last.
B. Disconnect the SVP from the customer LAN.
C. Check the SVP Maintenance Screen for any failed parts.
D. Confirm that all components are at the correct starting code level.

Answer: C,D

QUESTION NO: 16

What would you use to determine the recommended amount of cache for a specific HUS VM configuration?

A. HiFire
B. SearchLight
C. Maintenance Manual
D. HiConfig

Answer: C

QUESTION NO: 17

Which two statements describe the purpose of an action code (ACC) on the HUS VM? (Choose two.)

A. It provides a link to the Work ID.
B. It contains the SIM message.
C. It contains the part location.
D. It provides detailed error information.

Answer: A,C

QUESTION NO: 18

A storage administrator must provision storage to Windows and Linux hosts using the same ports. Which action should be performed?

A. Register Windows and Linux hosts into the same Host Group.
B. Enter host names so WWNs will be automatically populated.
C. Register Windows and Linux hosts into different Host Groups.
D. Set a LU path for hosts that are not registered in Host Groups.

Answer: C

QUESTION NO: 19

A customer has virtualized a USP behind an HUS VM. Which two actions are enabled by Universal Volume Manager? (Choose two.)

A. Format external volumes.
B. Disconnect external volumes.
C. Assign internal LDEV addresses to external volumes.
D. Migrate HUS VM volumes to the USP.

Answer: B,C

QUESTION NO: 20

You are installing a new HUS VM into your customer's SAN environment. How is the Fibre Channel topology setting adjusted?

A. using the SVP "Maintenance" screen
B. using the Storage Navigator "Port" tab
C. using the jumper block on the HUS VM Channel Adapter
D. automatically by the SVP

Answer: B

QUESTION NO: 21

A customer is using the Hitachi Command Suite to manage their HUS VM environment. The Hitachi Tiered Storage Manager license is enabled. Which tab in the GUI should you use to optimize data placement and operation for online data migration between storage tiers?

A. the Analytics tab
B. the Mobility tab
C. the Migrator tab

D. the Tiering tab

Answer: B

QUESTION NO: 22

A customer wants to migrate data from a USP to an HUS VM. When doing so, you recommend that they virtualize the USP behind the HUS VM as external storage. Which host mode should you set on the USP?

A. Linux
B. External
C. AIX
D. Windows

Answer: D

QUESTION NO: 23

An application running on a Windows server connected to an HUS VM storage system with two paths is generating mostly sequential I/O. Which algorithm should be set in Hitachi Dynamic Link Manager (HDLM) on that server?

A. Least Blocks
B. Round Robin
C. Sequential Blocks
D. Extended Least I/Os

Answer: D

QUESTION NO: 24

You need to perform an initial setup procedure on a new HUS VM system. What is required to clear the configuration data?

A. Switch off the batteries.
B. Set the maintenance DIP switches on the SVP.
C. Disconnect the battery cables.
D. Connect CE jumpers to the first MP board pair.

Answer: B

QUESTION NO: 25

A customer is using two Hitachi Dynamic Tiering (HDT) pools. Each pool contains only SAS and SATA drives. They want to purchase a Solid State Disk (SSD) RAID group and use it effectively. They are not sure into which pool to put the SSD RAID group, because they may need to move it later. Which two HDT capabilities will provide flexible use of the SSD RAID group? (Choose two.)

A. The pool can be shrunk.
B. The pool can be migrated.
C. The pool can be expanded.
D. The pool can be replicated.

Answer: A,C

QUESTION NO: 26

What are two effects of configuring LUN security on an HUS VM? (Choose two.)

A. The secured LUNs will be write protected.
B. Un-registered Open Systems hosts cannot access the data on the secured LUNs.
C. If LUN security is applied to a particular port, only hosts with the same operating system installed can connect to that port.
D. If LUN security is applied to a particular port, that port can only be accessed from hosts registered within this port's Host Groups.

Answer: B,D

QUESTION NO: 27

Which two activities can be performed in an HUS VM storage system without interrupting user access to data? (Choose two.)

A. upgrading Cache Memory from 64 GB to 128 GB
B. running the CUDG4 (Control Unit Diagnosis) test
C. changing the DKC emulation type
D. replacing the DKB

Answer: A,D

QUESTION NO: 28

Which two statements are correct regarding the Shared Memory (SM) in a HUS VM ? (Choose two.)

A. The SM data is stored in the Main board.
B. The SM data is stored in the MP board.
C. The SM is combined with the Cache Memory.
D. The SM and the Cache Memory are on different boards.

Answer: A,C

QUESTION NO: 29

Which three statements describe the SVP of the HUS VM? (Choose three.)

A. It has a display and a keyboard.
B. It has access to user data stored on the system.
C. It collects performance data for all key components of the system.
D. It enables the service representative to configure, maintain and upgrade the system.
E. It allows for communication with a service center for remote maintenance of the system.

Answer: C,D,E

QUESTION NO: 30

A customer wants to de-install a USP which is currently virtualized behind an HUS VM. They have stopped the Host I/O to the affected LUNs and have unmounted them. What is the next sequence?

A. Delete LUN Paths > power off the USP
B. Switch off cache mode for the external volumes > power off the USP
C. Perform Disconnect External Storage for the USP > disconnect the external volumes > power off the USP
D. Delete LUN Paths > perform Disconnect External Storage for the USP > delete the external volumes > power off the USP

Answer: D

QUESTION NO: 31

What are two HDD types supported in the HUS VM? (Choose two.)

A. SAS
B. FC
C. SSD
D. SATA

Answer: A,C

QUESTION NO: 32

What is Hitachi Data System's recommended practice for zoning?

A. port-based zoning
B. zoning is optional
C. single initiator zoning -- one HBA per zone
D. single operation system zoning -- all HBAs from one OS in a zone

Answer: C

QUESTION NO: 33

What is the purpose of the System Assurance Document?

A. to ensure accurate and complete record of pre-installation data
B. to guarantee that HDS equipment is insured during transportation
C. to inform a channel partner that equipment is available for shipment
D. to validate configuration changes for customers with a premium service contract

Answer: A

QUESTION NO: 34

A customer has purchased Universal Replicator for their existing HUS VM array. Which section of the HUS VM Storage Navigator is used to enable this software?

A. Program Product Enablement settings
B. Universal Replicator settings
C. PLK Management settings
D. License Key settings

Answer: D

QUESTION NO: 35

A customer wants to install an Emulex HBA in a server to access storage in an HUS VM system. Where would you verify that the given configuration is supported?

A. HUS VM Maintenance Manual
B. HDS HBA Implementation Guide
C. Storage Navigator User's Guide
D. HiFire on HDS intranet/extranet

Answer: D

QUESTION NO: 36

Your customer wants to connect multiple servers with different operating systems to the same port on an HUS VM. What is the first step when configuring the port?

A. Map a LUN.
B. Register a WWPN.
C. Enable Port Security.
D. Create a Host Group.

Answer: C

QUESTION NO: 37

How many FICON ports are configurable in an HUS VM?

A. 0
B. 4
C. 8
D. 16

Answer: A

QUESTION NO: 38

After opening a case with the Hitachi Data Systems technical support center, you have been asked to collect error information. How do you send the collected data to the technical support center?

A. Upload to ftp://ftp.hds.com.
B. Upload to https://tuf.hds.com.
C. Upload to http://www.hds.com.
D. Send an email to techsup@hds.com.

Answer: B

QUESTION NO: 39

What are three valid license key types on HUS VM storage systems? (Choose three.)

A. emergency
B. temporary
C. term
D. primary
E. secondary

Answer: A,B,C

QUESTION NO: 40

A customer is using an HUS VM storage system with clustered servers in an active/passive relationship. What must be done in Hitachi Dynamic Link Manager (HDLM) to ensure that the status of inactive paths on both passive and active nodes is monitored regularly?

A. Switch on Auto Failback.
B. Switch on Path Health Check.
C. Set the reservation level to 2.
D. Set up Intermittent Error Monitoring.

Answer: B

QUESTION NO: 41

Which step must be performed when preparing for Hitachi Dynamic Provisioning operations?

A. Create Pool Vol LDEVs.
B. Map Pool Vol LDEVs to FED ports.
C. Cross-link the mapping tables.
D. Create a CLPR for pool LDEVs.

Answer: A

QUESTION NO: 42

A storage administrator would like to connect 10 hosts into the same FC ports of an HUS VM. They are concerned that one host with high I/Os will impact the other hosts on the same FC ports. Which HBA parameter should be set to limit the number of outstanding I/Os on each host?

A. queue depth
B. command length
C. command depth
D. queue length

Answer: A

QUESTION NO: 43

You are using Hitachi Dynamic Tiering (HDT) on an HUS VM. What does HDT monitor to determine if reallocation is needed?

A. Page
B. DP-Vol
C. Parity Group
D. Allocated Capacity

Answer: A

QUESTION NO: 44

A customer plans to use LUN security on a port that will have five Host Groups containing one server and one LUN each. You tell them that it is not recommended to use Host Group 00 in this configuration. What is the reason?

A. If LUN security is accidentally disabled, Host Group 00 gets deleted.
B. If LUN security is accidentally disabled, all Host Groups including Host Group 00 will be deleted on this port.
C. If LUN security is accidentally disabled, all the servers attached to this port will be able to access all the LUNs registered to this port.
D. If LUN security is accidentally disabled, all the servers attached to this port will be able to access the LUNs registered in Host Group 00.

Answer: D

QUESTION NO: 45

A customer receives a used HUS VM system which requires an initial setup procedure. Which two operations would you perform during this procedure? (Choose two.)

A. Import a Constitute file.
B. Define Configuration and Install.
C. Load the system configuration file.
D. Use the Configuration File Loader.

Answer: B,C

QUESTION NO: 46

You plan to use the raidcom command to create new LDEVs in an HUS VM. Which two actions are required before you use this command? (Choose two.)

A. Create a command device LDEV.
B. Install RAID Manager/CCI in client host.
C. Install the TrueCopy license.
D. Create a RAID Manager/CCI configuration file.

Answer: B,D

QUESTION NO: 47

What are two features of the HUS VM? (Choose two.)

A. high performance using single-core processors
B. balanced workload across management processors
C. no SVP required
D. HDT and HDP support

Answer: B,D

QUESTION NO: 48

You arrive onsite to replace an HDD on an HUS VM system because of a HDD port failure. Which two actions should you perform before replacing the drive? (Choose two.)

A. Verify that the HDD has been spared out.
B. Manually start the dynamic sparing procedure.
C. Confirm the HDD microcode version.
D. Set the SVP to Install Mode.

Answer: A,B

QUESTION NO: 49

What are two effects of enabling the Hitachi Dynamic Tiering (HDT) function in the Shared Memory configuration screen? (Choose two.)

A. There will be a performance impact.
B. Write Through Mode will be enabled for the entire cache.
C. Host ports will be disabled one cluster at a time.
D. All write pending data will be destaged.

Answer: A,C

QUESTION NO: 50

With which two products does Hitachi Tuning Manager integrate? (Choose two.)

A. Device Manager
B. Protection Manager
C. Replication Manager
D. Tiered Storage Manager

QUESTION NO: 51

Which two are used when creating a new Host Group on a given HUS VM port? (Choose two.)

A. queue depth
B. IP address
C. WWPN
D. operating system

Answer: C,D

QUESTION NO: 52

What is the maximum number of Cache Logical Partitions in an HUS VM with 18 GB of usable cache?

A. 3
B. 4
C. 6
D. 9

Answer: B

QUESTION NO: 53

A customer wants to create a new CLPR in their HUS VM. Why would you recommend performing this change during a period of low activity?

A. Because all Host I/Os must be stopped when resources are migrated to the new CLPR.
B. Because adding a CLPR may take a long time and can impact production.
C. Because the LUNs to be moved to the new CLPR must be unmounted or unmapped.
D. Because the HUS VM cache is in Write Through Mode during the creation of new CLPRs.

Answer: B

QUESTION NO: 54

A customer is deploying new HUS VM systems for various servers and operating systems. During the planning stage, Hitachi Dynamic Link Manager (HDLM) is identified as the preferred path management software on the AIX servers. Which two must you include in a prerequisite check list prior to deploying HDLM on the AIX servers? (Choose two.)

A. Check that the Object Data Manager (ODM) is installed.
B. De-install 3rd-party multi-pathing software.
C. Check that Hitachi Device Manager is compatible with HDLM.
D. Check the operating system levels and fix packs against the release notes.

Answer: A,D

QUESTION NO: 55

Hitachi Dynamic Link Manager (HDLM) has been configured on a Solaris 10 server with 8 LUNs configured across two paths. You want to verify the number of LUNs and the path assignments. Which command would you use?

A. dlnkmgr check -path
B. dlnkmgr view -path -c
C. dlnkmgr disp -lun -path
D. dlnkmgr show -stinfo -t

Answer: B

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