

**Hitachi HH0-130**

**Hitachi Data Systems Storage Foundations Exam**

**Version: 4.0**

**QUESTION NO: 1**

A drive within a HUS system reaches its read error threshold. What will happen to the data on that drive?

- A. Data from the failing drive must be restored from backup.
- B. Data from the failing drive will be locked until the failing drive is replaced.
- C. Data from the failing drive will be copied to a suitable spare if one is available.
- D. The drive is powered off immediately and the data is reconstructed from parity.

**Answer: C**

**Explanation:**

**QUESTION NO: 2**

What are two characteristics of Dynamic Sparing on HUS systems? (Choose two.)

- A. Spares can be in any drive slot.
- B. Spares must be in the first expansion tray.
- C. Spares must be in a high density expansion tray.
- D. After a drive replacement the new drive is the spare by default.

**Answer: A,D**

**Explanation:**

**QUESTION NO: 3**

A customer wants to virtualize a new SATA modular storage array and must ensure that virtualizing the new array will have no effect on internal Tier 1 applications on their VSP. What should the customer do?

- A. Install additional RAID Groups for the Tier 1 applications.
- B. Create a cache logical partition for the new storage.
- C. Configure additional initiator ports for the new storage.
- D. Create a system logical partition for the Tier 1 application.

**Answer: B**

**Explanation:**

**QUESTION NO: 4**

A customer is deploying a new OLTP database on a VSP that will have a high performance requirement. They are considering using SSD flash drives, but would like to avoid putting the entire database on SSD. SAS drives will be sufficient for the majority of the workload. Which Hitachi product would you recommend?

- A. Hitachi Tuning Manager
- B. Hitachi Dynamic Tiering
- C. Hitachi Dynamic Provisioning
- D. Hitachi Tiered Storage Manager

**Answer: B**

**Explanation:**

**QUESTION NO: 5**

What are two results when license keys expire? (Choose two.)

- A. No new configuration settings may be performed.
- B. Configuration changes are permitted for a period of 24 hours after expiration.
- C. Configuration settings that were made before the temporary license key expired remain in effect and cannot be modified.
- D. Configuration settings that were made before the temporary license key expired will revert back to their original settings.

**Answer: A,C**

**Explanation:**

**QUESTION NO: 6**

Which two functions are performed by the Virtual Storage Director (VSD) on the VSP? (Choose two.)

- A. It controls I/O operations for the currently owned LDEVs.
- B. It queries all user data to verify that data is placed on the appropriate tier.
- C. It executes the code for target,external,BED,initiator and RCU target modes.
- D. It enables hardware based virtualization by allowing SAN connectivity directly to the external director ports.

**Answer: A,C**

**Explanation:****QUESTION NO: 7**

A HUS VM customer requires a tool set to gather and report on application service level objectives and storage performance. Which package should the customer use?

- A. HUS VM Virtual Partition Manager Package
- B. HUS VM Analytics Package
- C. HUS VM Mobility Package
- D. HUS VM Local Protection Package

**Answer: B****Explanation:****QUESTION NO: 8**

What are two advantages of using Hitachi Dynamic Provisioning (HDP) on HUS systems? (Choose two.)

- A. It pre-allocates the pools for new DP volumes.
- B. It enables efficient use of disk space.
- C. It accelerates the creation of volumes.
- D. It enables dynamic migration of data between storage tiers.

**Answer: B,C****Explanation:****QUESTION NO: 9**

A customer is evaluating enterprise storage arrays from various vendors and requires that their mission critical data must be encrypted while at rest. What is required on the VSP to satisfy this requirement?

- A. a license key
- B. 2.5" self-encrypting drives for the capacity required
- C. a key-generating encryption option on each SAS link
- D. encryption Back-End Directors (eBEDs) for dynamic encryption

**Answer: A**

**Explanation:**

**QUESTION NO: 10**

What are two core functions of Hitachi Tuning Manager? (Choose two.)

- A. It extracts performance data for analysis.
- B. It displays configuration and capacity data.
- C. It migrates data based on storage performance.
- D. It distributes workloads across paths automatically.

**Answer: A,B**

**Explanation:**

**QUESTION NO: 11**

Which HUS VM storage system function would be used to pro-actively resolve a hard disk drive problem once its error threshold is exceeded?

- A. Background Data Restoration
- B. Correction Copy
- C. Dynamic Sparring
- D. Correction Access

**Answer: C**

**Explanation:**

**QUESTION NO: 12**

Which two products can be used to script ShadowImage replication functions for a HUS system? (Choose two.)

- A. Hitachi Data Replicator (HDR)
- B. RAID Manager/CCI
- C. Storage Navigator Modular 2 (SNM2) CLI
- D. Business Continuity Manager (BCM)

**Answer: B,C**

**Explanation:**

**QUESTION NO: 13**

Which information can you obtain with Storage Navigator 2 on a VSP? (Choose two.)

- A. license keys
- B. parity groups
- C. replication consistency groups
- D. HDP page space allocation

**Answer: A,B**

**Explanation:**

**QUESTION NO: 14**

A customer wants to replicate a Hitachi Content Platform (HCP) to a backup location. Which method does the HCP use to ensure data integrity?

- A. Common Data Integrity Method
- B. Object-oriented replication
- C. First-In-First-Out algorithm
- D. Block-oriented replication

**Answer: B**

**Explanation:**

**QUESTION NO: 15**

What are two features of the Hitachi NAS Platform? (Choose two.)

- A. built-in RAID 6 storage
- B. SAN-based file serving
- C. active-active clustering support
- D. FPGA optimized for data movement

**Answer: C,D**

**Explanation:****QUESTION NO: 16**

What are two reasons why a customer would want to use Host Groups on a HUS system?  
(Choose two.)

- A. to manage host access to the volumes
- B. to unify logical units into larger volumes
- C. to enforce consistency between TrueCopy volumes
- D. to prevent hosts writing disk signatures on volumes which do not belong to them

**Answer: A,D**

**Explanation:****QUESTION NO: 17**

A customer would like to deploy a new HUS system with Hitachi Dynamic Provisioning (HDP). They would like to control the amount of over provisioning from their HDP Pools by not allowing more DP-Vols to be created beyond a certain percentage. Which over-provisioning threshold can an administrator configure to achieve this?

- A. Early Alert
- B. Warning
- C. Limit
- D. Depletion Alert

**Answer: C**

**Explanation:****QUESTION NO: 18**

Which three actions can Hitachi Tuning Manager perform when an alarm is triggered? (Choose three.)

- A. Send an SMS.
- B. Notify users by e-mail.
- C. Send SNMP traps.

- D. Dial out to the support center.
- E. Execute commands.

**Answer: B,C,E**

**Explanation:**

#### **QUESTION NO: 19**

Which RAID level would provide optimal performance for sequential read I/O while also providing data protection?

- A. RAID 0 (8D)
- B. RAID 6 (6D+2P)
- C. RAID 5 (7D+1P)
- D. RAID 1 (2D+2D)

**Answer: C**

**Explanation:**

#### **QUESTION NO: 20**

Which type of protocol is used by the Back-End Directors (BEDs) in the VSP?

- A. FC
- B. SAS
- C. FCoE
- D. iSCSI

**Answer: B**

**Explanation:**

#### **QUESTION NO: 21**

A customer has just purchased a HUS system that is to be used as external storage behind a VSP. Which condition must be met for volumes to be virtualized?

- A. Volumes must be at least 100 GB in size.
- B. Volumes must be mapped to VSP external ports.