



Free Questions for HQT-4420

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Question 1

Question Type: MultipleChoice

Which two statements are true about encryption for data at rest on an HCP system? (Choose two.)

Options:

- A- The encryption key is displayed several times during the installation process.
- B- SSH connection must be used to enable encryption during the installation process.
- C- You must run the install program as root.
- D- Once enabled, encryption cannot be disabled.

Answer:

C, D

Explanation:

You must run the install program as root (C): To enable encryption for data at rest on an HCP system, the installation program must be executed with root privileges. Running the installation as root ensures that the program has the necessary permissions to configure encryption settings and other critical system operations, such as accessing low-level disk management functions and securing data at rest.

Once enabled, encryption cannot be disabled (D): In the HCP system, once encryption is enabled for data at rest, it cannot be disabled. This is a security feature designed to ensure that sensitive data remains protected throughout its lifecycle on the platform. Disabling encryption after it has been enabled would pose significant security risks, hence the system is designed to prevent this action to maintain data integrity and security.

Other options, like the encryption key being displayed several times during installation (A) or the use of SSH to enable encryption (B), are not applicable to the HCP installation and encryption process. The encryption key is carefully protected, and SSH is not specifically required for enabling encryption.

Hitachi Vantara HCP Installation and Configuration Guide

Hitachi Vantara HCP Security Best Practices Guide

Question 2

Question Type: MultipleChoice

What does the HCP Data Protection Level setting identify?

Options:

- A- the number of copies of object metadata to be maintained by the system
- B- the RAID type used to store object metadata in the system
- C- the RAID type used to store an object in the system
- D- the number of copies of an object to be maintained by the system

Answer:

D

Explanation:

The HCP Data Protection Level setting identifies the number of copies of an object that the system maintains. This setting allows administrators to specify how many redundant copies of each object are stored across the system's nodes or storage devices, ensuring data durability and protection against hardware failures. The number of copies can be adjusted to meet the desired level of data protection according to the organization's policy. This is explained in detail in the 'HCP System Management and Configuration Guide.'

Question 3

Question Type: MultipleChoice

What is required to configure host group security on a new HCP G10 with attached storage?

Options:

- A- MAC address of the back-end NICs
- B- MAC address of the front-end NICs
- C- World Wide Port Name
- D- World Wide Node Name

To configure host group security on a new HCP G10 with attached storage, the World Wide Port

Name (WWPN) is required. The WWPN is a unique identifier for each Fibre Channel port in a storage area network (SAN) environment. It is used to configure access control and define which hosts can communicate with specific storage resources. This setting ensures that only authorized hosts can access the storage, enhancing the overall security of the HCP system. This requirement is documented in the 'Hitachi Vantara HCP G10 Storage Configuration Guide.'

Answer:

A

Question 4

Question Type: MultipleChoice

How should the RAID group(s) and logical volume(s) be configured on an HCP G10 node with six internal drives?

Options:

- A- a single RAID group with a single logical volume
- B- a single RAID group with three logical volumes.
- C- three RAID groups each with a single logical volume
- D- three RAID groups each with three logical volumes

Answer:

A

Explanation:

On an HCP G10 node with six internal drives, the recommended configuration is to create a single RAID group with a single logical volume. This setup maximizes the available storage capacity and provides a balanced approach to data protection, performance, and management simplicity. By using a single RAID group, the HCP system can efficiently manage data redundancy and integrity across all drives.

Hitachi Vantara Content Platform Installation Reference:

Configuring a single RAID group with a single logical volume simplifies management and provides optimal performance and redundancy, which aligns with the best practices for setting up an HCP G10 node.

Question 5

Question Type: MultipleChoice

Which combination of trays allows a HCP S31 to be configured to its maximum capacity?

Options:

- A- 1 x 4U106 and 2 x 4U100
- B- 1 x 4U100 and 8 x 4U106
- C- 1 x 4U100 and 2 x 4U106
- D- 1 x 4U100 and 1 x 4U106



Answer:

B

Explanation:

To configure an HCP S31 to its maximum capacity, the combination of 1 x 4U100 and 8 x 4U106 trays is used. The 4U100 is a 4U enclosure that can hold 100 drives, while the 4U106 is another 4U enclosure that holds 106 drives. This combination allows for the highest possible storage density and capacity, leveraging the different tray sizes to maximize the total available storage.

Hitachi Vantara Content Platform Installation Reference:

The configuration maximizes the storage capacity supported by the HCP S31 system, as specified in the installation and hardware configuration guidelines.



Question 6

Question Type: MultipleChoice

You are performing a six-drive upgrade of an HCP G10 with local storage.

Which two statements are true? (Choose two.)

Options:

- A- RAID level and Virtual Disks will be created automatically
- B- The node is offline during this procedure
- C- The node is online during this procedure
- D- RAID level and Virtual Disks need to be manually created

Answer:

A, C

Explanation:

When performing a six-drive upgrade on an HCP G10 with local storage:

RAID level and Virtual Disks will be created automatically (A): This is correct. The system automatically handles the RAID configuration and creation of virtual disks to ensure that the new drives are correctly integrated into the existing storage structure.

The node is online during this procedure (C): This is also correct. The upgrade can be performed while the node remains online, minimizing disruption to the system's operation and ensuring continuous availability. These procedures are documented in the 'HCP G10 Maintenance and Upgrade Guide,' which outlines the steps for online upgrades and automatic RAID configuration.

Question 7

Question Type: MultipleChoice

After adding new nodes to an HCP G10 system, which two actions should be performed? (Choose two.)

Options:

- A- Upgrade the new nodes software
- B- Run the capacity balancing service
- C- Adjust the region count
- D- Reboot all the new nodes

Answer:

A, B

Explanation:

After adding new nodes to an HCP G10 system, the following actions should be performed:

Upgrade the new nodes' software: Ensuring that the newly added nodes are running the same software version as the existing nodes is essential for compatibility and stability within the cluster.

Run the capacity balancing service: This service redistributes data across all nodes in the cluster to ensure balanced storage utilization and optimal performance, especially after the addition of new nodes.

Hitachi Vantara Content Platform Installation Reference:

These steps are necessary to maintain consistency, stability, and efficient use of resources within the HCP system after scaling up by adding new nodes.

Question 8

Question Type: MultipleChoice

Your customer wants to order an HCP G10 system with 2 PB usable capacity.

Which HCP G10 configuration is the most cost-effective solution for this customer?

Options:

- A- HCP G10 with local storage and eight S10 nodes
- B- HCP G10 with local storage and one S30 node
- C- HCP G10 with a VSP G200 and four S10 nodes
- D- HCP G10 with a VSP G600

Answer:

B

Explanation:

The most cost-effective solution for a customer requiring 2 PB of usable capacity is HCP G10 with local storage and one S30 node (B). This configuration leverages the local storage of the G10 along with the large storage capacity provided by the S30 node, which is optimized for large-scale, cost-effective storage. The S30 node can store a significant amount of data, making it a

suitable choice for achieving the required capacity with fewer nodes, reducing costs. The 'HCP G10 and S30 Configuration and Sizing Guide' provides more details on cost-effective configurations for various capacity requirements.

Question 9

Question Type: MultipleChoice

What is the maximum number of drives supported in one HCP S10 enclosure?

Options:

- A- 24
- B- 30
- C- 60
- D- 128

Answer:

C

Explanation:

The maximum number of drives supported in one HCP S10 enclosure is 60. The S10 enclosure is designed to accommodate a large number of drives to provide significant storage capacity in a relatively compact form factor. This drive density is essential for scaling storage in environments that require large data volumes. This configuration is detailed in the 'HCP S10 Hardware Configuration Guide,' which outlines the specifications and capacities of the S10 enclosures.

Question 10

Question Type: MultipleChoice

You need to convert the installation media ISO image to a bootable USB drive.

Which tool from the "HCP-G10-Tools" package should you use?

Options:

- A- Bootflash
- B- Flashwrite64
- C- Rawflash
- D- Rawrite32

Answer:

D

Explanation:

To convert the installation media ISO image to a bootable USB drive, the 'Rawrite32' tool from the 'HCP-G10-Tools' package should be used. Rawrite32 is specifically designed to write ISO images to USB drives, creating a bootable medium for installing or upgrading the HCP system. This tool is commonly used for preparing installation media in Hitachi Vantara environments and is documented in the 'HCP G10 Installation Preparation Guide.'

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Question 11

Question Type: MultipleChoice

You are installing an HCP G10 and are setting up the BIOS.

What are two requirements when configuring in the BIOS? (Choose two.)

Options:

- A- The BMC IP address, net mask and gateway should be set
- B- Fast boot should be enabled
- C- PXE should be disabled for all interfaces
- D- The OS virtual disk should be selected as boot device

Answer:

A, D

Explanation:

When setting up the BIOS for an HCP G10, two key requirements are:

The BMC (Baseboard Management Controller) IP address, net mask, and gateway should be set: This configuration enables remote management and monitoring of the HCP G10 node, allowing administrators to manage the node even when the operating system is not running.

The OS virtual disk should be selected as the boot device: This ensures that the node boots from the correct storage device where the operating system is installed, which is essential for the system to operate correctly.

Hitachi Vantara Content Platform Installation Reference:

Proper configuration in the BIOS is critical for managing and booting the HCP G10 node effectively, as outlined in the installation instructions.



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