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QUESTION 1

A server administrator is connecting a new storage array to a server. The administrator has obtained multiple IP addresses for the array. Which of the following connection types is the server MOST likely using to connect to the array?

- A. eSATA
- B. USB
- C. FC
- D. iSCSI

Correct Answer: D

Based on the multiple IP addresses obtained for the storage array, the server is most likely using the iSCSI (Internet Small Computer System Interface) connection type to connect to the array. iSCSI is a protocol that allows SCSI commands to be sent over IP networks, and it typically uses IP addresses to identify and connect to storage devices over a network.

Option A (eSATA) and B (USB) are both direct-attached storage (DAS) connection types that use a cable to connect the storage device directly to the server, rather than over a network. Option C (FC) is Fibre Channel, which is a network protocol for connecting storage devices to servers over a high-speed Fibre Channel network, but it typically uses Fibre Channel addresses (WWNs) rather than IP addresses to identify and connect to devices.

QUESTION 2

Alter rack mounting a server, a technician must install four network cables and two power cables for the server. Which of the following is the MOST appropriate way to complete this task?

- A. Wire the four network cables and the two power cables through the cable management arm using appropriate-length cables.
- B. Run the four network cables up the left side of the rack to the top of the rack switch. Run the two power cables down the right side of the rack toward the UPS.
- C. Use the longest cables possible to allow for adjustment of the server rail within the rack.
- D. Install an Ethernet patch panel and a PDU to accommodate the network and power cables.

Correct Answer: B

This is the most appropriate way to complete the task because it follows the best practices of cable management. Cable management is a process of organizing and securing cables in a rack or a server room to improve airflow, accessibility, safety, and aesthetics. Running the network cables up the left side and the power cables down the right side of the rack helps to avoid cable clutter, interference, and confusion. It also makes it easier to trace and troubleshoot cables if needed. Using appropriate-length cables also helps to reduce cable slack and excess. Wiring the cables through the cable management arm may cause stress and damage to the cables when moving the server in or out of the rack. Using the



longest cables possible may create cable loops and tangles that can block airflow and increase fire hazards. Installing an Ethernet patch panel and a PDU (Power Distribution Unit) may be useful for accommodating more network and power

cables, but not necessary for a single server.

References:

<https://www.howtogeek.com/303282/how-to-manage-your-pcs-fans-for-optimal-airflow-and-cooling/>

<https://www.howtogeek.com/303290/how-to-properly-manage-your-cables/>

QUESTION 3

A technician is deploying a single server to monitor and record the security cameras at a remote site, which of the following architecture types should be used to minimize cost?

- A. Virtual
- B. Blade
- C. Tower
- D. Rack mount

Correct Answer: C

A tower server is a type of server architecture that is best suited to minimize cost when deploying a single server to monitor and record the security cameras at a remote site. A tower server is a standalone server that has a similar form factor and design as a desktop computer. It does not require any special mounting equipment or rack space and can be placed on or under a desk or table. A tower server is suitable for small businesses or remote offices that need only one or few servers for basic tasks such as file sharing, print serving, or security monitoring. A tower server is usually cheaper and easier to maintain than other types of servers, but it may have lower performance, scalability, and redundancy features. A virtual server is a type of server architecture that involves creating and running one or more virtual machines on a physical host using a hypervisor such as Hyper-V or VMware. A virtual server can reduce hardware costs and improve flexibility and efficiency, but it requires additional software licenses and management tools. A blade server is a type of server architecture that involves inserting multiple thin servers called blades into a chassis that provides power, cooling, network, and management features. A blade server can improve performance, density, and scalability, but it requires more initial investment and specialized equipment. A rack mount server is a type of server architecture that involves mounting one or more servers into standardized frames called racks that provide power, cooling, network, and security features

QUESTION 4

A server administrator is installing a new server on a manufacturing floor. Because the server is publicly accessible, security requires the server to undergo hardware hardening. Which of the following actions should the administrator take?

- A. Close unneeded ports.
- B. Disable unused services.
- C. Set a BIOS password.



D. Apply driver updates.

Correct Answer: C

QUESTION 5

A server administrator notices the `/var/log/audit/audit.log` file on a Linux server is rotating too frequently. The administrator would like to decrease the number of times the log rotates without losing any of the information in the logs. Which of the following should the administrator configure?

- A. Increase the audit.log file size in the appropriate configuration file.
- B. Decrease the duration of the log rotate cycle for the audit.log file.
- C. Remove the log rotate directive from the audit.log file configuration.
- D. Move the audit.log files to a remote syslog server.

Correct Answer: A

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