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Version: DEMO

QUESTION 1

A system administrator must select a different boot device or access diagnostic tools during a warm reboot of a Dell PowerEdge server. Which PowerEdge utility allows administrators to choose boot options and launch diagnostic utilities during server startup?

- A. Utilize the Dell Lifecycle Controller for diagnostics.
- B. Launch the Dell OpenManage Enterprise Boot Services.
- C. Access the Boot Manager to select boot options.
- D. Utilize the System Setup for boot option selection.

Answer: C

Explanation:

The Boot Manager on Dell PowerEdge servers allows administrators to select an alternate boot device, access diagnostic tools, or modify boot settings during a warm reboot, providing flexibility without entering the full system setup.

QUESTION 2

Which PSU LED functionality is identical to all generations of servers?

- A. Alternately blinking amber light and white light.
- B. LED pause blinking for 1 to 9 times when the LED light is a white color.
- C. LED blinking 1 to 9 times when the LED light is an amber color.
- D. LED blinking in a 4 Hz interval during a firmware update until the process is complete.

Answer: C

Explanation:

Across all Dell PowerEdge server generations, the PSU LED blinking 1 to 9 times in amber indicates specific fault or warning codes, providing a consistent method for identifying power supply issues.

QUESTION 3

Where is the certificate used by SVC signed?

- A. In the system's CMOS battery
- B. In the Dell factory
- C. In the operating system registry
- D. In the server BIOS during boot

Answer: B

Explanation:

The SVC (System Verification Certificate) used in Dell PowerEdge servers is signed at the Dell factory, ensuring its authenticity and that the server hardware meets factory-verified standards before shipping.

QUESTION 4

A business requires a storage protocol for their enterprise servers that can handle substantial storage and backup workloads and is compatible with SATA technology. Which protocol is ideal for enterprises needing significant storage and backup and is compatible with SATA?

- A. NVMe
- B. SAS

- C. iSCSI
- D. EDSFF

Answer: B

Explanation:

SAS (Serial Attached SCSI) is an enterprise-grade storage protocol that supports high-capacity storage and backup workloads while being compatible with SATA drives, making it ideal for large-scale enterprise environments.

QUESTION 5

A data center technician is troubleshooting a server where multiple hard drives have become unresponsive simultaneously. Which server component failure is MOST likely to cause disconnection of multiple hard drives at once?

- A. CPU failure
- B. PERC controller failure
- C. Individual hard drive failure
- D. The backplane failure

Answer: D

Explanation:

The backplane connects multiple hard drives to the server's storage controller. If the backplane fails, all drives connected through it can become unresponsive simultaneously, making it the most likely cause of multiple-drive disconnections.

QUESTION 6

A data center is designing its server deployment strategy and wants to minimize the usage of PCIe slots for network cards to maximize expansion for other components. Which advantage of the Open Compute Project (OCP) card best supports the goal of conserving PCIe slots for other expansion needs?

- A. OCP cards offer higher network speeds than regular PCIe cards.
- B. OCP cards are hot-swappable, simplifying maintenance without downtime.
- C. OCP cards do not consume standard PCIe expansion slots.
- D. OCP cards integrate video and USB ports, saving rear I/O space.

Answer: C

Explanation:

OCP (Open Compute Project) network cards are designed to connect directly to a dedicated OCP slot or mezzanine connector on the server motherboard, which means they do not occupy standard PCIe expansion slots, allowing those slots to remain available for other components.

QUESTION 7

An administrator needs a dedicated RAID solution for booting the server operating system, using fast NVMe drives and iDRAC management capabilities. Which Boot Optimized Storage Solution is a RAID card designed for booting server OS, using one or two M.2 NVMe drives and managed by iDRAC?

- A. NVDIMM
- B. PERC
- C. Intel Optane DC Persistent Memory

D. BOSS

Answer: D

Explanation:

Dell's BOSS (Boot Optimized Storage Solution) is a dedicated RAID card designed specifically for booting the server operating system. It uses one or two M.2 NVMe drives and integrates with iDRAC for management, providing reliable and high-performance boot storage.

QUESTION 8

An administrator attempts to log in to the iDRAC interface of a server using a web browser. The iDRAC prompts for a username and password. What security process is the iDRAC initiating by requesting these login credentials?

- A. Configure system lockdown mode.
- B. Implement role-based access control.
- C. Perform user authentication.
- D. Establish user authorization levels.

Answer: C

Explanation:

When iDRAC prompts for a username and password, it is performing user authentication - verifying the identity of the person attempting to access the management interface before granting any access.

QUESTION 9

An administrator must gracefully shut down an ESXi host. Which interfaces provide options for initiating this shutdown?

Identify the interfaces from which an ESXi host shutdown can be initiated.

- A. Exclusively using CLI commands on the ESXi host
- B. CLI commands, Direct Console User Interface (DCUI), vSphere client and web client
- C. Only through vSphere client and web client
- D. Solely from the Direct Console User Interface (DCUI) of ESXi

Answer: B

Explanation:

An ESXi host can be gracefully shut down using multiple interfaces: CLI commands directly on the host, the Direct Console User Interface (DCUI), or remotely via the vSphere client and web client, providing administrators flexibility in management.

QUESTION 10

Which iDRAC feature enables administrators to directly connect a laptop for initial server implementation and IP configuration?

- A. Access iDRAC Auto Discovery for automatic IP assignment.
- B. Use iDRAC Direct for laptop connection and initial setup.
- C. Utilize the iDRAC Virtual Console for direct IP setup.
- D. Employ iDRAC Remote File Share for initial configuration.

Answer: B

Explanation:

iDRAC Direct allows administrators to connect a laptop directly to the server using a USB or dedicated port for initial server implementation, including IP configuration and basic setup, without requiring network connectivity.

QUESTION 11

Which open-source operating system is recommended as an alternative for file sharing, supporting NFS and Samba on Dell PowerEdge servers?

- A. Ubuntu
- B. Kali Linux
- C. Red Hat Linux
- D. SUSE Linux

Answer: A

Explanation:

Ubuntu is a widely used open-source operating system that supports file-sharing protocols like NFS and Samba, making it a recommended alternative for Dell PowerEdge servers in networked storage and file-sharing environments.

QUESTION 12

A company wants to run multiple operating systems on the same server without the overhead of a host operating system. Which type of solution should they use?

- A. Containerization
- B. Cloud-based virtualization
- C. Type 2 hypervisor
- D. Type 1 hypervisor

Answer: D

Explanation:

A Type 1 hypervisor (bare-metal) runs directly on the server hardware without requiring a host OS, allowing multiple operating systems to operate efficiently on the same server with minimal overhead.

QUESTION 13

A large enterprise requires a server that can handle high-performance computing tasks and large-scale virtualization. Which type of Dell PowerEdge server should they consider?

- A. Deploy a modular server.
- B. Deploy a rack server.
- C. Deploy a tower server.
- D. Deploy a micro server.

Answer: B

Explanation:

Rack servers, such as Dell PowerEdge rack-mount models, are designed for high-performance computing and large-scale virtualization, offering high-density compute, memory, and storage in a data center-optimized form factor.

QUESTION 14

What is indicated by a blinking blue system ID LED on a PowerEdge server?

- A. The system is in fail-safe mode.
- B. The System ID mode is active.
- C. The system is turned off.
- D. The system is experiencing a fault.

Answer: B

Explanation:

A blinking blue System ID LED on a Dell PowerEdge server indicates that System ID mode is active, helping administrators visually identify a specific server within a rack or data center.

QUESTION 15

Which firmware interface is known for providing faster boot times?

- A. GPT
- B. CMOS
- C. MBR
- D. BIOS
- E. UEFI

Answer: E

Explanation:

UEFI (Unified Extensible Firmware Interface) provides faster boot times compared with legacy BIOS by offering a more efficient initialization process and support for modern hardware and larger storage devices.

QUESTION 16

An administrator is tasked with updating firmware on several remote servers without interrupting the operating system. Which method should they use?

- A. Utilize iDRAC
- B. Implement OpenManage Enterprise
- C. Set up System Setup
- D. Clone the OS configuration

Answer: B

Explanation:

OpenManage Enterprise allows administrators to remotely manage and update firmware across multiple servers without interrupting the operating system, providing centralized, out-of-band update capabilities.

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