

D-PE-FN-01 Exam Dumps Get Success With Minimal Effort



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EMC D-PE-FN-01 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • Maintenance: This section of the exam measures the skills of Data Center Technicians and covers practical server maintenance procedures. Topics include handling memory and expansion cards, understanding power distribution, recognizing hardware fault indicators, and applying various firmware update methods. It also touches on thermal management through cooling techniques such as air, liquid, and immersion cooling, along with proper shutdown and reboot practices.
Topic 2	<ul style="list-style-type: none"> • Server Management: This section of the exam measures the skills of Server Support Engineers and addresses server management concepts, including in-band and out-of-band management. It compares Dell management utilities, explains BIOS vs. UEFI, and introduces at-the-box management. The section also explores iDRAC versions and the features of the Dell OpenManage System Administrator Suite (OMSA) to ensure engineers can monitor and manage PowerEdge servers effectively.
Topic 3	<ul style="list-style-type: none"> • Server Architecture and Roles: This section of the exam measures the skills of Server Support Engineers and focuses on understanding how various PowerEdge server types—like rack, tower, and blade servers—fit specific deployment needs. It covers interpreting server data flow, exploring storage topologies like DAS, NAS, and SAN, and understanding virtualization using hypervisors. The section also outlines how to position PowerEdge servers in edge, cloud, or core environments for use cases such as HPC, file sharing, or AI workloads.

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EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q47-Q52):

NEW QUESTION # 47

Which Dell PowerEdge server component replacement prompts the use of the Easy Restore feature?

- **A. System Board**
- B. Hard Drive
- C. CPU
- D. Tape Drive

Answer: A

Explanation:

The Easy Restore feature in PowerEdge servers is used when replacing the system board, as it automatically restores system configuration settings, such as BIOS and iDRAC configurations, from a backup stored in non-volatile memory. This ensures quick recovery of server settings post-replacement. Replacing CPUs, hard drives, or tape drives does not trigger Easy Restore, as these components do not store critical system configurations. Exact extract: "Describe maintenance functions, shutdowns, reboots of a PowerEdge Server..."

Explain the power distribution considerations." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Maintenance (18%).

NEW QUESTION # 48

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. BOSS**
- C. Intel Optane DC Persistent Memory
- D. PERC

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Exact Extracts: The Boot Optimized Storage Solution (BOSS) is a specialized RAID card in PowerEdge servers designed for booting the operating system using one or two M.2 NVMe drives, managed via iDRAC for simplified configuration and monitoring. BOSS ensures fast, reliable OS boot performance with RAID redundancy. NVDIMM and Intel Optane are for memory persistence, not OS booting, while PERC is for general storage RAID, not specifically for boot drives. BOSS is tailored for this use case. Exact extract: "Explain the function of various storage components commonly found in Dell PowerEdge servers, such as Hard Disk Drives (HDDs), Solid State Drives (SSDs), RAID controllers, BOSS and M.2, and storage enclosures." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%).

NEW QUESTION # 49

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

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

Answer: B

Explanation:

Across all generations of PowerEdge servers, the Power Supply Unit (PSU) LED blinks at a 4 Hz interval during a firmware update,

indicating the process is active until completion. This standardized behavior ensures consistent identification of firmware updates, critical for maintenance. Other LED patterns, like amber or white blinking, vary by generation or issue, but the 4 Hz update pattern is universal, aiding technicians in monitoring PSU status. Exact extract: "Describe maintenance functions, shutdowns, reboots of a PowerEdge Server... Explain the power distribution considerations." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Maintenance (18%).

NEW QUESTION # 50

Which firmware interface is known for providing faster boot times?

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

Answer: E

Explanation:

Unified Extensible Firmware Interface (UEFI) is known for faster boot times in PowerEdge servers compared to traditional BIOS, as it supports parallel initialization and modern hardware features, reducing startup delays. GPT and MBR are partitioning schemes, not firmware interfaces, and CMOS stores settings, not boot logic. UEFI is the standard for modern server performance. Exact extract: "Describe the security features in PowerEdge servers... Explain the role of TPM and Secure Boot." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%).

NEW QUESTION # 51

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. Clone the OS configuration
- D. Set up System Setup

Answer: A

Explanation:

The Integrated Dell Remote Access Controller (iDRAC) allows administrators to update firmware on PowerEdge servers remotely without interrupting the operating system. iDRAC's out-of-band management enables firmware updates via its web interface or CLI, ensuring minimal disruption. OpenManage Enterprise requires additional software and is for broader management, System Setup requires local access and may interrupt operations, and cloning OS configuration is unrelated to firmware updates. iDRAC is the most efficient method for remote, non-disruptive updates. Exact extract: "Describe different methods of updating firmware and drivers in PowerEdge Servers... Compare the PowerEdge Servers management applications, utilities, and licensing." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Maintenance (18%).

NEW QUESTION # 52

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