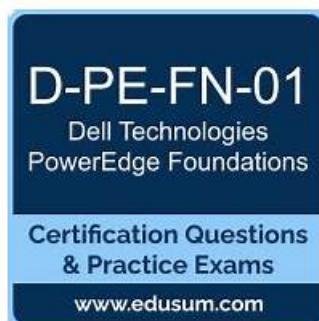


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The TroytecDumps is committed to making the EMC D-PE-FN-01 exam practice test question the ideal study material for quick and complete Dell PowerEdge Foundations v2 Exam (D-PE-FN-01) exam preparation. To achieve this objective the "TroytecDumps" is offering real, valid, and updated D-PE-FN-01 Exam Practice test questions in three different formats. These formats are TroytecDumps D-PE-FN-01 PDF dumps files, desktop practice test software, and web-based practice test software.

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 Networking and Connectivity: This section of the exam measures the skills of Data Center Technicians and focuses on the fundamentals of networking services as they relate to PowerEdge servers. It includes identifying network cables and connections, and comparing different onboard network options. This knowledge is essential for establishing and maintaining server connectivity within diverse infrastructure environments.
Topic 3	<ul style="list-style-type: none"> Security: This section of the exam measures the skills of Server Support Engineers and emphasizes the security features embedded in Dell PowerEdge servers. It includes hardware-based protections such as Silicon Root of Trust, TPM 2.0, and Secure Boot. The section also covers iDRAC's role in automated security, data protection using Self-Encrypting Drives (SEDs), and access control measures like Multifactor Authentication (MFA) and Role-Based Access Control (RBAC).
Topic 4	<ul style="list-style-type: none"> Introduction to Servers: This section of the exam measures the skills of Data Center Technicians and covers foundational concepts related to server characteristics and key storage components in Dell PowerEdge servers. It includes identifying server generations, interpreting server nomenclature, and understanding the purpose of hardware elements such as HDDs, SSDs, RAID controllers, BOSS, and M.2 drives. The goal is to ensure a clear grasp of server internals and their role in performance and reliability.

EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q35-Q40):

NEW QUESTION # 35

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

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

Answer: C

Explanation:

Ubuntu is a recommended open-source operating system for PowerEdge servers, offering robust support for file sharing protocols like NFS and Samba, making it ideal for centralized storage solutions. Its ease of use and community support suit enterprise environments. Kali Linux focuses on security testing, while Red Hat and SUSE are less emphasized for this specific use case in Dell documentation. Exact extract: "Describe and position PowerEdge server solutions for File Sharing, High-Performance Computing (HPC), and Generative AI workloads." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%).

NEW QUESTION # 36

A server administrator must monitor a Dell PowerEdge server without installing any additional software. Which management tool must they use?

- A. OMSA
- B. iDRAC**
- C. OpenManage Enterprise
- D. SCG

Answer: B

Explanation:

The Integrated Dell Remote Access Controller (iDRAC) is the built-in management tool for PowerEdge servers, allowing administrators to monitor hardware, performance, and alerts without additional software installation. iDRAC is embedded in the server's firmware, accessible via a web interface or CLI.

OpenManage Enterprise and OMSA require software installation, and SCG is not a standard Dell tool.

iDRAC provides out-of-band management for efficient monitoring. Exact extract: "Compare the PowerEdge Servers management applications, utilities, and licensing... Describe maintenance functions, shutdowns, reboots of a PowerEdge Server." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Server Management (18%).

NEW QUESTION # 37

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

- A. System Board
- B. CPU
- C. Tape Drive
- D. Hard 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 # 38

A software development team must set up a testing environment where they can run multiple operating systems on their existing workstations without altering their primary OS. Which type of hypervisor is suitable for this team, allowing them to access virtualization services through their current operating system, rather than directly on the hardware?

- A. Utilize a hosted hypervisor that works through a host OS.
- B. Choose Microsoft Hyper-V for its standalone OS capabilities.
- C. Deploy a Type 1 hypervisor to bypass the existing OS.
- D. Implement a bare metal hypervisor for direct hardware access.

Answer: A

Explanation:

A hosted hypervisor (Type 2) runs on top of an existing operating system, allowing virtualization services to be accessed through the host OS without modifying the primary system or requiring direct hardware control.

This is ideal for testing multiple OS on workstations, as it leverages the host for resource management. Type 1 hypervisors (bare metal) install directly on hardware, bypassing the OS, which would alter the setup.

Microsoft Hyper-V can operate as Type 1 in standalone mode. This approach suits development environments needing flexibility without hardware dedication. Exact extract: "Explain Hypervisors and virtual machines..."

Explain how different PowerEdge server models are better suited for specific roles." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Server Architecture and Roles (22%).

NEW QUESTION # 39

Your team is deploying the latest 17G PowerEdge servers and is intrigued by the new DC-MHS architecture.

Which architectural evolution was introduced in 17G PowerEdge servers with the Data Center Modular Hardware System (DC-MHS)?

- A. Elimination of modular design in favor of traditional monolithic boards

- B. Adoption of Open Compute Project (OCP) standards for modular hardware
- C. Introduction of proprietary, closed hardware standards
- D. Simplification of server hardware to reduce component count

Answer: B

Explanation:

The Data Center Modular Hardware System (DC-MHS) in 17G PowerEdge servers adopts Open Compute Project (OCP) standards for modular hardware, enhancing flexibility, scalability, and interoperability while maintaining open standards. This contrasts with proprietary systems, simplification of components, or reverting to monolithic designs, aligning with modern data center needs for modularity. Exact extract:

"Explain how different PowerEdge server models (e.g., rack servers, tower servers, blade servers) are better suited for specific roles." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%).

NEW QUESTION # 40

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