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Dell EMC D-PE-FN-01 Dell EMC Dell PowerEdge Foundations v2 Exam

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

Topic	Details
Topic 1	<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.

Topic 2	<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.
Topic 3	<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.

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Our product is revised and updated according to the change of the syllabus and the latest development situation in the theory and the practice. The D-PE-FN-01 Exam Torrent is compiled elaborately by the experienced professionals and of high quality. The contents of D-PE-FN-01 guide questions are easy to master and simplify the important information. It conveys more important information with less answers and questions, thus the learning is easy and efficient. The language is easy to be understood makes any learners have no obstacles.

EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q17-Q22):

NEW QUESTION # 17

What network security component is typically deployed by an organization to protect an internal Local Area Network (LAN) from unauthorized external access and manage client access to the Internet?

- A. Implement a Network Interface Card for traffic filtering
- B. Deploy a Storage Resource Manager for access control
- **C. Utilize a firewall to control network access and prevent intrusions**
- D. Install a cloud storage gateway for secure data transfer

Answer: C

Explanation:

A firewall is the primary network security component used to protect an internal LAN in PowerEdge server environments by controlling incoming and outgoing traffic, preventing unauthorized external access, and managing client Internet access. Network Interface Cards handle connectivity, not filtering; cloud storage gateways focus on data transfer; and Storage Resource Managers manage storage, not network security.

Firewalls are critical for secure networking. 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: Security (18%).

NEW QUESTION # 18

From which attack does TPM protect information that is stored in hardware?

- **A. External software attacks**
- B. Physical theft
- C. Overwriting by another application
- D. Insider threat

Answer: A

Explanation:

The Trusted Platform Module (TPM) in PowerEdge servers protects hardware-stored information, such as cryptographic keys, from external software attacks by providing a secure environment for encryption and authentication. TPM safeguards against unauthorized access via software exploits, not insider threats, application overwrites, or physical theft (which requires physical security measures). This enhances server security for sensitive data. 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: Security (18%).

NEW QUESTION # 19

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

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extracts: The iDRAC interface prompting for a username and password initiates user authentication, verifying the identity of the user attempting access to ensure only authorized personnel can manage the server. This is a fundamental security process in PowerEdge servers to protect against unauthorized access. Lockdown mode restricts changes, role-based access control assigns permissions post-authentication, and authorization levels follow verification. Authentication is the primary step here. 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: Security (18%).

NEW QUESTION # 20

A system administrator wants to implement software RAID on a new PowerEdge server to save costs. Which configuration option allows a system board's integrated SATAport to be used for RAID implementations?

- **A. SATA port can be configured for either SATA controller or software RAID**
- B. SATA port can only be used for non-RAID configurations
- C. SATA port cannot be used for any RAID configuration
- D. SATA port is exclusively for hardware RAID controllers

Answer: A

NEW QUESTION # 21

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

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

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%).

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