

D-PE-FN-01 Learning Question Materials Make You More Prominent Than Others - TrainingQuiz



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Might it be said that you are enthused about drifting through the Dell PowerEdge Foundations v2 Exam on the chief endeavor? Then, you are at the ideal locale for EMC D-PE-FN-01 exam. EMC D-PE-FN-01 Dumps gives you the most recent review material that has been figured out for you to pass the EMC D-PE-FN-01 on the key endeavor. TrainingQuiz is moving these days and is essential to finding a tremendous compensation calling. Different promising beginners stand around inactive and cash due to including an invalid prep material for the EMC D-PE-FN-01 exam.

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

Topic	Details
Topic 1	<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 2	<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 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.

Topic 4	<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 5	<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.

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EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q54-Q59):

NEW QUESTION # 54

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

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Exact Extracts: Gracefully shutting down an ESXi host on a PowerEdge server can be performed through multiple interfaces: CLI commands (via SSH or console), the Direct Console User Interface (DCUI) for direct hardware access, and vSphere client or web client for remote management. This flexibility ensures administrators can choose the most convenient method for maintenance tasks. Exclusively using CLI or DCUI limits options, and vSphere-only access ignores direct methods. Exact extract: "Describe maintenance functions, shutdowns, reboots of a PowerEdge Server... Compare the PowerEdge Servers management applications, utilities, and licensing." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Server Management (18%).

NEW QUESTION # 55

When comparing PowerEdge server models R740, R750, R760, and R770, intended for similar use cases, what is the primary differentiator across these generations'?

- A. Standardize server form factors to simplify data center management
- **B. Enhance computing power and integrate cutting-edge technology with each generation**
- C. Decrease server capacity to optimize space usage within the data center
- D. Reduce server power consumption to minimize operational costs

Answer: B

NEW QUESTION # 56

What is the primary function of the Silicon Root of Trust in Dell PowerEdge servers?

- A. To provide cryptographic verification of firmware and hardware integrity from the factory
- B. To enable automatic failover in high-availability configurations
- C. To optimize cooling efficiency based on workload demands
- D. To manage virtual machine migrations across clusters

Answer: A

Explanation:

The Silicon Root of Trust in Dell PowerEdge servers establishes a secure foundation by cryptographically verifying the integrity of firmware, BIOS, and hardware components starting from the manufacturing process at the factory. This ensures that the server boots only trusted code, protecting against supply chain attacks, firmware tampering, and malware insertion. It uses immutable hardware-based keys to anchor the chain of trust, extending to the OS and applications. Managing VM migrations is a hypervisor function, cooling optimization relates to thermal management, and failover is part of clustering software, not directly tied to Root of Trust. This feature is crucial for enhancing server security in enterprise environments, aligning with modern cybersecurity standards for PowerEdge systems. Exact extract: "Describe the security features in PowerEdge servers... Explain the role of TPM and Secure Boot... Describe the security features in PowerEdge servers including Silicon Root of Trust, Secure Boot, TPM, and multifactor authentication." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Security (18%).

NEW QUESTION # 57

For what purpose and at which boot prompt should the F2 key be pressed when starting a PowerEdge server?

- A. For diagnostic utilities during system startup
- B. To access Boot Manager during warm boot
- C. To launch Lifecycle Controller on warm reboot
- D. To enter System Setup when prompted on the boot screen

Answer: D

NEW QUESTION # 58

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

Answer: B

Explanation:

The Dell Lifecycle Controller, integrated into PowerEdge servers, allows administrators to access boot options and diagnostic tools during a warm reboot via its interface, accessible during startup. It provides a pre-boot environment for managing boot devices and running diagnostics without external software. Boot Manager and System Setup focus on specific settings, while OpenManage Enterprise is for broader management, not startup diagnostics. This utility enhances server management flexibility. 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 # 59

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