

New D-PE-FN-01 Mock Test, Valid D-PE-FN-01 Exam Test



Life is short for each of us, and time is precious to us. Therefore, modern society is more and more pursuing efficient life, and our D-PE-FN-01 Study Materials are the product of this era, which conforms to the development trend of the whole era. It seems that we have been in a state of study and examination since we can remember, and we have experienced countless tests, including the qualification examinations we now face. In the process of job hunting, we are always asked what are the achievements and what certificates have we obtained?

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 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">• 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).

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Are you preparing for the EMC D-PE-FN-01 certification exam? Whether you're an experienced professional EMC D-PE-FN-01 looking to take your career to the next level or a recent graduate trying to break into the tech field, the road to EMC D-PE-FN-01 Certification can be a long and challenging one. The good news is that you do not have to navigate it alone.

EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q15-Q20):

NEW QUESTION # 15

A server has a PCIe 5.0 x1 lane. What is the theoretical bandwidth?

- A. 1.97 GB/s
- B. 0.98 GB/s
- C. 7.88 GB/s
- **D. 3.94 GB/s**

Answer: D

Explanation:

PCIe 5.0 offers a per-lane bandwidth of approximately 3.94 GB/s for an x1 lane. This is calculated based on PCIe 5.0's data rate of 32 GT/s, with each lane providing roughly 32 Gbps (4 GB/s) after accounting for encoding overhead (128b/130b). For an x1 lane, this results in 3.94 GB/s, making it the correct answer for PowerEdge server configurations leveraging PCIe 5.0 for high-speed connectivity. Other options reflect incorrect calculations or older PCIe versions. Exact extract: "Describe the Memory and Expansion cards...

Compare the on-board network on a PowerEdge Server." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Server Architecture and Roles (22%).

NEW QUESTION # 16

A system administrator must access the iDRAC user interface of a Dell PowerEdge 16G server for the first time. What type of password is used by default to log in to the iDRAC UI on PowerEdge 16G servers, enhancing initial security?

- A. Enter a blank password for the initial iDRAC UI login
- B. Use the legacy default "root" and "calvin" credentials
- C. Utilize a user-defined password set during server setup
- **D. Employ a factory-generated password found on the Service Tag**

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Exact Extracts: PowerEdge 16G servers use a factory-generated password for the initial iDRAC UI login, found on the server's Service Tag, enhancing security by avoiding predictable defaults like "root" and "calvin." This unique password ensures secure initial access, unlike blank or user-defined passwords set later. This aligns with modern security practices in PowerEdge servers. Exact extract: "Describe the security features in PowerEdge servers... Compare the PowerEdge Servers management applications, utilities, and licensing." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Security (18%).

NEW QUESTION # 17

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 # 18

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. SUSE Linux
- **D. Ubuntu**

Answer: D

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 # 19

You must enhance the scalability and connectivity flexibility of a PowerEdge server, particularly for management and peripheral connections. Which type of onboard card is explicitly designed to increase scalability, flexibility, and connectivity options in PowerEdge servers beyond basic networking?

- A. Integrated system board network controller
- **B. Open Compute Project (OCP) card**
- C. Rear Input Output (RIO) card
- D. LAN On Motherboard (LOM)

Answer: B

Explanation:

The Open Compute Project (OCP) card is designed to enhance scalability and connectivity in PowerEdge servers by providing flexible, high-speed network interfaces without consuming standard PCIe slots. OCP cards support advanced networking and management features, offering modular upgrades for connectivity beyond basic LOM or integrated controllers. RIO cards focus on management ports, not scalability, while LOM is fixed and less flexible. OCP's modular design aligns with modern server needs.

Exact extract:

"Compare the on-board network on a PowerEdge Server... Describe the cables and connections." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Server Networking and Connectivity (6%).

NEW QUESTION # 20

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