

Authorized D-PE-FN-01 Exam Dumps - D-PE-FN-01 Valid Test Simulator



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Passing the EMC D-PE-FN-01 exam at first attempt is a goal that many candidates strive for. However, some of them think that good Dell PowerEdge Foundations v2 Exam (D-PE-FN-01) study material is not important, but this is not true. The right D-PE-FN-01 preparation material is crucial for success in the exam. And applicants who don't find updated EMC D-PE-FN-01 prep material ultimately fail in the real examination and waste money. That's why Pass4Leader offers actual EMC D-PE-FN-01 exam questions to help candidates pass the exam and save their resources.

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

Topic	Details
Topic 1	<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 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">• 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 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.

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EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q22-Q27):

NEW QUESTION # 22

What are the key characteristics of a Shielded Twisted Pair (STP) Ethernet cable compared to Unshielded Twisted Pair (UTP)?

- A. Less susceptible to noise and higher costs
- B. Less susceptible to noise and similar costs
- C. More susceptible to noise and lower costs
- D. Similar noise susceptibility and similar costs

Answer: A

Explanation:

Shielded Twisted Pair (STP) cables include an additional shielding layer that protects against electromagnetic interference (EMI) and noise, making them less susceptible to signal degradation in noisy environments compared to Unshielded Twisted Pair (UTP) cables. However, this shielding increases manufacturing costs, making STP more expensive. UTP is cheaper and sufficient for most standard networking but prone to noise in industrial settings. Similar costs or susceptibility do not apply, as STP's design explicitly addresses noise at a higher price point. This is crucial for server networking where reliable connectivity is essential. Exact extract: "Which techniques are used in STP network cables to enhance the signal quality? B. Shielding, wire twisting, and cancellation... Describe the cables and connections... Compare the on-board network on a PowerEdge Server." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Server Networking and Connectivity (6%).

NEW QUESTION # 23

An IT team wants to quickly upgrade the network bandwidth of their PowerEdge servers while also adding extra management ports like VGA and serial connectors. Which strategy offers a combination of network upgradeability and enhanced management ports using onboard card options?

- A. Replace LOM and use only RIO for network and management.
- B. Upgrade LOM to a higher speed and add a separate PCIe NIC.
- C. Install an OCP card for network speed and add a RIO card for management ports.
- D. Use only a high-end RIO card that integrates all functions.

Answer: C

Explanation:

Installing an Open Compute Project (OCP) card upgrades network bandwidth without using PCIe slots, while a Rear Input Output (RIO) card adds management ports like VGA and serial. This combination provides flexibility and conserves expansion options. Replacing LOM limits options; high-end RIO may not cover network upgrades; upgrading LOM with PCIe NIC consumes slots. This strategy enhances connectivity in PowerEdge servers. 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 # 24

Which NVIDIA software is designed to accelerate data science pipelines and streamline AI development and deployment in Gen AI solutions?

- A. NVIDIA vSphere

- B. NVIDIA AI Enterprise
- C. NVIDIA CUDA
- D. NVIDIA TensorRT

Answer: B

NEW QUESTION # 25

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. Introduction of proprietary, closed hardware standards
- B. Simplification of server hardware to reduce component count
- C. Adoption of Open Compute Project (OCP) standards for modular hardware
- D. Elimination of modular design in favor of traditional monolithic boards

Answer: C

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 # 26

In PowerEdge server nomenclature, what form factor is indicated by the prefix "R" as in R740xd?

- A. Robust design
- B. Redundant power
- C. Rack server
- D. Remote management

Answer: C

NEW QUESTION # 27

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