

# EMC D-PE-FN-01 exam questions & answers, D-PE-FN-01 real exams



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

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After taking a bird's eye view of applicants' issues, ValidExam has decided to provide them with the Real D-PE-FN-01 Questions. These Dell PowerEdge Foundations v2 Exam (D-PE-FN-01) dumps pdf is according to the new and updated syllabus so they can

prepare for EMC certification anywhere, anytime, with ease. A team of professionals has made the product of ValidExam after much hard work with their complete potential so the candidates can prepare for EMC practice test in a short time.

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

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• <b>Server Networking and Connectivity:</b> 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.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• <b>Introduction to Servers:</b> 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.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• <b>Maintenance:</b> 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.</li></ul>

## EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q44-Q49):

### NEW QUESTION # 44

An organization is concerned about the privacy and security of sensitive data and is hesitant to store it on third-party servers. What potential disadvantage of Cloud Storage Solutions should this organization be most aware of regarding data security and privacy?

- A. Dependence on a stable Internet connection
- B. Higher initial hardware and management costs compared to on-premises solutions
- **C. Potential security concerns that relate to data privacy**
- D. Limited scalability to adjust storage capacity

**Answer: C**

Explanation:

Comprehensive and Detailed Explanation From Exact Extracts: Cloud Storage Solutions pose potential security and privacy concerns due to data being stored on third-party servers, raising risks of unauthorized access or breaches, which is critical for organizations handling sensitive data. This outweighs other disadvantages like Internet dependency, scalability (which is typically high in clouds), or initial costs (often lower than on-premises). PowerEdge servers with on-premises storage offer more control over sensitive data.

Exact extract: "Compare and contrast different storage topologies relevant to Dell PowerEdge servers: Direct Attached Storage (DAS), Network Attached Storage (NAS), and Storage Area Networks (SAN)." Reference:

Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%).

### NEW QUESTION # 45

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

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

**Answer: D**

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 # 46

A data center technician is troubleshooting a server where multiple hard drives have become unresponsive simultaneously. Which server component failure is MOST likely to cause disconnection of multiple hard drives at once?

- A. PERC controller failure
- B. CPU failure
- C. The backplane failure
- D. Individual hard drive failure

**Answer: C**

Explanation:

The backplane in a PowerEdge server connects multiple hard drives to the system, and its failure can cause simultaneous disconnection of all attached drives, rendering them unresponsive. The backplane manages power and data pathways, so its malfunction disrupts multiple drives. CPU failure affects processing, not drive connectivity; individual drive failure typically impacts one drive; and PERC failure affects RAID but not physical connections. Backplane issues are critical in troubleshooting. Exact extract: "Explain the function of various storage components... Describe maintenance functions, shutdowns, reboots of a PowerEdge Server." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Maintenance (18%).

#### NEW QUESTION # 47

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. Launch the Dell OpenManage Enterprise Boot Services.
- C. Utilize the Dell Lifecycle Controller for diagnostics.
- D. Utilize the System Setup for boot option selection.

**Answer: C**

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 # 48

What role do the CPUs undertake during the data retrieval process from the disk drive within a PowerEdge server's I/O data path?

- A. They act as the temporary storage location for data fetched from the disk drive
- B. They manage the physical read/write operations directly on the disk drive
- C. They facilitate the network transmission of data that is retrieved from the disk drive
- D. They provide operational control and computational power to process retrieved data

**Answer: B**

## NEW QUESTION # 49

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