

# Die seit kurzem aktuellsten Dell PowerEdge Foundations v2 Exam Prüfungsunterlagen, 100% Garantie für Ihren Erfolg in der EMC D-PE-FN-01 Prüfungen!



Damit wir besser auf die derzeitigen Herausforderungen reagieren und Ihnen die Fragenkataloge zur EMC D-PE-FN-01 Zertifizierungsprüfung von besserer Qualität bieten können, versuchen wir, unser Bestes zu tun, indem wir die IT-Elite Gruppe von It-Pruefung verändern und die Testaufgaben von der EMC D-PE-FN-01 Zertifizierungsprüfung rechtzeitig aktualisieren. Unser Ziel liegt darin, dass Sie die EMC D-PE-FN-01 Zertifizierungsprüfung in kürzester Zeit leicht bestehen können. Bevor Sie unsere Prüfungsmaterialien kaufen, können Sie ein paar kostenlose Prüfungsfragen und Antworten herunterladen und proben.

## EMC D-PE-FN-01 Prüfungsplan:

| Thema   | Einzelheiten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Thema 1 | <ul style="list-style-type: none"><li>• <b>Server Architecture and Roles:</b> 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.</li></ul> |
| Thema 2 | <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>                                                                       |
| Thema 3 | <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>                                                                                                           |

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| Thema 4 | <ul style="list-style-type: none"> <li>• 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.</li> </ul> |
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>> D-PE-FN-01 Testking <<

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Sorgen Sie noch um die Prüfungsunterlagen der EMC D-PE-FN-01? Jetzt brauchen Sie keine Sorgen! Weil uns zu finden bedeutet, dass Sie schon die Schlüssel zur Prüfungszertifizierung der EMC D-PE-FN-01 gefunden haben. Wir It-Pruefung beschäftigen uns seit Jahren mit der Entwicklung der Software der IT-Zertifizierungsprüfung. Jetzt genießen wir einen guten Ruf weltweit. Wir bieten Ihnen die effektivsten Hilfe bei der Vorbereitung der EMC D-PE-FN-01.

## EMC Dell PowerEdge Foundations v2 Exam D-PE-FN-01 Prüfungsfragen mit Lösungen (Q42-Q47):

### 42. Frage

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

**Antwort: A**

Begründung:

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%).

### 43. Frage

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

**Antwort: B**

Begründung:

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%).

#### 44. Frage

A system administrator is unable to access the hypervisor by hostname. However, the hypervisor is responding to pings using the IP address. Which server role should be investigated?

- A. WINS
- **B. DNS**
- C. ARP
- D. DHCP

**Antwort: B**

Begründung:

If a hypervisor on a PowerEdge server is accessible by IP but not by hostname, the Domain Name System (DNS) server role should be investigated. DNS resolves hostnames to IP addresses, and a failure here prevents hostname-based access. WINS is for legacy NetBIOS, ARP handles IP-to-MAC mapping, and DHCP assigns IPs, not relevant to hostname resolution. DNS is critical for network connectivity. 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%).

#### 45. Frage

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. Utilize a user-defined password set during server setup
- C. Use the legacy default "root" and "calvin" credentials
- **D. Employ a factory-generated password found on the Service Tag**

**Antwort: D**

Begründung:

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%).

#### 46. Frage

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

## Antwort: B

### Begründung:

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%).

## 47. Frage

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Sie können im Internet teilweise die Fragenkataloge zur EMC D-PE-FN-01 Zertifizierungsprüfung von It-Pruefung kostenlos herunterladen. Dann würden Sie sich ganz gelassen auf Ihre Prüfung vorbereiten. Wählen Sie die zielgerichteten Schulungsunterlagen, können Sie ganz leicht die EMC D-PE-FN-01 Zertifizierungsprüfung bestehen.

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