

D-PE-FN-01 Vorbereitung - D-PE-FN-01 PDF Testsoftware



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EMC D-PE-FN-01 Prüfungsplan:

Thema	Einzelheiten
Thema 1	• 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).
Thema 2	• 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.
Thema 3	• 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.

D-PE-FN-01 PDF Testsoftware & D-PE-FN-01 Zertifikatsfragen

Wenn Sie einige unserer Prüfungsfrage und Antworten für EMC D-PE-FN-01 Zertifizierungsprüfung versucht haben, dann können Sie eine Wahl darüber treffen, ZertFragen zu kaufen oder nicht. Wir werden Ihnen mit 100% Bequemlichkeit und Garantie bieten. Denken Sie bitte daran, dass nur ZertFragen Ihnen zum Bestehen der EMC D-PE-FN-01 Zertifizierungsprüfung verhelfen kann.

EMC Dell PowerEdge Foundations v2 Exam D-PE-FN-01 Prüfungsfragen mit Lösungen (Q41-Q46):

41. Frage

For VMs requiring independent and self-contained network operation that is isolated from both the host and any external networks, which virtual switch type should be chosen?

- A. External
- **B. Private**
- C. Physical
- D. Internal

Antwort: B

Begründung:

A private virtual switch is ideal for VMs needing isolated, self-contained network operation, as it restricts communication to within the VMs connected to the switch, isolating them from the host and external networks. This ensures security and independence for testing or sensitive workloads. External switches connect to physical networks, internal switches allow host-VM communication, and physical switches are not virtual. Private switches align with secure virtualization in PowerEdge environments. Exact extract: "Explain Hypervisors and virtual machines... 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%).

42. 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. Use only a high-end RIO card that integrates all functions.
- C. Replace LOM and use only RIO for network and management.
- **D. Install an OCP card for network speed and add a RIO card for management ports.**

Antwort: D

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%).

43. Frage

A new IT technician is learning about server hardware and asks why servers seem more complex than desktop PCs. What is the primary reason for the increased complexity in server hardware when compared to desktop systems?

- **A. Enhance processing power and bandwidth for multiple users.**
- B. Minimize power consumption for cost savings in large deployments.
- C. Reduce the physical footprint for space efficiency.

- D. Simplify server management interfaces for users.

Antwort: A

Begründung:

Servers are designed to handle workloads from multiple users simultaneously, requiring enhanced processing power, higher bandwidth, and more robust components compared to desktop PCs, which are typically for single-user tasks. This complexity arises from the need for multi-core CPUs, larger memory capacities, redundant power supplies, and advanced cooling systems to ensure reliability and performance under constant load. Desktops prioritize simplicity and cost, while servers focus on scalability and uptime. Minimizing power or footprint is secondary; the core is supporting enterprise-level demands. Simplifying management is a software aspect, not hardware complexity. This distinction is fundamental in understanding server roles in IT environments. Exact extract: "Define the characteristics of a server... Explain how different PowerEdge server models (e.g., rack servers, tower servers, blade servers) are better suited for specific roles... Describe and position a PowerEdge server in a solution - Edge (ROBO), Cloud, Core, Use Case." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%) and Server Architecture and Roles (22%).

44. Frage

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

Antwort: B

Begründung:

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%).

45. Frage

Which open-source operating system is recommended as an alternative for file sharing, supporting NFS and Samba on Dell PowerEdge servers?

- A. SUSE Linux
- B. Red Hat Linux
- C. Kali Linux
- **D. Ubuntu**

Antwort: D

Begründung:

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%).

46. Frage

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