

100% Pass EMC - Accurate D-PE-FN-01 Latest Exam Questions

Dell EMC PowerEdge Corrective Maintenance Exam Questions and Answers 100% Pass

Using which of the following methods can RAID Management be accessed? Select two options that apply. - Correct Answer ✓✓-Dell OpenManage storage services

<CTRL> + <R> for PERC BIOS

Which of these functionalities can be performed by a PowerEdge RAID Controller?

Select two options that apply. - Correct Answer ✓✓-Physically replace a failed drive, without powering off the server.

Expand an existing array to include additional drives.

Blower modules in servers help to ensure proper cooling of the server modules. Identify the location of the blower modules in the VRTX system shown below. Click the correct highlighted section, then Submit. - Correct Answer ✓✓-Right-hand side of the tower

The image below shows an iDRAC Dashboard. Which of these sections can be used to access a remote server using the vKVM on your management station? Click the correct highlighted section, then Submit. - Correct Answer ✓✓-Virtual Console

When installing two NVMe drives in a DSS8440 system, two slots are dedicated for NVMe drive installation. Which slots are they? Click the correct highlighted section, then Submit. - Correct Answer ✓✓-Slots 8 and 9

Which of the following is not an ability of the ePSA? - Correct Answer ✓✓-To run the Easy Restore after the system board replacement.

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In the era of informational globalization, the world has witnessed climax of science and technology development, and has enjoyed the prosperity of various scientific blooms. In 21st century, every country had entered the period of talent competition, therefore, we must begin to extend our D-PE-FN-01 personal skills, only by this can we become the pioneer among our competitors. At the same time, our competitors are trying to capture every opportunity and get a satisfying job. In this case, we need a professional D-PE-FN-01 Certification, which will help us stand out of the crowd and knock out the door of great company.

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

Topic	Details
Topic 1	• 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.

Topic 2	• 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).
Topic 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.
Topic 4	• Server Networking and Connectivity: 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.

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EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q43-Q48):

NEW QUESTION # 43

Which firmware interface is known for providing faster boot times?

- A. CMOS
- **B. UEFI**
- C. GPT
- D. MBR
- E. BIOS

Answer: B

Explanation:

Unified Extensible Firmware Interface (UEFI) is known for faster boot times in PowerEdge servers compared to traditional BIOS, as it supports parallel initialization and modern hardware features, reducing startup delays. GPT and MBR are partitioning schemes, not firmware interfaces, and CMOS stores settings, not boot logic. UEFI is the standard for modern server performance. 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: Introduction to Servers (28%).

NEW QUESTION # 44

Which server attribute refers to its ability to undergo maintenance and repairs without causing system downtime?

- **A. High availability**
- B. Reliability
- C. Scalability
- D. Serviceability

Answer: A

Explanation:

High availability refers to a server's design that allows maintenance, repairs, and upgrades without interrupting operations, achieved through redundant components like power supplies, fans, and hot-swappable parts. This ensures continuous uptime critical for business environments. Reliability focuses on failure resistance, serviceability on ease of repair, and scalability on expansion. High availability is key for mission-critical PowerEdge servers. Exact extract: "Define the characteristics of a server... Explain the power distribution considerations... Describe maintenance functions, shutdowns, reboots of a PowerEdge Server." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%) and Maintenance (18%).

NEW QUESTION # 45

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

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

Answer: C

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 # 46

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

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

Answer: C

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 # 47

In ECC memory, how many extra bits are used for every 64-bit value to facilitate single-bit error correction, based on Hamming code?

- A. ECC uses 16 parity bits for every 64-bit data value.
- B. ECC uses 4 extra bits for every 64-bit value for correction.
- **C. ECC employs 8 additional bits for every 64-bit value.**
- D. ECC adds 32 error correction bits per 64-bit data segment.

Answer: C

Explanation:

Error Correcting Code (ECC) memory uses 8 additional bits for every 64-bit data value to detect and correct single-bit errors using Hamming code, resulting in 72-bit modules. This enhances data integrity in servers by repairing errors without interruption. Fewer bits (4) would only detect, not correct; more (16 or 32) are unnecessary for standard single-bit correction. ECC is beneficial in PowerEdge servers for reliable operations.

Exact extract: "Why is Error Correcting Code (ECC) memory beneficial in Dell EMC PowerEdge servers? D.

Can repair errors without interrupting other server operations... Describe the Memory and Expansion cards." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%) and Maintenance (18%).

NEW QUESTION # 48

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