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

Topic	Details
Topic 1	• 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	• 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.
Topic 3	• 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.

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The emerging EMC field creates a space for Dell PowerEdge Foundations v2 Exam (D-PE-FN-01) certification exam holders to accelerate their careers. Many unfortunate candidates don't get the Dell PowerEdge Foundations v2 Exam (D-PE-FN-01) certification because they prepare for its Dell PowerEdge Foundations v2 Exam (D-PE-FN-01) exam questions from an EMC D-PE-FN-01 exam that dumps outdated material. It results in a waste of time and money. You can develop your skills and join the list of experts by earning this Dell PowerEdge Foundations v2 Exam (D-PE-FN-01) certification exam.

EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q34-Q39):

NEW QUESTION # 34
A large enterprise requires a server that can handle high-performance computing tasks and large-scale virtualization. Which type of Dell PowerEdge server should they consider?

- A. Deploy a tower server
- B. Deploy a rack server
- C. Deploy a micro server
- D. Deploy a modular server

Answer: B

Explanation:
Rack servers, like PowerEdge R-series, are ideal for large enterprises needing high-performance computing and large-scale virtualization due to their scalability, high compute power, and efficient data center integration. Modular servers are for specific high-density needs, tower servers suit smaller setups, and micro servers lack the required capacity. Exact extract: "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." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Introduction to Servers (28%).

NEW QUESTION # 35
What type of user accounts can administrators create in iDRAC?

- A. Up to 16 local iDRAC users
- B. Up to two guest accounts
- C. Unlimited external users
- D. Only one administrator account

Answer: A

Explanation:
iDRAC in PowerEdge servers allows administrators to create up to 16 local user accounts, each with configurable roles and permissions for secure management. This supports multiple administrators or users without relying on external systems. Unlimited external users, a single administrator account, or only two guest accounts are not accurate limitations for iDRAC's local user management. 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%).

NEW QUESTION # 36
A technician is verifying the throughput of SAS drives connected to a PERC 10 controller. What is the maximum data transfer rate achievable when using SAS 3.0 compliant drives with a PERC 10 controller?

- A. 22.5Gb/sec
- B. 3Gb/sec
- C. 6Gb/sec
- D. 12Gb/sec

Answer: D

Explanation:
SAS 3.0 compliant drives, when used with a PERC 10 controller in PowerEdge servers, support a maximum data transfer rate of 12Gb/sec per port. This reflects the SAS 3.0 standard's capability for high-performance storage, doubling the 6Gb/sec of SAS 2.0

and surpassing earlier standards like 3Gb/sec. The 22.5Gb/sec option is incorrect, as it exceeds SAS 3.0 specifications. This ensures optimal throughput for enterprise storage solutions. Exact extract: "Explain the function of various storage components commonly found in Dell PowerEdge servers, such as Hard Disk Drives (HDDs), Solid State Drives (SSDs), RAID controllers, BOSS and M.2, and storage enclosures." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Server Architecture and Roles (22%).

NEW QUESTION # 37
A software development team must set up a testing environment where they can run multiple operating systems on their existing workstations without altering their primary OS. Which type of hypervisor is suitable for this team, allowing them to access virtualization services through their current operating system, rather than directly on the hardware?

- A. Deploy a Type 1 hypervisor to bypass the existing OS.
- B. Utilize a hosted hypervisor that works through a host OS.
- C. Choose Microsoft Hyper-V for its standalone OS capabilities.
- D. Implement a bare metal hypervisor for direct hardware access.

Answer: B

Explanation:
A hosted hypervisor (Type 2) runs on top of an existing operating system, allowing virtualization services to be accessed through the host OS without modifying the primary system or requiring direct hardware control.
This is ideal for testing multiple OS on workstations, as it leverages the host for resource management. Type 1 hypervisors (bare metal) install directly on hardware, bypassing the OS, which would alter the setup.
Microsoft Hyper-V can operate as Type 1 in standalone mode. This approach suits development environments needing flexibility without hardware dedication. Exact extract: "Explain Hypervisors and virtual machines...
Explain how different PowerEdge server models are better suited for specific roles." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Server Architecture and Roles (22%).

NEW QUESTION # 38
What is the primary function of the Silicon Root of Trust in Dell PowerEdge servers?

- A. To manage virtual machine migrations across clusters
- B. To provide cryptographic verification of firmware and hardware integrity from the factory
- C. To enable automatic failover in high-availability configurations
- D. To optimize cooling efficiency based on workload demands

Answer: B

Explanation:
The Silicon Root of Trust in Dell PowerEdge servers establishes a secure foundation by cryptographically verifying the integrity of firmware, BIOS, and hardware components starting from the manufacturing process at the factory. This ensures that the server boots only trusted code, protecting against supply chain attacks, firmware tampering, and malware insertion. It uses immutable hardware-based keys to anchor the chain of trust, extending to the OS and applications. Managing VM migrations is a hypervisor function, cooling optimization relates to thermal management, and failover is part of clustering software, not directly tied to Root of Trust. This feature is crucial for enhancing server security in enterprise environments, aligning with modern cybersecurity standards for PowerEdge systems. Exact extract: "Describe the security features in PowerEdge servers... Explain the role of TPM and Secure Boot... Describe the security features in PowerEdge servers including Silicon Root of Trust, Secure Boot, TPM, and multifactor authentication." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Security (18%).

NEW QUESTION # 39
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