

EMC

Exam Questions D-PE-FN-01

Dell PowerEdge Foundations v2 Exam



NEW QUESTION 1

A technician is replacing a faulty PSU in a PowerEdge server with redundant power supplies. They intend to remove one PSU to perform the swap. What is the recommended procedure to maintain server uptime and power redundancy during this PSU replacement?

- A. Pull one PSU at a time to retain power redundancy
- B. Disconnect the server from the main power source before PSU removal
- C. Remove both PSUs simultaneously to expedite the process
- D. Shut down the server completely before removing any PSU

Answer: A

NEW QUESTION 2

A system administrator is setting up a new PowerEdge server and must decide between using an HBA or a PERC card for storage connectivity. The primary requirement is high-speed data transfer to network devices, and cost is a significant constraint. Which approach should the administrator prioritize for initial setup?

- A. Select an HBA card for cost-effective, reliable non-RAID I/O operations
- B. Implement a PERC card to immediately reduce latency and enhance overall storage performance
- C. Choose a RAID controller due to its inherent ability to manage a greater number of devices efficiently
- D. Integrate a PERC card to enable future RAID configurations for data redundancy

Answer: A

NEW QUESTION 3

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. Implement a bare metal hypervisor for direct hardware access.
- C. Utilize a hosted hypervisor that works through a host OS.
- D. Choose Microsoft Hyper-V for its standalone OS capabilities.

Answer: C

NEW QUESTION 4

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 optimize cooling efficiency based on workload demands
- D. To enable automatic failover in high-availability configurations

Answer: B

NEW QUESTION 5

A network designer is planning for a high-speed network infrastructure requiring 10 Gigabit per second (Gbps) data transfer rates. Which Ethernet cable categories are speeded to support a transmission speed of 10 Gbps?

- A. Cat 5e and Cat 6
- B. Cat 7 and Cat 8
- C. Cat 6a and Cat 7
- D. Cat 6 and Cat 7

Answer: C

NEW QUESTION 6

Which component within an External Switch configuration helps maintain VM network configurations despite changes to the physical pNIC?

- A. PVLANs
- B. pNICs
- C. vNICs
- D. vEthernet

Answer: C

NEW QUESTION 7

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

Answer: D

NEW QUESTION 8

A company is designing its backup infrastructure and must decide where to store the backed-up data. They are considering both on-site and off-site options. Which storage media are commonly used in backup solutions for storing and archiving backup data?

- A. Network Attached Storage (NAS)
- B. Solid state drives (SSDs) and NVMe drives
- C. SAN arrays
- D. Random Access Memory (RAM) and CPU cache
- E. Hard disks

Answer: A

NEW QUESTION 9

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

Answer: C

NEW QUESTION 10

Your team is deploying the latest 17G PowerEdge servers and is intrigued by the new DC- MHS architecture. Which architectural evolution was introduced in 17G PowerEdge servers with the Data Center Modular Hardware System (DC-MHS)?

- A. Simplification of server hardware to reduce component count
- B. Elimination of modular design in favor of traditional monolithic boards
- C. Introduction of proprietary, closed hardware standards
- D. Adoption of Open Compute Project (OCP) standards for modular hardware

Answer: D

NEW QUESTION 10

A network administrator must size an IP subnet to address 60,000 clients Which subnet fulfills this requirement without using unnecessary IP addresses?

- A. /8
- B. /32
- C. /16
- D. /24

Answer: C

NEW QUESTION 11

A small office is considering DAS for its storage needs. What is a potential disadvantage of this solution?

- A. More complex to deploy
- B. Higher initial cost
- C. Not well suited to applications using block-level storage
- D. Limited scalability

Answer: D

NEW QUESTION 14

What benefit does Quick Sync provide regarding server management access?

- A. Enable remote server access using a dedicated network connection
- B. Provide advanced BIOS configuration options without server restart
- C. Eliminate the need for server physical reboot during management
- D. Allow server management without a front bezel or management console

Answer: D

NEW QUESTION 15

Power supply unit 2 (PSU 2) on a Dell PowerEdge R760 server has been losing power several times a day. The system administrator is planning to replace the power supply but is unsure which power supply is referenced as PSU 2. What is the most reliable way for the system administrator to visually identify PSU 2?

- A. Check the chassis label near the power supplies for PSU numbers
- B. Assume PSU 2's LEDs are off because the iDRAC has disabled it
- C. Use the iDRAC web UI to activate the blink option for PSU 2's LED
- D. Look for a constant amber LED on PSU 1, indicating a problem with that unit

Answer: A

NEW QUESTION 20

What does the Pre-boot System Assessment (ePSA) window display?

- A. Network settings
- B. Firmware versions
- C. Installed software
- D. Detected hardware devices

Answer: D

NEW QUESTION 22

What type of server is used in Hyperconverged Infrastructure (HCI) solutions'?

- A. Cloud-based virtual servers
- B. PowerEdge-based vKVM
- C. Standard client workstations
- D. PowerEdge-ready node servers

Answer: D

NEW QUESTION 24

In a virtual environment, what is the host operating system's role in managing network traffic when an external switch is used?

- A. Isolate the host completely from network traffic flow
- B. Manage only internal communication between virtual machines
- C. See the traffic and share the pNIC with VMs for external communication
- D. Delegate all traffic management directly to the external switch itself

Answer: C

NEW QUESTION 28

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

Answer: D

NEW QUESTION 33

Which NVIDIA software is designed to accelerate data science pipelines and streamline AI development and deployment in Gen AI solutions?

- A. NVIDIA TensorRT
- B. NVIDIA AI Enterprise
- C. NVIDIA CUDA
- D. NVIDIA vSphere

Answer: B

NEW QUESTION 35

A telecommunications company is expanding its services to edge locations and requires servers that can handle full enterprise-level compute but fit in limited telecom spaces. Which feature of edge-optimized PowerEdge servers is most critical for deployment in telecommunications environments?

- A. Their GPU-optimized configurations for graphic-intensive applications
- B. Their specialized modules for high-density computing in controlled data centers
- C. Their rugged design for withstanding extreme outdoor conditions
- D. Their minimal footprint that is combined with full PowerEdge features and management

Answer: D

NEW QUESTION 38

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

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

Answer: C

NEW QUESTION 42

When comparing PowerEdge server models R740, R750, R760, and R770, intended for similar use cases, what is the primary differentiator across these generations'?

- A. Reduce server power consumption to minimize operational costs
- B. Standardize server form factors to simplify data center management
- C. Enhance computing power and integrate cutting-edge technology with each generation
- D. Decrease server capacity to optimize space usage within the data center

Answer: C

NEW QUESTION 45

While training new technicians on 17G PowerEdge servers you must list the modular components in a DC-MHS architecture. Which of the following sets of components accurately represents the modular design of a Data Center Modular Hardware System (DC-MHS)?

- A. Chassis Risers, Expansion Card
- B. Hard Drives, memory modules
- C. M-CRPS, M-PIC, M-XIO, DC-SCM, HP
- D. Fan gantr
- E. Front Node
- F. System Board, backplan
- G. RAID Controller Network Car
- H. Power Supply
- I. CPUs, DIMMs, Storage Drive
- J. Cooling Fans

Answer: B

NEW QUESTION 46

A retail business wants to implement servers at store locations to deliver targeted virtual experiences within limited and expensive retail space. Which PowerEdge server type is suitable while minimizing footprint?

- A. Utilize GPU optimized servers for enhanced graphics and accelerated processing
- B. Install mainstream servers for their general data center capabilities
- C. Deploy mainstream optimized servers for cost-effective scaling in standard environments
- D. Select edge optimized servers for minimum footprint and enterprise compute in retail spaces

Answer: D

NEW QUESTION 47

How many RDIMMs can be populated per memory channel?

- A. 4
- B. 2
- C. 1
- D. 8

Answer: B

NEW QUESTION 52

A company is looking to expand its compute environment and requires full-performance enterprise servers but wants to avoid over-provisioning resources and optimize cost-effectiveness. Which PowerEdge server portfolio alignment provides feature-optimized technology and full-performance enterprise capabilities for scaling compute environments efficiently?

- A. Recommend GPU-Optimized Servers for cost efficiency
- B. Deploy specialized modules for optimized compute
- C. Suggest mainstream optimized PowerEdge servers for balanced scaling
- D. Utilize Edge-optimized servers for enterprise scaling

Answer: C

NEW QUESTION 55

An engineer must locate the latest Dell Update Package for a specific PowerEdge server model running Windows Server 2022. Which initial step should the engineer take to begin this process?

- A. Access the iDRAC interface of the server and navigate to the update section.
- B. Contact Dell support to request the specific update package.
- C. Open the Dell Support website and go to the "Drivers & Downloads" page.
- D. Utilize OpenManage Enterprise to search for available updates for the server.

Answer: C

NEW QUESTION 57

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. Use the legacy default "root" and "calvin" credentials
- B. Utilize a user-defined password set during server setup
- C. Enter a blank password for the initial iDRAC UI login
- D. Employ a factory-generated password found on the Service Tag

Answer: D

NEW QUESTION 62

Which sequence of components represents an initial segment of a typical flow of data (I/O) in a PowerEdge 670 server from input to data being temporarily stored for active use?

- A. CPUs -> Memory Module -> NIC
- B. LAN -> Disk Drive -> Memory Module
- C. LAN -> NIC -> Memory Module
- D. NIC -> CPUs -> Disk Drive

Answer: C

NEW QUESTION 67

An IT manager is looking at the Dell PowerEdge R740xd model. What does the "xd" in the model's name indicate?

- A. Indicates modular design
- B. Indicates extra drives
- C. Indicates high density
- D. Indicates tower form factor

Answer: B

NEW QUESTION 72

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

Answer: C

NEW QUESTION 75

A company operating a medium-sized business needs a server for virtualization and advanced computing but also values quiet operation for an office setting. Which specific type of tower server configuration should they consider balancing these needs?

- A. Select two-socket tower server options for advanced computing, virtualization, and power-hungry workloads
- B. Choose rack servers despite the office environment for better long-term scalability
- C. Deploy modular servers to over-engineer for future data center expansions
- D. Recommend one-socket tower servers for basic everyday business applications

Answer: A

NEW QUESTION 79

A critical Windows Server operating system has become unresponsive, and a normal graceful shutdown is not possible. Which alternative shutdown method might be necessary in this unresponsive operating system scenario?

- A. Perform a graceful shutdown through the iDRAC interface instead
- B. Perform a hard reboot of the server to regain control
- C. Initiate a remote shutdown from a different server on the network
- D. Schedule a delayed shutdown using command prompt

Answer: B

NEW QUESTION 80

An administrator sets up an In-Band management method to monitor Dell PowerEdge servers. Which In-Band and one-to-one software application can they use to monitor and manage the health of a server?

- A. OpenManage Enterprise
- B. OMSA
- C. iDRAC
- D. OME-M

Answer: B

NEW QUESTION 84

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

Answer: C

NEW QUESTION 88

From which attack does TPM protect information that is stored in hardware?

- A. Insider threat
- B. External software attacks
- C. Overwriting by another application
- D. Physical theft

Answer: B

NEW QUESTION 92

A user has successfully logged in to a file server and tries to open a document. The server checks the user's permissions before granting access to the file. Which security mechanism is the file server employing to determine if the user can access the document?

- A. A Validate user authentication status
- B. Implement access control lists for authorization
- C. Perform intrusion detection analysis
- D. Enforce multifactor authentication

Answer: B

NEW QUESTION 95

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

D-PE-FN-01 Practice Exam Features:

- * D-PE-FN-01 Questions and Answers Updated Frequently
- * D-PE-FN-01 Practice Questions Verified by Expert Senior Certified Staff
- * D-PE-FN-01 Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- * D-PE-FN-01 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The D-PE-FN-01 Practice Test Here](#)