

# EMC - D-PE-FN-01 - Valid Dell PowerEdge Foundations v2 Exam 100% Correct Answers



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

Topic	Details

Topic 1	<ul style="list-style-type: none"> <li>• <b>Server Management:</b> 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.</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>• <b>Introduction to Servers:</b> 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>
Topic 3	<ul style="list-style-type: none"> <li>• <b>Security:</b> 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).</li> </ul>
Topic 4	<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>

## EMC Dell PowerEdge Foundations v2 Exam Sample Questions (Q67-Q72):

### NEW QUESTION # 67

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

**Answer: D**

### NEW QUESTION # 68

Based on the exhibit, Grid Redundant Mode is selected on a Dell EMC PowerEdge server and the Hot Spare feature is disabled. How is the power output distributed in a dual-power supply configuration?

- A. Only one power supply ever provides power
- **B. Equally across both power supplies**
- C. Majority of the output is always provided by power supply 1
- D. power supply 2 only provides output when power supply 1 reaches maximum capacity

**Answer: B**

### NEW QUESTION # 69

What is the correct order of steps to configure a Dell PowerEdge server for HTTP boot in UEFI mode?

Note: Answers to this question are not verified by our experts, please study yourself and select the appropriate answers.

- A. a) Select System BIOS and Network Settings.  
b) Select UEFI for Boot Mode.

- c) Boot into F2 System Setup.
- d) Select System BIOS and Boot Settings.
- e) Select HTTP Device Settings.
- f) Select Finish and Reboot Server into System Setup.
- B. a) Select UEFI for Boot Mode.  
b) Select HTTP Device Settings.  
c) Boot into F2 System Setup.  
d) Select System BIOS and Boot Settings.  
e) Select System BIOS and Network Settings.  
f) Select Finish and Reboot Server into System Setup.
- C. a) Select HTTP Device Settings.  
b) Boot into F2 System Setup.  
c) Select UEFI for Boot Mode.  
d) Select System BIOS and Boot Settings.  
e) Select System BIOS and Network Settings.  
f) Select Finish and Reboot Server into System Setup
- D. a) Select HTTP Device Settings.  
b) Select System BIOS and Boot Settings.  
c) Select UEFI for Boot Mode.  
d) Boot into F2 System Setup.  
e) Select System BIOS and Network Settings.  
f) Select Finish and Reboot Server into System Setup.
- E. a) Select HTTP Device Settings.  
b) Select System BIOS and Network Settings.  
c) Boot into F2 System Setup.  
d) Select System BIOS and Boot Settings.  
e) Select UEFI for Boot Mode.  
f) Select Finish and Reboot Server into System Setup.
- F. a) Select UEFI for Boot Mode.  
b) Select Finish and Reboot Server into System Setup.  
c) Boot into F2 System Setup.  
d) Select HTTP Device Settings.  
e) Select System BIOS and Network Settings.  
f) Select System BIOS and Boot Settings.

**Answer: B**

#### NEW QUESTION # 70

Which Dell PowerEdge server component replacement prompts the use of the Easy Restore feature?

- A. CPU
- B. Tape Drive
- C. System Board
- D. Hard Drive

**Answer: C**

Explanation:

The Easy Restore feature in PowerEdge servers is used when replacing the system board, as it automatically restores system configuration settings, such as BIOS and iDRAC configurations, from a backup stored in non-volatile memory. This ensures quick recovery of server settings post-replacement. Replacing CPUs, hard drives, or tape drives does not trigger Easy Restore, as these components do not store critical system configurations. Exact extract: "Describe maintenance functions, shutdowns, reboots of a PowerEdge Server..."

Explain the power distribution considerations." Reference: Dell PowerEdge Foundations v2 Exam Description (D-PE-FN-01), Topic: Maintenance (18%).

#### NEW QUESTION # 71

Which feature is supported by the OCP 3.0 card in the latest 16G PowerEdge servers?

