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**Exam** : **D-PE-FN-23**

**Title** : **Dell PowerEdge Foundations  
2023 Exam**

**Vendor** : **EMC**

**Version** : **DEMO**

**NO.1** How much raw capacity will be available when deploying a new server that contains six, 3 TB hard drives in a RAID 10 configuration?

- A. 9 TB
- B. 12TB
- C. 15 TB
- D. 18 TB

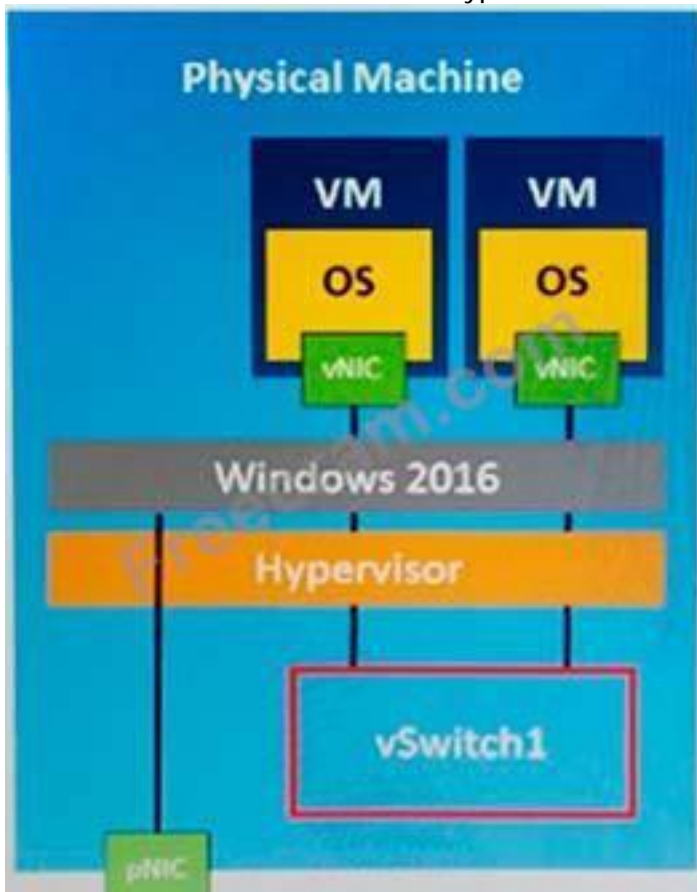
**Answer:** A

**NO.2** What is RAM used for in a Dell EMC PowerEdge server?

- A. Archive storage
- B. Volatile memory
- C. RAID storage
- D. NVMe cache

**Answer:** B

**NO.3** Based on the exhibit, which type of virtual switch is vSwitch1?



- A. External
- B. Public
- C. Open
- D. Private

**Answer:** D

**NO.4** A network administrator needs to size an IP subnet to address his 60,000 clients. Which subnet will fulfill the requirement without using unnecessary IP addresses?

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

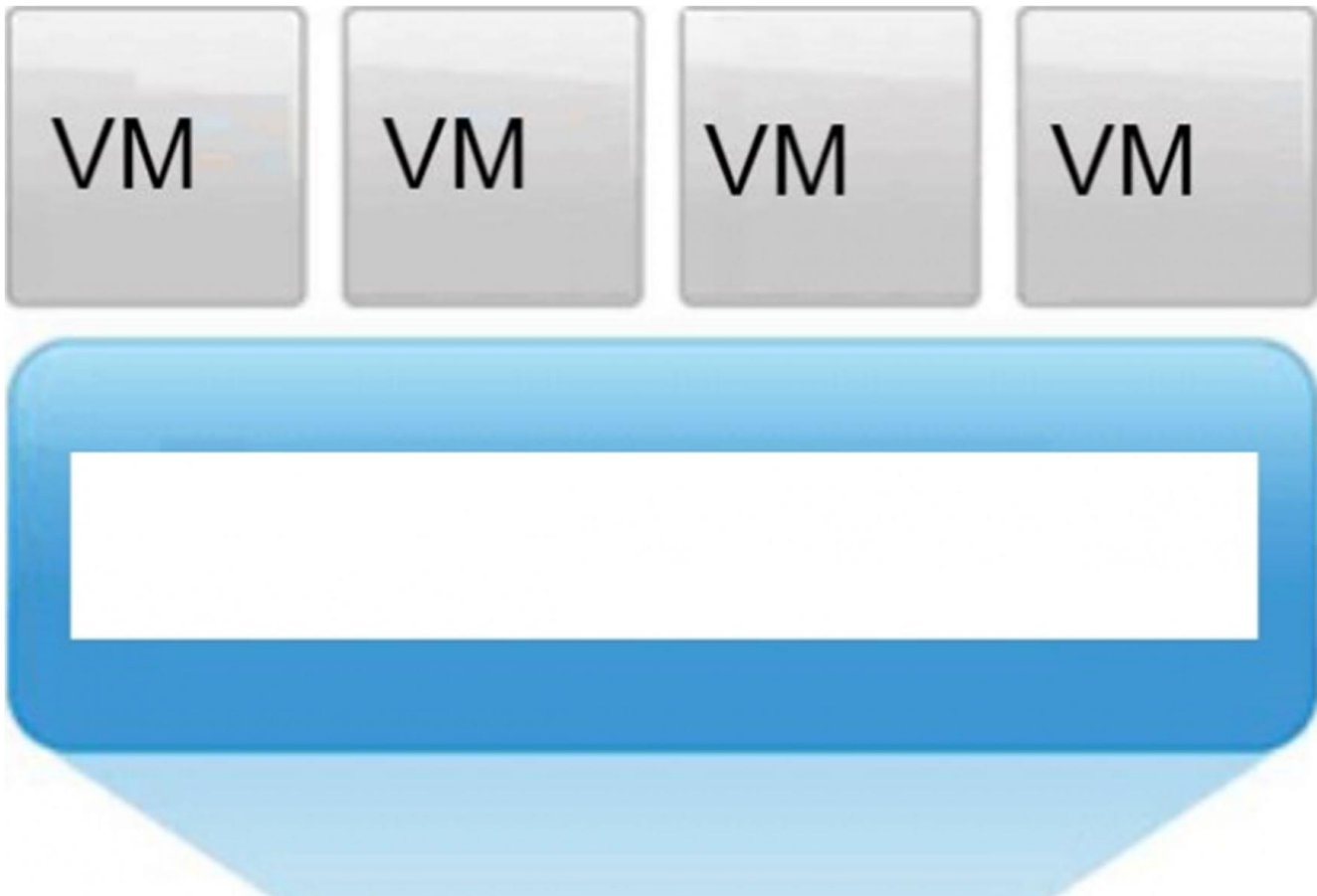
**Answer:** C

**NO.5** What advantage do NVDIMMs have over other server-based memory technologies?

- A. Operate at lower voltages to save on power costs.
- B. Lower cost per GB of capacity
- C. Require less cooling than traditional memory DIMMs
- D. Can retain contents even after a power loss

**Answer:** D

**NO.6** Refer to the exhibit.





What type of hypervisor is shown in the graphic?

- A. Type 1 - Nested
- B. Type 2 - Converged
- C. Type 2 - Hosted
- D. Type 1 - Bare Metal

**Answer:** D

**NO.7** A company is planning a physical security solution for its branches worldwide. Which danger are they trying to avoid?

- A. Ransomware
- B. Buffer Overflow
- C. Phishing
- D. Asset vandalism

**Answer:** D

**NO.8** Which network speed is known as Fast Ethernet?

- A. 10 Mbps
- B. 100 Mbps
- C. 1 Gbps
- D. 10 Gbps

**Answer:** B

**NO.9** A customer requires an external storage for their Dell EMC PowerEdge Server. What type of storage will be the most cost-effective solution for the requirement?

- A. DAS
- B. NAS
- C. CAS
- D. SAN

**Answer:** A

**NO.10** Which software agent installed on a Dell EMC PowerEdge server allows technical support to gather the Operating System information with SupportAssist collection?

- A. iSM

- B. SAE
- C. OMSA
- D. SRS

**Answer:** A

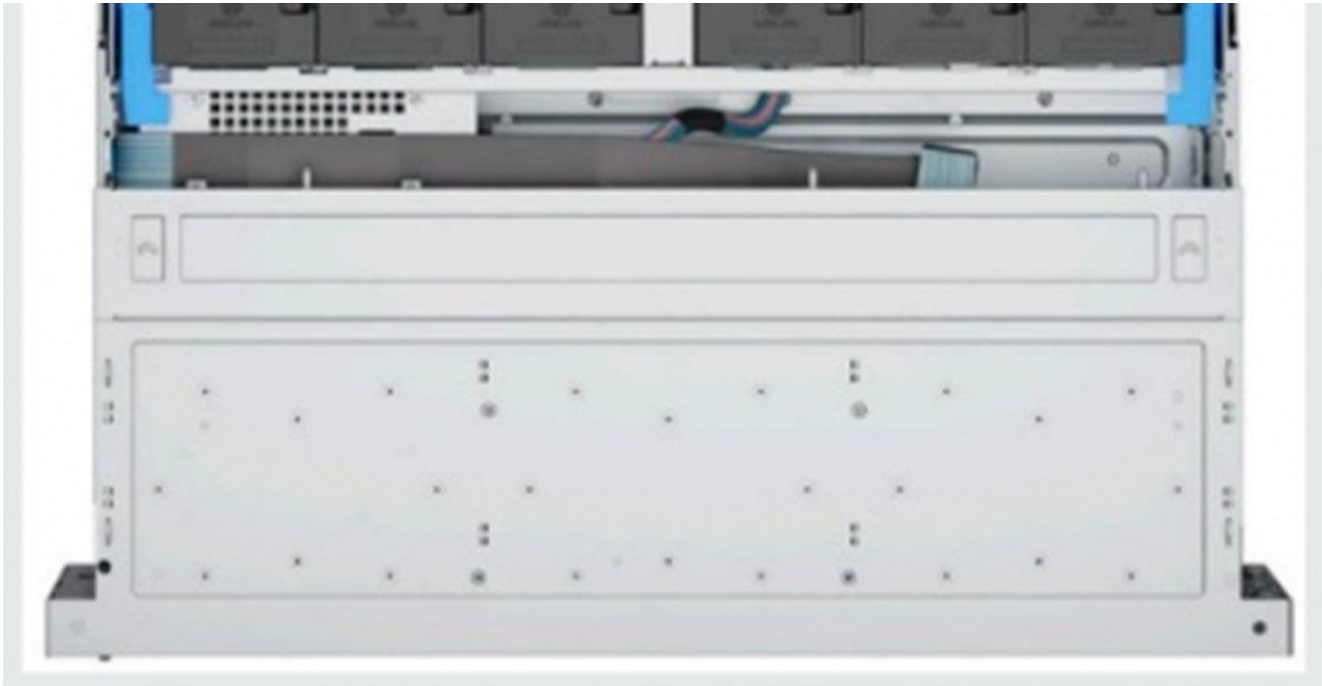
**NO.11** Which of the following are Server Storage methods?

- A. DAS, SAN, NAS
- B. SAN, NAS, SATADOM
- C. Block, File, Archive
- D. SAS, SATA, SSD

**Answer:** A

**NO.12** Refer to the exhibit.





What system is displayed?

- A. Two-socket motherboard in a Dell PowerEdge server
- B. Two-GPGPU configured Dell PowerEdge server
- C. Two HDD midplane in a Dell PowerEdge server
- D. Two BOSS cards configured in a Dell PowerEdge server

**Answer:** A

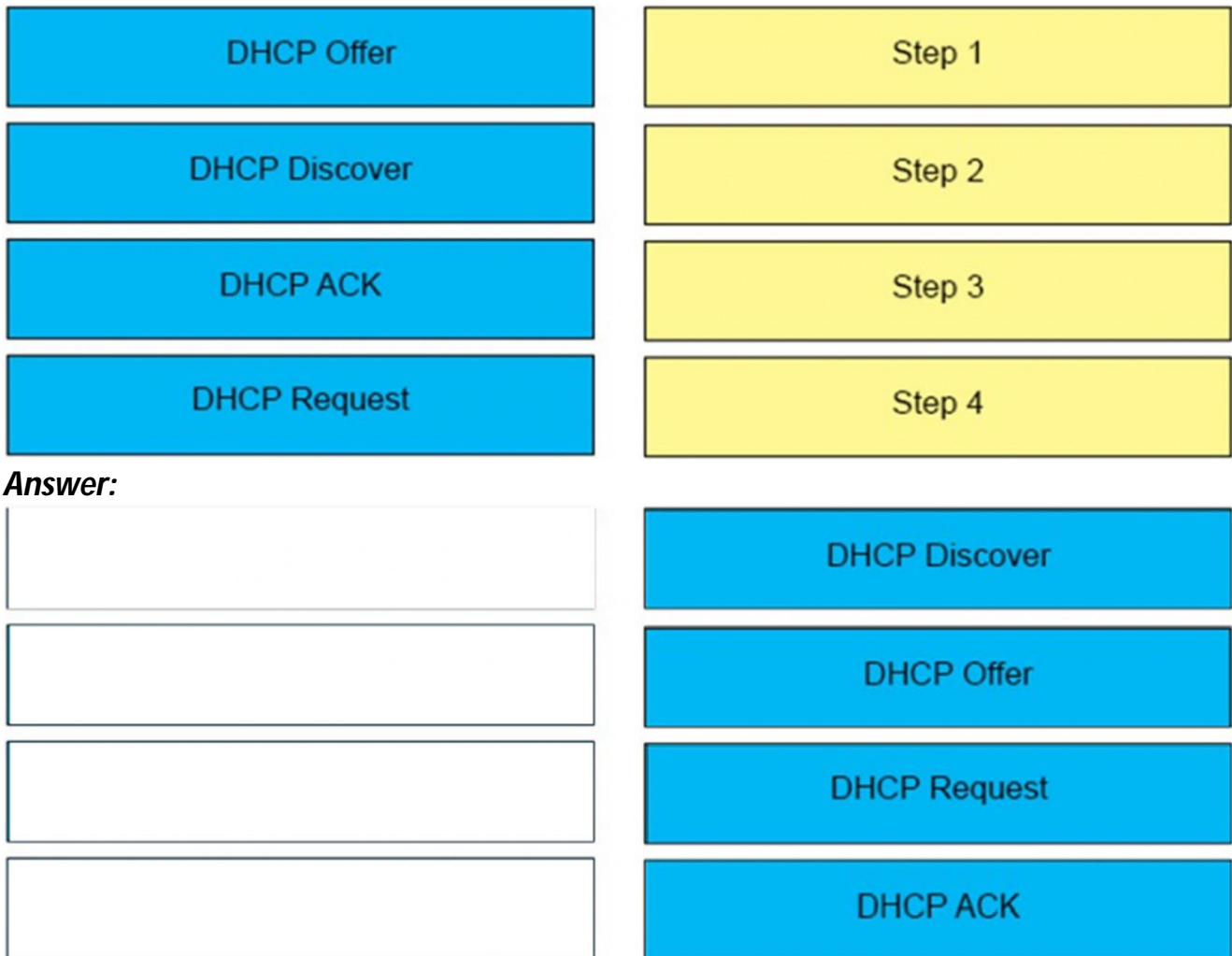
**NO.13** A system administrator is securing the company's out-of-band management solution on Dell EMC PowerEdge servers. They want to use a security feature that can protect their configuration from any unintentional or accidental changes after the system is provisioned.

Which feature will achieve the security requirements?

- A. System Lookdown Mode
- B. RSA SecureID Authentication
- C. Trusted Platform Module
- D. Boot Guard

**Answer:** A

**NO.14** What is the correct sequence of message exchanges between a DHCP server and Client for a connection request?



**NO.15** Which techniques are used in STP network cables to enhance the signal quality?

- A. Shielding, wire tubing, and enforcement
- B. Shielding, wire twisting, and cancellation
- C. Foiling, wire twisting, and enforcement
- D. Foiling, wire tubing, and cancellation

**Answer:** B

**NO.16** Which RAID level introduces a new state called "partially degraded" when a single drive failure occurs?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

**Answer:** D

**NO.17** A system administrator encountered an issue with the DHCP service. It stopped without any user action. Where is it possible to gather information about the problem?

- A. Windows Event Log > System
- B. Windows Event Log > Application

- C. Task Manager
- D. Performance Monitor

**Answer:** A

**NO.18** Which document provides the computer hardware that has been tested to pass Microsoft standards of compatibility, reliability, security, and applications for all Dell EMC PowerEdge Servers?

- A. HML
- B. BCL
- C. Quickspecs
- D. HCL

**Answer:** D

**NO.19** Which two technologies are combined within a Converged Network Adapter (CNA)?

- A. Fibre Channel and SAS
- B. SCSI and Fiber Channel
- C. Fibre Channel and Ethernet
- D. SAS and Ethernet

**Answer:** C

**NO.20** What key combination is used to start Windows Task Manager?

- A. Ctrl + Shift + Esc
- B. Alt + Shift + Ins
- C. Ctrl + Alt + Esc
- D. Alt + Ctrl + Shift

**Answer:** A

**NO.21** A system administrator has deployed Windows Server 2016. They want to run the Best Practices Analyzer to check for any issues.

How would they access this tool?

- A. Server Manager
- B. SupportAssist Enterprise
- C. Resource Monitor
- D. OpenManage Server Administrator

**Answer:** A

**NO.22** What is an accurate statement regarding 40 Gbps Ethernet ports?

- A. Can be used as a single 40 Gb connector or used as four 10 Gb connections
- B. Cannot be configured into a stack connection
- C. Must be segmented into four independent 10 Gb connections
- D. May only be used as a non-negotiable, single 40 Gb link

**Answer:** A

**NO.23** An administrator wants to enable Lifecycle Controller log replication into the operating

system.

Which tool can accomplish this?

- A. iSM
- B. PERC CLI
- C. OME
- D. SAE

**Answer:** A

**NO.24** Where are the system settings of a Dell EMC PowerEdge server stored?

- A. CMOS
- B. vFlash
- C. BIOS
- D. UEFI

**Answer:** C