

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

**Title : Dell PowerEdge Foundations  
2023 Exam**

**Vendor : EMC**

**Version : V12.35**

**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

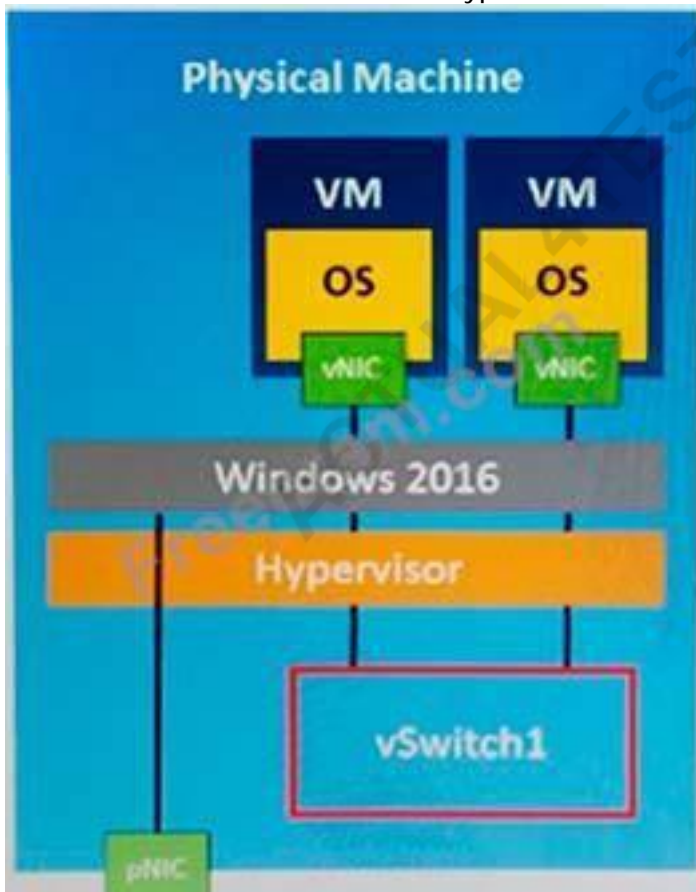
**Answer:** A

**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.

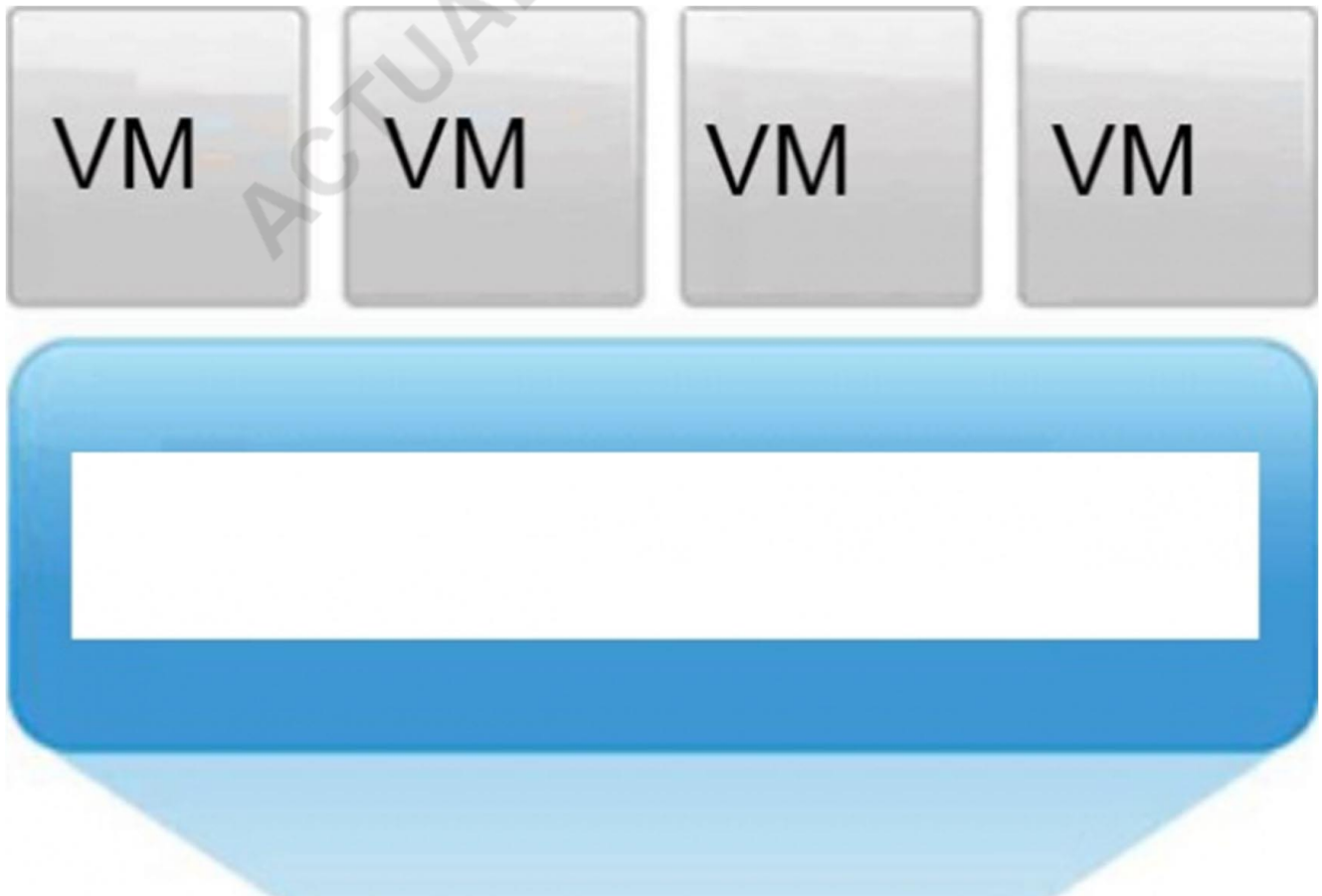
**B.** Lower cost per GB of capacity

**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.

ACTUAL4TEST.COM





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?

DHCP Offer	Step 1
DHCP Discover	Step 2
DHCP ACK	Step 3
DHCP Request	Step 4

**Answer:**

	DHCP Discover
	DHCP Offer
	DHCP Request
	DHCP ACK

**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

**NO.25** What should an administrator consider when adding a hot swap component to a racked server?

- A. Disconnect power to the entire rack to ensure personal safety
- B. Reconfigure any attached UPS
- C. Leave the system cover removed for only a short period of time
- D. Remove the network cables

**Answer:** C

**NO.26** An administrator receives simultaneous thermal alerts from multiple servers. What should be checked first?

- A. The utilization of the server CPU
- B. The computer room HVAC system
- C. The firmware versions of the servers
- D. The DHCP and DNS servers

**Answer:** B

**NO.27** Simultaneously pressing the "Ctrl" + "Shift" + "Esc" keys launches which Microsoft Windows built-in tool?

- A. Task Manager
- B. Network Monitor
- C. Performance Monitor
- D. Resource Monitor

**Answer:** A

**NO.28** A server administrator wants to transfer files between a workstation and a server. It needs to be as simple as possible, without concern for security or advanced functionality.

Which is the optimal protocol to choose?

- A. HTTP

- B. SFTP
- C. SMTP
- D. TFTP

**Answer:** D

**NO.29** What is commonly used by a system administrator to prevent electrostatic discharge when working on components inside a Dell EMC PowerEdge server?

- A. Uninterruptible Power Supply
- B. Voltage Regulator
- C. Anti-static wrist strap
- D. Non anti-static floor mat

**Answer:** C

**NO.30** An administrator needs to directly enter the System Setup on their Dell EMC PowerEdge server while working onsite.

What key should be used during POST?

- A. F2
- B. F10
- C. F11
- D. F12

**Answer:** A

**NO.31** An administrator is notified that one of their servers seems to be unreachable. Which menu shows the current system power state in the iDRAC GUI?

- A. Dashboard
- B. Maintenance
- C. iDRAC Settings
- D. Troubleshooting

**Answer:** A

**NO.32** A system administrator needs to connect through a private network with more than 400 systems on the same broadcast domain.

Which network class should be used to achieve this task?

- A. Class B
- B. Class C
- C. Class D
- D. Class E

**Answer:** A

**NO.33** An administrator wishes to create a complex RAID set for a high-performance database, where the value of the data far exceeds the cost of the drives.

Which complex RAID level should be used?

- A. RAID 1

- B. RAID 10
- C. RAID 50
- D. RAID 60

**Answer:** B

**NO.34** An administrator needs to set up a RAID which requires high performance but no data protection.

Which RAID level fulfills these requirements?

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

**Answer:** A

**NO.35** An administrator installs a group of patches on their Microsoft Windows servers and all the servers start randomly rebooting. The administrator identifies the specific patch causing the reboots. How can the administrator efficiently remove the specific patch from all affected servers at once?

- A. Log into each server individually and remove the patch manually
- B. Log into the WSUS server and issue a rollback of the patch causing the issue
- C. Log into the WSUS server and issue a rollback of every patch available
- D. Log into only the important servers and remove the patch manually

**Answer:** B

**NO.36** What is the maximum bootable storage capacity supported by BIOS mode?

- A. 512 GB
- B. 1 TB
- C. 2 TB
- D. 4 TB

**Answer:** C

**NO.37** How does GPGPU compare to CPU in a Dell EMC PowerEdge server?

- A. GPGPU is somewhat limited on running instructions concurrently, and CPU simultaneously executes a single instruction stream on multiple data elements
- B. GPGPU is only used for video output in servers, and CPU is used for computational power
- C. GPGPU has no memory on its own and fully relies on RAM, but CPU memory resource is reduced by 20GB per installed GPGPU
- D. GPGPU simultaneously executes a single instruction stream on multiple data elements, and CPU is somewhat limited on running instructions concurrently

**Answer:** D

**NO.38** A customer needs to access webmail on a laptop. Using a browser, they type in the URL and the page display correctly.

What is the correct of stops used to load the webpage?

Browser connects to a Web server	Step 1
Server sends back the webpage	Step 2
Client requests access to a webpage	Step 3
Client browser displays webpage	Step 4
Web server processes the request	Step 5

**Answer:**

Client requests access to a webpage
Browser connects to a Web server
Web server processes the request
Server sends back the webpage
Client browser displays webpage

**NO.39** What is an accurate statement in reference to software RAID?

- A. Software RAID does not have any data integrity issues
- B. Software RAID requires a hardware license
- C. Software RAID is an additional cost
- D. Software RAID uses CPU resources

**Answer:** D

**NO.40** A company's servers are housed in a multi-unit rack.

What could be a potential concern for on-going operation?

- A. Higher density in the rack leads to reduced network bandwidth
- B. Lack of power available for adding more servers to the rack
- C. Temperature inside the rack is higher than room temperature
- D. Maximum number of iDRACs that can be connected through a stack port is 3

**Answer:** C

**NO.41** A PowerEdge 14G server administrator has to shut down a server for urgent intervention. They don't want to risk any data loss but don't know the OS password. What steps should be taken?

- A. Connect to iDRAC > Dashboard tab > click Power Off System in the dropdown menu
- B. Connect to iDRAC > Dashboard tab > click Graceful Shutdown
- C. Connect to Lifecycle Controller > Server management > Power Off System
- D. Connect to Lifecycle Controller > Server management > Send OS shutdown command

**Answer:** B

**NO.42** A company is deploying a new distributed application. The new application will be hosted on-premises, and requires a 32-bit, unsupported operating system. Which type of deployment is most suitable?

- A. Desktop Service
- B. Virtual machine
- C. Physical machine
- D. Cloud service

**Answer:** B

**NO.43** Which protocol resolves IP addresses into MAC addresses?

- A. ARP
- B. DHCP
- C. DNS
- D. STP

**Answer:** A

**NO.44** What tasks can be performed on a Dell PowerEdge server using in-band management?

- A. Memory installation, CPU tweaking, BIOS setup, iSM installation
- B. User Protection, Backlog application, OS Installation, and Backlog review
- C. LCD Readings, Cooling changes, Storage performance settings, and OCP
- D. Firmware Updates, Alerts, Messaging, and Inventor

**Answer:** D

**NO.45** What are the different types of event logs on a Windows server operating system?

- A. Healthy, Warning, and Important
- B. Information, Non Critical, and Critical
- C. Information, Warning, and Error
- D. Healthy, Warning, and Critical

**Answer:** C

**NO.46** An MX7000 was purchased with minimal configuration.

What can an administrator add to make the MX7000 management interface fully redundant?

- A. CMC module
- B. MX9116n module
- C. MX9002m module
- D. Enterprise license

**Answer:** C

**NO.47** What is the objective of the Patch Management process?

- A. Confirm that industry cable management techniques are followed
- B. Ensure that all software within a company is up-to-date
- C. Correctly install and configure Dell EMC Open Manage Essentials
- D. Upgrade server hardware to the latest PCB revisions

**Answer:** B

**NO.48** Which common airflow issue can be found in data centers?

- A. Mixing or Leakage
- B. Reverse circulation
- C. Crosswind
- D. Backdraft

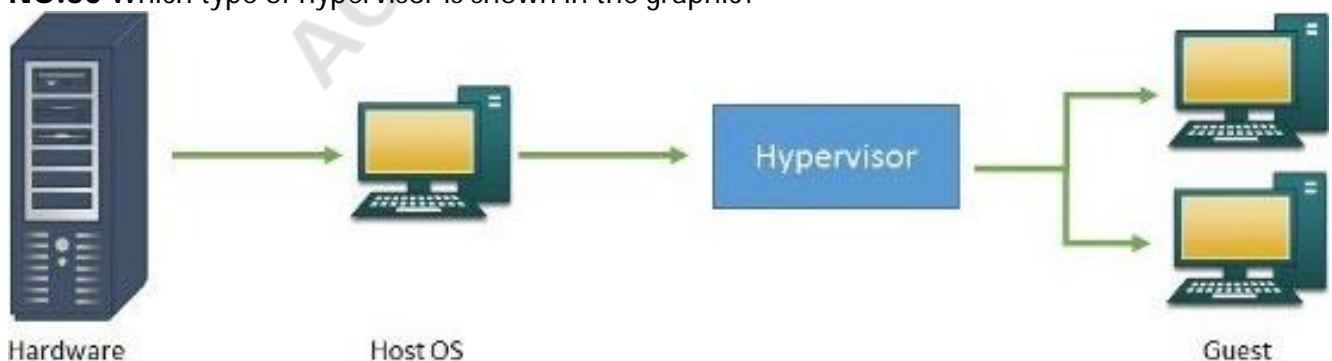
**Answer:** A

**NO.49** What is the Dell EMC iSM?

- A. Agent that expands iDRAC management functionality into the host operating system
- B. Program that is installed and provides one-to-one systems management functionality
- C. Systems management console that simplifies monitoring of multiple Dell EMC servers
- D. Out-of-band management platform on Dell EMC servers

**Answer:** A

**NO.50** Which type of hypervisor is shown in the graphic?



- A. Type 1 - bare metal
- B. Type 1 - nested
- C. Type 2 - converged
- D. Type 2 - hosted

**Answer:** D

**NO.51** Which open source operating system is designed to handle demanding business applications

such as network and system administration, database management, and web services?

- A. Linux
- B. AIX
- C. Windows
- D. ESXi

**Answer:** A

**NO.52** Which RAID level has the lowest overhead of all RAID types?

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

**Answer:** A

**NO.53** What is the maximum number of Virtual Console sessions that can be run in the iDRAC at one time?

- A. 2
- B. 4
- C. 6
- D. 7

**Answer:** C

**NO.54** What is an statement in reference to software RAID?

- A. Software RAID does not have any data integrity issues
- B. Software RAID requires a hardware license
- C. Software RAID is an additional cost
- D. Software RAID uses CPU resources

**Answer:** D

**NO.55** A server administrator needs to change the settings of their iDRAC utilizing just the front panel.

Which configuration would allow this?

- A. LED Only
- B. LCD Only
- C. Both LCD and LED
- D. LED with Quick Sync 2

**Answer:** B

**NO.56** A system administrator is configuring the file transfer role of a server. Important data needs to be accessed by end users.

Which file transfer service provides secure transfer of the data?

- A. SNMP
- B. FTP



C. SFTP

D. TFTP

**Answer:** C

**NO.57** A General Purpose GPU (GPGPU) is commonly installed in Dell EMC PowerEdge servers. Which component does GPGPU complement when processing tasks?

A. iDRAC modules

B. Memory

C. Network Interface Cards

D. CPU

**Answer:** D

**NO.58** An administrator sets up an In-Band management method to monitor their Dell EMC PowerEdge servers.

Which protocol uses In-Band management for basic communication and messaging?

A. SNMP

B. HTTP

C. SMTP

D. FTP

**Answer:** A

**NO.59** Which RAID level requires a minimum of four hard drives?

A. RAID 0

B. RAID 1

C. RAID 5

D. RAID 6

**Answer:** D

**NO.60** On a Microsoft Windows Server 2016 with Hyper-V, what is a prerequisite to support the host and run virtual machines at the same time?

A. Hypervisor joined to a cluster

B. 4 GB of memory

C. Host firewall disabled

D. Dual CPU configuration

**Answer:** B

**NO.61** Which Ethernet cable type should be installed if high interference is a concern?

A. RJ45

B. 802.11n

C. STP

D. UTP

**Answer:** C

**NO.62** Which network operating system is capable of supporting various workloads, such as database and printer access, and is based on open source code?

- A. Oracle
- B. Windows
- C. Linux
- D. ESXi

**Answer:** C

**NO.63** A server is experiencing issues with completing POST. The environment does not have a KVM or

"Crash cart" available to view where the system is halting.

Which method can an administrator use to determine the first place to start troubleshooting?

- A. Run OpenManage Essentials
- B. Check rear lights on the server chassis
- C. Run Repository manager
- D. Check iDRAC Post Code

**Answer:** D

**NO.64** A network administrator has to reconfigure the company firewall to allow access to a website on the internet.

Which technology will provide the administrator with the correct IP address?

- A. ARP
- B. DHCP
- C. DNS
- D. HTTP

**Answer:** D

**NO.65** What is the functionality of the UPS?

- A. Communicates with iDRAC of the servers to balance the load across multiple servers
- B. Provides constant power boost by combining input from multiple power grids
- C. Servers can only operate with 220v input voltage; it acts as a converter in 110v power grids
- D. Provides temporary power source to allow for a graceful system shutdown in case of a power failure

**Answer:** D

**NO.66** Which SAS revision sustains a transfer rate of 12 Gb/s for SAS devices?

- A. SAS 1.0
- B. SAS 2.0
- C. SAS 3.0
- D. SAS 4.0

**Answer:** C

**NO.67** 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?

The screenshot shows the iDRAC Enterprise web interface. The top navigation bar includes links for Dashboard, System, Storage, Configuration, Maintenance, and iDRAC Settings. The 'Power Configuration' section is highlighted. It contains four settings, each with a dropdown menu:

- Redundancy Policy:** A/B Grid Redundant
- Hot Spare:** Disabled
- Primary PSU:** PSU1
- Power Factor Correction:** Disabled

- A. Equally across both power supplies
- B. Only one power supply ever provides power
- 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:** A

**NO.68** A company is deploying security best practices and regulations. They are looking for a solution that prevents access to the data on storage media that may have failed. Which process will meet these requirements?

- A. Data deletion
- B. Media formatting
- C. Deduplication
- D. Media sanitization

**Answer:** D

**NO.69** What is the primary reason for a server emitting a greater heat load than a client system?

- A. Smaller system fans in the server
- B. Less space for air to circulate inside the server chassis
- C. Higher ambient temperature in the data center
- D. Increased power usage of the server components

**Answer:** D

**NO.70** Order the DHCP address handshake steps.

Client sends DHCP-Request	Step 1
Server replies DHCP-Offer	Step 2
Client sends DHCP-Discover	Step 3
Server replies DHCP-ACK	Step 4

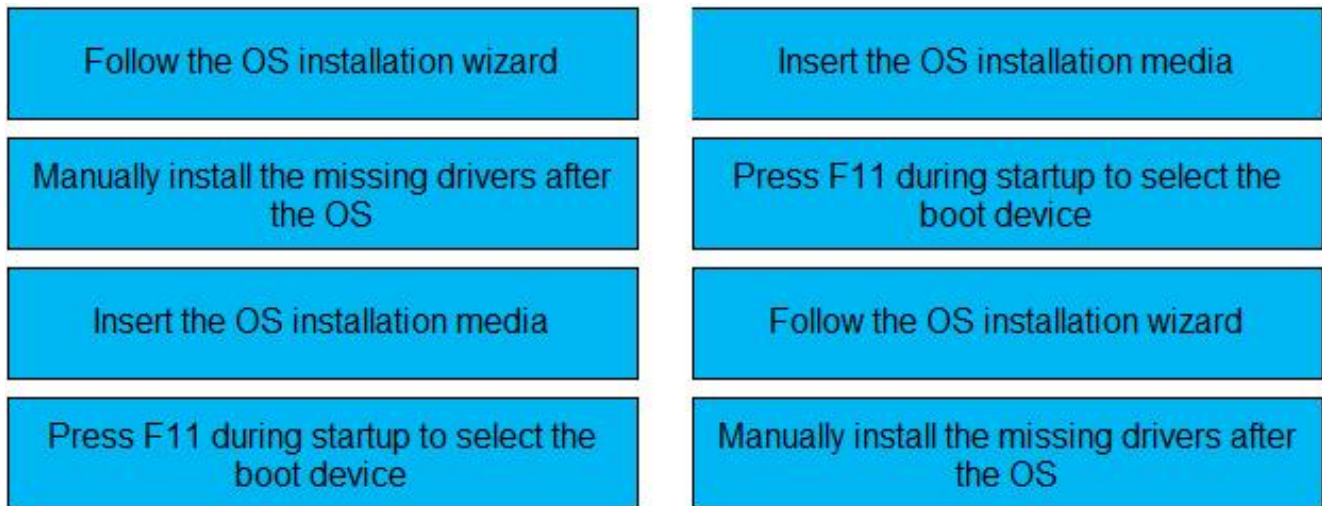
**Answer:**

Client sends DHCP-Request	Client sends DHCP-Discover
Server replies DHCP-Offer	Server replies DHCP-Offer
Client sends DHCP-Discover	Client sends DHCP-Request
Server replies DHCP-ACK	Server replies DHCP-ACK

**NO.71** What is the correct sequence when deploying the operating systems by directly booting from media?

Follow the OS installation wizard	Step 1
Manually install the missing drivers after the OS	Step 2
Insert the OS installation media	Step 3
Press F11 during startup to select the boot device	Step 4

**Answer:**



**NO.72** What is commonly by a system administrator to prevent electrostatic discharge when working inside a Dell EMC PowerEdge server?

- A. Non anti-static floor mat
- B. Voltage Regular
- C. Uninterruptible Power Supply
- D. Anti\_static wire strap

**Answer:** D

**NO.73** Which technology currently offered by Dell EMC will allow the customer to store large amounts of data to meet their long-term requirements?

- A. DAT
- B. SAIT
- C. SDLT
- D. LTO

**Answer:** D

**NO.74** Which partition scheme is utilized by a BIOS implementation?

- A. GPT
- B. GRUB
- C. MBR
- D. EBR

**Answer:** C

**NO.75** Based on Dell EMC best practices, what is a Network map?

- A. Report of all drivers, applications, and firmware associated with each server
- B. Guide to where hardware is located, and which connections are part of it
- C. List of all hardware in the network, including software and licenses
- D. Library of all logs being gathered from each individual server

**Answer:** B

**NO.76** A RAID 5 configuration with 20 hard drives loses one hard drive.

How many additional hard drive failures can this configuration tolerate before experiencing data loss?

- A. 0
- B. 1
- C. 2
- D. 3

**Answer:** A

**NO.77** What occurs during the Data Wiping process?

- A. Destroys CDs and DVDs by pulverizing and cross-cut shredding
- B. Disposes sensitive data using file detection, disk formatting, and file encryption
- C. Temporarily removes data from a readwrite medium so that it can no longer be read
- D. Logically connects storage media to a bulk-wiping device

**Answer:** B

**NO.78** Which key is used to access the one-time boot menu when preparing a Dell EMC PowerEdge server?

- A. F2
- B. F10
- C. F11
- D. F12

**Answer:** C

**NO.79** Compared to a client system CPU, which characteristic is associated with a server CPU?

- A. Higher video output resolution support
- B. Lasts longer at a high sustained load
- C. Generally lower core count but higher frequency
- D. In multi-CPU configuration, uneven number of CPUs required

**Answer:** B

**NO.80** What are the first two steps to configure RAID from System Setup?

- A. Select Create Virtual Disk from the Main Menu.  
Select Create Virtual Disks.
- B. Select the PERC controller from the Device Settings.  
Select Configuration Management.
- C. Select Create Virtual Disks.  
Select PERC controller.
- D. Select Configuration Management.  
Select Physical Disks.

**Answer:** B

**NO.81** An administrator has been tasked with installing a server with greater than 2TB partition. Which boot mode would allow this?

- A. BIOS
- B. GUID
- C. UEFI
- D. GRUB

**Answer:** C

**NO.82** What is the most secure method of data erasure?

- A. Sanitizing or wiping the device
- B. Physically destroying the device
- C. Reformatting the operating system
- D. Not using the "delete" command as it does not delete the data completely

**Answer:** B

**NO.83** Which one-to-many Dell EMC solution provides a simple interface for system administrators to maximize the uptime and health of the Dell EMC systems?

- A. Update Packages
- B. Repository Manager
- C. DataCenter Capacity Planner
- D. OpenManage Essentials

**Answer:** D

**NO.84** Which LTO Ultrium generation introduced hardware encryption?

- A. LTO-3
- B. LTO-4
- C. LTO-5
- D. LTO-6

**Answer:** B

**NO.85** Which protocol translates domain names into IP addresses?

- A. DHCP
- B. ARP
- C. DNS
- D. Ethernet

**Answer:** C

**NO.86** Which solution is recommended for installing a hypervisor in a Dell EMC PowerEdge rack server or in a hyper-converged infrastructure (HCI) host?

- A. FC HBA
- B. BOSS
- C. CPU
- D. NVDIMM

**Answer:** B

**NO.87** Which protocol allows a user to retrieve emails from an email server to a local client?

- A. IMAP
- B. HTTP
- C. SMTP
- D. FTP

**Answer:** A

**NO.88** A system administrator is securing the company's servers. They want to use a security technology that authenticates the host system hardware.

Which technology is used for this security requirement?

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

**Answer:** D

**NO.89** An IT architect is asked to provide a Dell EMC modular infrastructure that offers the most powerful and scalable computing capabilities and works with virtually any network, storage, or management infrastructure.

Which product should they choose?

- A. FX2
- B. VRTX
- C. FC640
- D. MX7000

**Answer:** D

**NO.90** A server administrator is deploying Windows 2016 Hyper-V. The virtual machines within the infrastructure will be communicating with each other. They will also be communicating with other network services and legacy systems that are hosted on a physical server.

What is the virtual switch that must be configured to support this deployment?

- A. Private switch
- B. Distributed switch
- C. External switch
- D. Internal switch

**Answer:** C

**NO.91** 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 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.

**B.** 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.

**C.** 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.

**D.** 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.

**E.** 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.

**F.** 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.

**Answer:** F

**NO.92** What is a Virtual Machine Manager (VMM)?

- A.** Command shell for interacting with a host
- B.** Web management tool for a virtual machine host
- C.** Hypervisor
- D.** Plug-in run by a hypervisor

**Answer:** C

**NO.93** Which error control technique is used by ECC memory?

- A.** Repetition codes
- B.** Hamming code
- C.** Checksums

**D. Cryptographic hash functions**

**Answer:** B

**NO.94** A user is reporting problems with a service on a Windows server. Where can the information about the service be found in the Event Viewer?

- A.** Windows Log > Application
- B.** Application and Services Logs
- C.** Service Log > Events
- D.** Windows Log > System

**Answer:** D

**NO.95** An administrator is scheduling a software patch in an enterprise environment. What is a consideration for the administrator regarding potential impact to users?

- A.** Server Redundancy
- B.** Update file size
- C.** Disruption of workflow
- D.** Network Bandwidth

**Answer:** C

**NO.96** Which advance feature does a Dell EMC energy-smart power supply offer?

- A.** Ability to update firmware without the downtime
- B.** Provides thermal management of the supply
- C.** Reverse airflow to meet data center requirement
- D.** Throttles output to power-heavy components

**Answer:** B

**NO.97** What is s backup process?

- A.** Capturing historical records used for further reference and is not actively used by the server
- B.** Using server technologies to transmit data from one computer node to another
- C.** Moving data that is no longer activity used to a separate storage device, for long-term retention
- D.** Copying files to a secondary site for preservation in case of equipment failure of other catastrophe

**Answer:** D

**NO.98** What is a possible result of enabling high-performance settings on a Dell EMC PowerEdge Server?

- A.** Increased power consumption
- B.** Reduced power consumption
- C.** Reduced airflow
- D.** Increased hardware lifespan

**Answer:** A

**NO.99** Which type of servers are all-in-one chassis platforms that provide computer servers, network I/O modules, and storage devices?

- A. Tower Servers
- B. Modular Servers
- C. Accelerated Servers
- D. Software-Defined Servers

**Answer:** B

**NO.100** A company deploys a new database server in order to meet the needs of their application server.

Which type of architecture is required to perform this task?

- A. Peer-to-peer
- B. Mainframe
- C. Client/ server
- D. Clustering

**Answer:** C

**NO.101** What kind of information is typically required upfront to install a server?

- A. Server requires External storage
- B. Server must have SATA drives
- C. Server must have SSD drives
- D. Server requires network information

**Answer:** D

**NO.102** Which types of data transfer interface are used by Dell EMC servers to connect mass storage devices?

- A. USB, Ethernet, SSD, and CSI
- B. SAS USB, Ether, and SSD
- C. SSD, CSI, USB, and SAS
- D. Ethernet, SSD, CSI, CSI, and SAS

**Answer:** B

**NO.103** What is a role and responsibility of virtual memory?

- A. Mapping process address space to disks
- B. Enables unified PCI operations
- C. Executes a sequence of stored instructions
- D. Enables zero copy operating system operations

**Answer:** D

**NO.104** A system administrator is installing Hyper-V on a Windows Server 2016. They receive an error message.

How can they solve the problem?

- A. Verify that the virtualization feature is enabled
- B. Check the installed processor is x86
- C. Confirm essentials license is installed

**D.** Ensure minimum memory of 2 GB

**Answer:** C

**NO.105** What benefit is offered by modular servers over rack servers?

- A.** Lower power requirements result in lower datacenter operating costs
- B.** Higher density is achieved by reducing the amount of consumed rack space
- C.** Hot replacement of any server in the enclosure is possible
- D.** All hardware technology is integrated into a single circuit board

**Answer:** B

**NO.106** An IT architect must provide a Dell modular infrastructure. The requirements are an upgradability up to PCIe Generation 5. Which product meets this requirement?

- A.** VRTX
- B.** M1000e
- C.** MX7000
- D.** C6600

**Answer:** D

**NO.107** Which backlight color is displayed by the LCD front-panel if a PowerEdge server is in trouble?

- A.** Red
- B.** Green
- C.** Amber
- D.** Blue

**Answer:** C

**NO.108** A system administrator wants to remove and replace their operating system installation with a newer version. The administrator is using a Dell EMC Rack server with an iDRAC set up correctly.

Which tools are required to perform this operation?

- A.** iDRAC, SupportAssist, and Virtual Console
- B.** iDRAC, Virtual Console, and Virtual Media
- C.** iSM, Repository Manager, and Virtual Console
- D.** iDRAC, OMSA, and iSM

**Answer:** B

**NO.109** An administrator experiences a failure in one of the two redundant power supplies in a Dell EMC PowerEdge server. The administrator has a shelf spare, but it has a different wattage rating from those in the server.

What will happen if the administrator installs the spare power supply in the existing configuration?

- A.** Power Supply Mismatch alert is issued; the original power supply is used and the newly installed power supply is not used
- B.** Power Supply Mismatch alert is issued; both power supplies are disabled, resulting in the system

being powered down

**C.** Differences in supply wattages is recognized; power is conditioned so that the supply drawing the lower wattage is used

**D.** Power Supply Mismatch alert is issued; the original power supply is disabled and the newly installed supply is used

**Answer:** A

**NO.110** Which first generation Dell PowerEdge server automatically enables the Easy Restore feature?

**A.** 11G

**B.** 12G

**C.** 13G

**D.** 14G

**Answer:** D

**NO.111** Which three areas should be considered in regard to patch management?

**A.** Maintenance agreement, patch time window, and patch severity

**B.** Remote endpoints, maintenance agreement, and patch severity

**C.** Remote endpoints, patch severity, and patch time window

**D.** Maintenance agreement, administrator skillset, and patch time window

**Answer:** C

**NO.112** What is the purpose of the DNS role?

**A.** Send out emails from a server to a client

**B.** Translate domain names into IP address

**C.** transfer computer files between a client and a server

**D.** Distribute and update dynamic IP address

**Answer:** B

**NO.113** What is the maximum amount of hard drives required per RAID set, when configuring RAID 50?

**A.** 2

**B.** 3

**C.** 4

**D.** 5

**Answer:** B

**NO.114** Which type of cables are shown in the graphic?



- A. Coaxial
- B. Copper
- C. Fibre
- D. UTP

**Answer:** C

**NO.115** Where in the iDRAC GUI can the iDRAC be reset to its default settings?

- A. Maintenance > Troubleshooting
- B. Troubleshooting > SupportAssist
- C. Troubleshooting > Diagnostics
- D. Maintenance > Diagnostics

**Answer:** D

**NO.116** What is a backup process?

- A. Copying files to a secondary site for preservation in case of equipment failure or other catastrophe.
- B. Capturing historical records used for future reference and is not actively used by the server.
- C. Moving data that is no longer actively used to a separate storage device, for long-term retention.
- D. Using server technologies data from one computer node to another.

**Answer:** A

**NO.117** A server administrator receives reports of high CPU utilization on a Windows server. Which tool can they use to check for applications that are using excessive amounts of CPU time?

- A. OMSA
- B. Lifecycle Controller
- C. Task Manager
- D. SAE

**Answer:** C

**NO.118** Where in the iDRAC GUI can the recording of the last three boot cycles of a Dell EMC PowerEdge server be found?

- A. Maintenance > Troubleshooting
- B. Maintenance > Diagnostics
- C. Troubleshooting > SupportAssist
- D. Troubleshooting > Lifecycle Log

**Answer:** A

**NO.119** What is an alternative configuration for a 40Gbps Ethernet connection?

- A. 1x 25 Gbps
- B. 1x 10 Gbps
- C. 10x 4 Gbps
- D. 4x 10 Gbps

**Answer:** D

**NO.120** A system administrator needs to set up a server and assign an IP address on a Class C network. All addresses are available on the network.

Which IP address should the system administrator use for the server?

- A. 210.100.155.12
- B. 195.0.0.0
- C. 192.168.12.0
- D. 200.200.200.255

**Answer:** A

**NO.121** A server administrator is deploying Windows 2022 Hyper-V. The virtual machines within the infrastructure will only be communicating with each other.

Which virtual switch must be configured to support this deployment?

- A. External switch
- B. Private switch
- C. Distributed switch
- D. Internal switch

**Answer:** B

**NO.122** What server types offer more disk drives and expansion slots and are the most cost effective within the Dell portfolio?

- A. Tower Servers
- B. Nano Servers
- C. Blade Servers
- D. Rack Servers

**Answer:** A

**NO.123** Which type of partitioning is supported by UEFI?

- A. GPT

- B. FAT
- C. EBR
- D. XFS

**Answer:** A

**NO.124** What is the IP address "xxx.xxx.xxx.0" reserved for?

- A. Unicast address
- B. Network ID
- C. Broadcast address
- D. Network gateway

**Answer:** B

**NO.125** Which component determines the system board chipset?

- A. SFP
- B. HDD
- C. M.2
- D. CPU

**Answer:** D

**NO.126** A customer is doing the following types of compute.

- Compute-intensive applications
- Machine learning and Artificial Intelligence
- Data Analytics

Which type of server can fulfill these requirements in a reasonable time frame?

- A. Tower Servers
- B. Nano Servers
- C. Accelerated Servers
- D. Data Center Scalable Servers

**Answer:** C

**NO.127** Which protocol is mainly used to receive emails through an email client?

- A. SNMP
- B. POP
- C. DNS
- D. SMTP

**Answer:** D

**NO.128** What is a benefit of SAS technology?

- A. Has no moving parts available
- B. Used for storage back-plane or HDD carrier applications
- C. Easy to manage cable and cable length
- D. Has two drives per cable connector

**Answer:** B

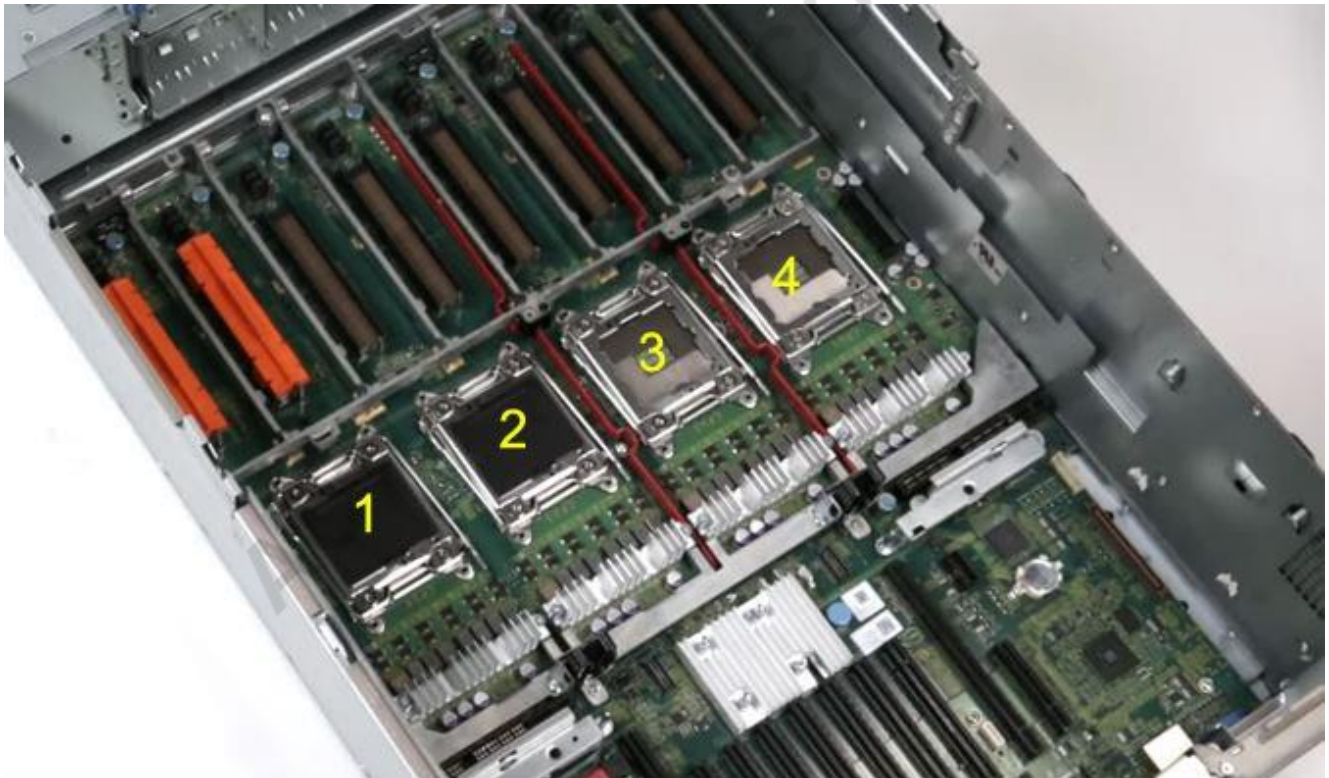


**NO.129** Which type of drive is an array of semiconductor memory organized as a disk drive that uses an integrated circuit?

- A. SSD
- B. SATA
- C. PATA
- D. SAS

**Answer:** A

**NO.130** Refer to the exhibit.



Which description matches the system displayed?

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

**Answer:** C

**NO.131** What is the objective of server configuration management in an enterprise environment?

- A. Reduce cost of servers regardless of workload types utilization types, or performance requirements.
- B. Maximize performance per watt at all utilization levels and workload types while still meeting performance requirements.
- C. Maximize server performance, regardless of workload, utilization, or performance requirements.
- D. Minimize cost of servers and to extend the lifetime of servers being used.

**Answer:** B

**NO.132** What should an administrator review, prior to deploying an operating system (OS), to confirm there are no hardware incompatibilities with the desired OS?

- A. iDRAC SEL
- B. HCL
- C. BPA
- D. LCC Log

**Answer:** B

**NO.133** A system administrator recently hired by a company notices that the client systems are set with static IP addresses. The administrator wants the IP addresses automatically distributed to each computer.

Which server role is required to perform this task?

- A. Web Server
- B. DHCP
- C. DNS
- D. Active Directory

**Answer:** B

**NO.134** Where is a tower server commonly deployed, and why?

- A. Branch or remote location, because a rack is not needed
- B. Datacenter, because tower servers tend to be more powerful so more work can be done in the same physical space
- C. Branch or remote location, because of security concerns
- D. Datacenter, due to more PCI support allowing for more external storage

**Answer:** A

**NO.135** A system administrator needs to configure an offsite shared mailbox across multiple users. Which protocol should be used to avoid email loss and keep the mailbox synchronized on all clients simultaneously?

- A. SMTP
- B. MX
- C. IMAP
- D. POP

**Answer:** C

**NO.136** An administrator needs to know which IP address corresponds to a MAC address. Which protocol will support this?

- A. DHCP
- B. ARP
- C. DNS
- D. STP

**Answer:** B

**NO.137** An administrator is trying to install iSM on an operating system.

Why would the iSM blue installer box be grayed out in the iDRAC GUI?

- A. iSM installation is in progress
- B. iSM is not installed on the operating system
- C. iSM is already installed
- D. iSM is not supported on the operating system

**Answer:** C

**NO.138** What is the maximum number of iDRAC Virtual Console that can be run simultaneously?

- A. 4
- B. 7
- C. 6
- D. 5

**Answer:** C

**NO.139** A system administrator needs to change from UEFI to BIOS on their Dell EMC PowerEdge server. In which menu of the System BIOS can this be changed?

- A. Miscellaneous Settings
- B. Boot Settings
- C. Processor Settings
- D. System Profile Settings

**Answer:** B

**NO.140** What is the name of the log generated by SupportAssist?

- A. Support Assist Report
- B. Support Assist Log
- C. Technical Support Report
- D. Technical Support Log

**Answer:** C

**NO.141** Why is Error Correcting Code (ECC) memory beneficial in Dell EMC PowerEdge servers?

- A. Provides a separate memory management scheme for memory operation
- B. Creates redundancy by mirroring physically installed memory
- C. Can present more memory than what is physically installed
- D. Can repair errors without interrupting other server operations

**Answer:** D

**NO.142** What types of data transfer are used by Dell EMC servers to connect mass storage devices?

- A. USB, Ethernet, SSD, and CSI
- B. SAS, USB, Ethernet, and SSID
- C. SSID, CSI, USB, and SAS
- D. Ethernet, SSID, CSI, and SAS

**Answer:** B

**NO.143** A data center technician recently added several fully populated racks containing Dell EMC servers to an existing data center. A few days later, clients started expressing concern about their systems randomly shutting down due to temperature related errors.

Which design option should be explored in order to help resolve this issue?

- A. Exhaust gas recirculation
- B. Increasing system temperature
- C. Reducing airflow
- D. Hot aisle containment

**Answer:** D

**NO.144** Which storage device was added as of 14G to Dell EMC PowerEdge servers and can be dedicated for hypervisor installation?

- A. BOSS
- B. vFlash
- C. NVDIMM
- D. DVD

**Answer:** A

**NO.145** An administrator receives a report that a system crashed. However, users were unable to capture the error message before the system rebooted.

How can the administrator see what the message was?

- A. Check timestamps and look for clues in UPS logs
- B. Review BIOS settings to check WatchDog
- C. Read backup logs from the last backup that was performed
- D. Using the iDRAC, navigate to the "Last Crash" screen

**Answer:** D

**NO.146** An administrator wishes to create a large complex RAID set for a write intensive application that balances performance and cost.

Which complex RAID Level should be used?

- A. RAID 5
- B. RAID 10
- C. RAID 50
- D. RAID 60

**Answer:** C

**NO.147** Which type of addressing does UEFI boot mode use?

- A. 64 bit
- B. 128 bit.
- C. 512 byte
- D. Virtual

**Answer:** B

**NO.148** What items must be included when compiling server documentation?

- A. Inventory, network map, and firmware list
- B. Firmware list, driver list, and service tags
- C. Vendor list, network map, and action log
- D. Network map, inventory, and action log

**Answer:** D

**NO.149** What is an example of a data archive?

- A. Data of internal business policies and procedures
- B. Data that is corrupted, changed or logged incorrectly
- C. Current and critical production data that resides in a server's primary storage
- D. File and mail account data for a user that left an organization one month ago

**Answer:** D

**NO.150** What is RAM used for in a Dell PowerEdge server?

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

**Answer:** D

**NO.151** Which service is provided by a Dell EMC Smart Uninterruptible Power Supply (UPS)?

- A. Increased wattage to the power supplies of the server
- B. Limited standby power in the event of a power outage
- C. Uninterrupted power during a prolonged power outage
- D. Remote maintenance of any attached server

**Answer:** B

**NO.152** A customer needs to review Microsoft Windows events using a built-in monitoring tool. Which tool should be used?

- A. Performance Monitor
- B. Resource Monitor
- C. Task Manager
- D. Server Manager- Local Server

**Answer:** D

**NO.153** Based on the graphic, which device has a Serial ATA (SATA) interface?



- A. A
- B. B
- C. C
- D. D

**Answer:** B

**NO.154** Which solution is used as a one-to-one systems management?

- A. OMSA
- B. OME-M
- C. SAE
- D. OME

**Answer:** A

**NO.155** What is the minimum number of hard disks required in a RAID 10 configuration?

- A. 3
- B. 4
- C. 5
- D. 6

**Answer:** B

**NO.156** A server administrator needs to configure a static IP for the iDRAC on their server. What is the correct sequence to accomplish this through the LCD?

Select Network Settings	Step 1
Select Edit	Step 2
Select Static IP	Step 3
Select Settings	Step 4
Set IP Address and Subnet	Step 5
Set Gateway and Save	Step 6

**Answer:**

Select Network Settings	Select Settings
Select Edit	Select Network Settings
Select Static IP	Set IP Address and Subnet
Select Settings	Select Edit
Set IP Address and Subnet	Select Static IP
Set Gateway and Save	Set Gateway and Save

**NO.157** How can an administrator determine if a Dell EMC PowerEdge server component is hot-swappable?

- A. Presence of an orange tab on the component
- B. Component is on the "HOT SWAP" list available from the LCD front panel
- C. Presence of a blue tab on the component
- D. Words "HOT SWAP" are printed on the assembly of the component

**Answer:** A

**NO.158** What is a benefit of having an Uninterruptible Power Supply (UPS) attached to a server?

- A. Provides permanent power to a server, eliminating the need for a wall outlet.
- B. Replaces the need for power supplies in a server.
- C. Keeps a server running during a long power outage
- D. Provides short-term protection to allow a server to be shut down gracefully.

**Answer:** D

**NO.159** Which key feature is included in a Network Attached Storage (NAS) solution that is not included in a Storage Area Network (SAN) solution?

- A. CIFS/NFS
- B. Block level access
- C. TCP/IP network compatibility
- D. Unlimited scalability

**Answer:** A

**NO.160** Which dual-level RAID configuration is combined to configure RAID 10 on a single array?

- A. RAID 0 RAID 1, mirrored and parity
- B. RAID 0 RAID 1, mirrored and striped
- C. RAID 1 RAID 0, parity and striped
- D. RAID 0 RAID 1, striped and mirrored

**Answer:** D

**NO.161** A customer created a RAID 6 volume using 4x 600GB disks.  
How much usable disk space is available?

- A. 600GB
- B. 1.2TB
- C. 1.8TB
- D. 2.4TB

**Answer:** B

**NO.162** What is a characteristic of server and user authenticator?

- A. User does not need to provide their identity to the server or the client for authentication.
- B. Authentication uses logs to determine tasks each individual performs and which files the user is accessing.
- C. Authentication is commonly implemented through login ID and password in private and public networks.
- D. Server does not need to know exactly who is accessing the information or site for authentication.

**Answer:** C

**NO.163** A system administrator has Dell EMC PowerEdge server with dual 750W PSUs in a "Not Redundant" configuration with hot spare enabled. One PSU was accidentally removed from the



server.

What is the expected behavior in this scenario?

- A.** Available power is reduced to a single PSU rated output, and the server may shutdown
- B.** If the active PSU was removed, the server will reboot to activate hot spare
- C.** Available power remains unchanged as the output of two PSUs is never combined in servers
- D.** The server will immediately shutdown as PSUs were configured in "Not Redundant" mode

**Answer:** A

**NO.164** What is the amount of hard drives request per RAID set, when configure RAID 50?

- A.** 2
- B.** 3
- C.** 4
- D.** 6

**Answer:** D

**NO.165** Which use case is Dell EMC OpenManage Server Administrator recommended for installation?

- A.** Comprehensive, one-to-one systems management solution for remote or local servers
- B.** Management console for one-to-many monitoring of Dell EMC infrastructure
- C.** Management and integration of firmware updates across an entire environment
- D.** Operation of hardware while iDRAC is non-functional

**Answer:** A

**NO.166** What is a benefit of NVDIMM?

- A.** Accelerates workloads into the next generation server
- B.** Operates at higher voltages
- C.** Provides Auto-Rebuild
- D.** Provides data redundancy

**Answer:** A

**NO.167** A data center technician is informed of a hardware problem on a server. The technician is requested to physically inspect the server without rebooting the operating system.

Which troubleshooting step can the technician perform to diagnose the fault further?

- A.** Access the Lifecycle Controller
- B.** Update the BIOS
- C.** Perform a scan using OpenManage Essentials
- D.** Review the LCD front panel display

**Answer:** D

**NO.168** An architect received the requirements for a low-budget development server. The applications on the server are not performance sensitive, but the customer would like some level of data protection.

Which storage solution fits these requirements?

- A. Hardware RAID 10
- B. Software RAID 10
- C. Hardware RAID 5
- D. Software RAID 5

**Answer:** D

**NO.169** What distinguishes server CPUs from client CPUs?

- A. Server CPUs have no overlocking features; client CPUs do have them
- B. Server CPUs use identical socket types, client CPUs use multiple socket types
- C. Server CPUs frequently have fewer cores and more processing power than client CPUs
- D. Servers tend to have fewer CPUs installed than clients

**Answer:** A

**NO.170** Where can alerts on the LCD be viewed?

- A. Settings > Alerts
- B. Quick Sync > QR Code
- C. Home Screen > Alerts
- D. Help > QR Code

**Answer:** C

**NO.171** An administrator received CPU thermal warning alerts from a Dell EMC PowerEdge server. The inlet temperature is normal. What should they do?

- A. Verify that memory shrouds are installed in the server
- B. Lower the room air conditioning temperature
- C. Increase the voltage of the fans via the iDRAC GUI
- D. Check the Hot Aisle Containment

**Answer:** A

**NO.172** What is the object of server configuration management in an environment?

- A. Minimize cost of server and to extend the lifetime of servers being used
- B. Reduce cost servers regardless of workload types, or performance requirements
- C. Maximum performance per watt at all utilization levels and workload types while performance requirements
- D. Maximize server performance, regardless of workload, utilization or performance requirements

**Answer:** C

**NO.173** Which type of replacement is required if a component contains a blue tab?

- A. Warm Swap
- B. Cold Swap
- C. Blind Swap
- D. Hot Swap

**Answer:** B

**NO.174** A company is planning a storage capacity for their new solution and have an archiving system that requires long retention periods for the data.

What is the storage tier that best suits the new solution?

- A. Lower storage tier
- B. Extreme performance storage tier
- C. Flash storage tier
- D. Performance storage tier

**Answer:** A

**NO.175** What is a key characteristic of a Type 2 hypervisor?

- A. Runs directly on the host with direct access to the hardware
- B. Runs directly on the host without direct access to the hardware
- C. Runs on an operating system installed on the host with direct access to the hardware
- D. Runs on an operating system installed on the host without direct access to the hardware

**Answer:** D

**NO.176** Which association does the ARP service provide the operating system?

- A. MAC and IP address
- B. Subnet mask and VLAN ID
- C. VLAN ID and MAC address
- D. IP address and subnet mask

**Answer:** A

**NO.177** An administrator is implementing LTO-5 drives in their backup solution. They plan to disable hardware data compression through their backup appliance.

What is the maximum data rate that can be achieved?

- A. 80 MB/s
- B. 120 MB/s
- C. 140 MB/s
- D. 160 MB/s

**Answer:** C

**NO.178** A server administrator wants to get the latest HBA driver for the Dell EMC PowerEdge server from support.dell.com.

Which protocol is used to complete this activity?

- A. TFTP
- B. SFTP
- C. HTTPS
- D. FC

**Answer:** C

**NO.179** What is the correct sequence to deploy the operating systems when using the Lifecycle Controller?

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

- A.** a) Select the operating system.  
b) Enter the Lifecycle Controller.  
c) Insert the operating system installation media.  
d) Select OS Deployment and deploy.  
e) Configure the RAID disk.
- B.** a) Enter the Lifecycle Controller.  
b) Select the operating system.  
c) Insert the operating system installation media.  
d) Select OS Deployment and deploy.  
e) Configure the RAID disk.
- C.** a) Insert the operating system installation media.  
b) Enter the Lifecycle Controller.  
c) Select the operating system.  
d) Select OS Deployment and deploy.  
e) Configure the RAID disk.
- D.** a) Select the operating system.  
b) Configure the RAID disk.  
c) Insert the operating system installation media.  
d) Select OS Deployment and deploy.  
e) Enter the Lifecycle Controller.
- E.** a) Enter the Lifecycle Controller.  
b) Insert the operating system installation media.  
c) Select OS Deployment and deploy.  
d) Select the operating system.  
e) Configure the RAID disk.

**Answer:** A

**NO.180** For which use case is Dell EMC OpenManage Essentials recommended for installation?

- A.** Comprehensive, one-to-one systems management solution for remote or local servers  
**B.** Management console for one-to-many monitoring of Dell EMC infrastructure  
**C.** Operation of hardware while iDRAC is non-functional  
**D.** Management and integration of operating system updates across an entire environment

**Answer:** B

**NO.181** An administrative user sends a Word document as an attachment to their coworker using the email client.

Which protocol is used to complete this transaction?

- A.** SMTP  
**B.** SFTP  
**C.** SNMP  
**D.** SCTP

**Answer:** A

**NO.182** What is the correct sequence of steps to gather a SupportAssist Collection via the iDRAC9 UI?

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

- A.** a) Log in to the iDRAC.  
b) Select Start a Collection.  
c) Navigate to SupportAssist.  
d) Select Maintenance.  
e) Click Collect.  
f) Select destination where Collection will be saved.
- B.** a) Select Start a Collection.  
b) Click Collect.  
c) Navigate to SupportAssist.  
d) Select Maintenance.  
e) Log in to the iDRAC.  
f) Select destination where Collection will be saved.
- C.** a) Select destination where Collection will be saved.  
b) Navigate to SupportAssist.  
c) Log in to the iDRAC.  
d) Select Maintenance.  
e) Click Collect.  
f) Select Start a Collection.
- D.** a) Select Maintenance.  
b) Select destination where Collection will be saved.  
c) Navigate to SupportAssist.  
d) Log in to the iDRAC.  
e) Click Collect.  
f) Select Start a Collection.
- E.** a) Navigate to SupportAssist.  
b) Select Start a Collection.  
c) Log in to the iDRAC.  
d) Select Maintenance.  
e) Click Collect.  
f) Select destination where Collection will be saved.
- F.** a) Select Start a Collection.  
b) Log in to the iDRAC.  
c) Select Maintenance.  
d) Navigate to SupportAssist.  
e) Click Collect.  
f) Select destination where Collection will be saved.

**Answer:** A

**NO.183** A system administrator needs to install an operating system (OS) on a server that is in BIOS mode.

What is the correct sequence of steps to set the server into BIOS mode?

Ensure that the «BIOS» ratio button is selected for Boot Mode and click Apply	Step 1
Enter System BIOS	Step 2
Power on the server	Step 3
At the prompt select the F2 key to enter the System Setup menu	Step 4
Select the «Boot Settings» option	Step 5
<b>Answer:</b>	
	Power on the server
	At the prompt select the F2 key to enter the System Setup menu
	Enter System BIOS
	Select the «Boot Settings» option
	Ensure that the «BIOS» ratio button is selected for Boot Mode and click Apply

**NO.184** Where in the iDRAC UI can the iDRAC be reset to its default settings?

- A. Maintenance > Diagnostics
- B. Maintenance > Troubleshooting
- C. Troubleshooting > Diagnostics
- D. Troubleshooting > SupportAssist

**Answer:** A

**NO.185** A system administrator is tasked with troubleshooting a connectivity issue with a CMC module.

Connection through a wired Ethernet connection is not possible.

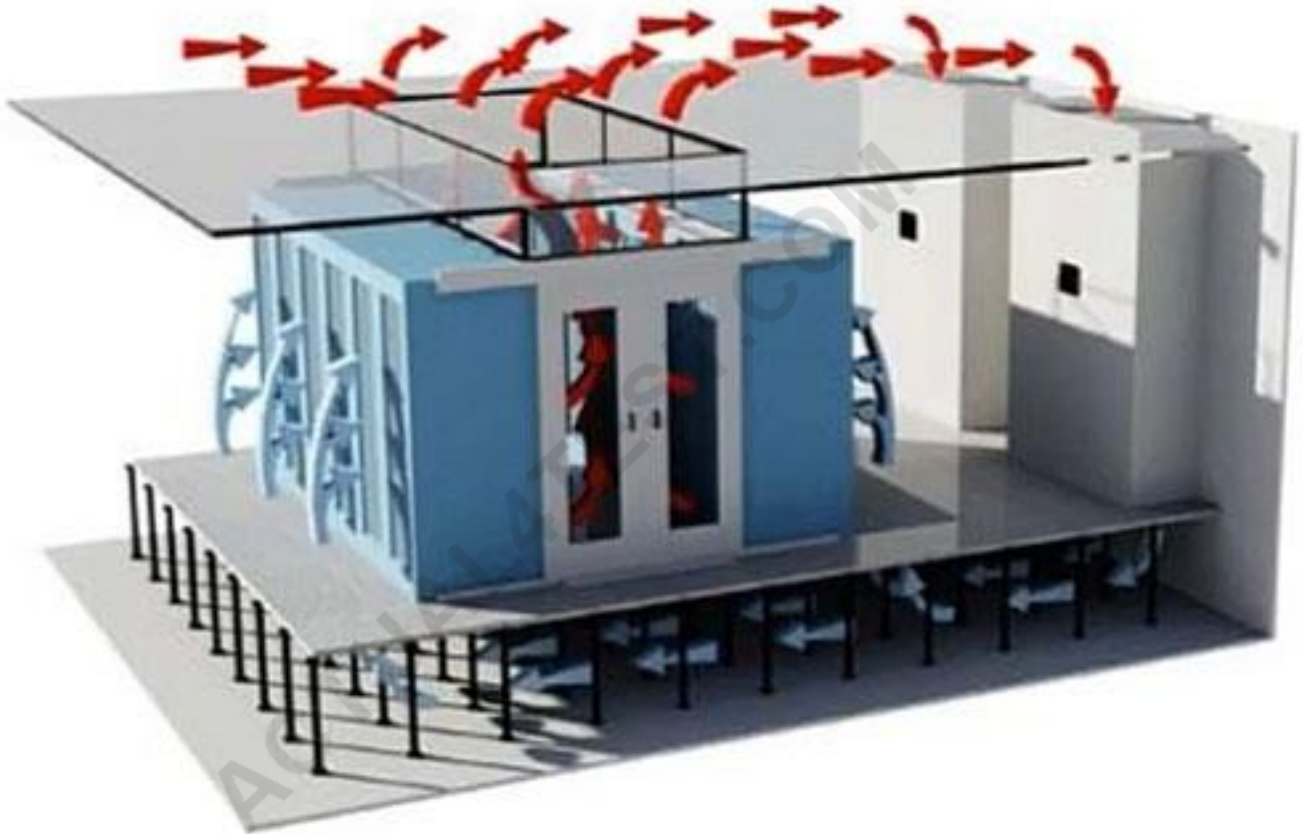
Which alternative connection method should the administrator use?

- A. NFC

- B. Serial
- C. Wireless
- D. SSH

**Answer:** B

**NO.186** Refer to the exhibit.



What is this system referred to?

- A. HAC
- B. FANS
- C. CRAH
- D. HVAC

**Answer:** A

**NO.187** A customer requires servers that focus on delivering tailored solutions that are rapidly shifting toward remote-based architectures.

Which type of servers provide this?

- A. Modular Servers
- B. Cloud Servers
- C. Accelerated Servers
- D. Data Center Scalable Solution Servers

**Answer:** D

**NO.188** Which technology should a customer choose to directly connect an external storage array?

- A. FICON
- B. FCoE
- C. ESCON
- D. SAS

**Answer:** D

**NO.189** What process divides the data into blocks across multiple disk drives?

- A. Parity
- B. Striping
- C. Mirroring
- D. Redundancy

**Answer:** B

**NO.190** A system administrator is troubleshooting a server that can't access any website on the internet. The administrator is entering the URL of the website into a web browser, and an error message pops up "This site can't be reached." However, the administrator has verified that the server can ping internal network devices.

Which network service has to be configured on the server to be able to reach to the internet?

- A. OSPF
- B. ARP
- C. DNS
- D. DHCP

**Answer:** C

**NO.191** What is maximum number of iDRAC Virtual Console sessions that can be run simultaneously?

- A. 5
- B. 4
- C. 6
- D. 7

**Answer:** C

**NO.192** Where can a history of change related to hardware components for a managed system be found?

- A. Windows Event Logs
- B. Raid Controller Logs
- C. Lifecycle Logs
- D. System Event Logs

**Answer:** C

**NO.193** A server administrator has been receiving reports of high CPU utilization on a Windows Server.

Which tool can they use to check for any applications that are using excessive amounts of CPU time?



- A. Lifecycle Controller
- B. OMSA
- C. SAE
- D. Task Manager

**Answer:** D

**NO.194** What is an example of a dedicated server?

- A. Virtual Switch server
- B. Clustered server
- C. Database server
- D. Secure Shell server

**Answer:** C

**NO.195** A system administrator notices that a client system cannot access the Internet. The IP address is

169.254.10.26. The client system is correctly wired.

Which server role should the administrator investigate?

- A. PROXY
- B. TCP/IP
- C. SNMP
- D. DHCP

**Answer:** D

**NO.196** Which is an example of Host Channel Adapter?

- A. An adapter that combines functionality of Ethernet and FC
- B. PERC in PCIe adapter form factor with external connectors
- C. GPGPU PCIe card
- D. InfiniBand PCI card

**Answer:** D

**NO.197** Which RAID configuration provides the lowest redundancy level?

- A. RAID 5
- B. RAID 6
- C. RAID 50
- D. RAID 60

**Answer:** A

**NO.198** An administrator needs to configure RAID 1 in System Setup. Place the sequence in the correct order.

**Answer Area**

Create Virtual Disk	Step 1
Select RAID Level 1	Step 2
Select controller from Device Settings	Step 3
Select Physical Disks	Step 4
Select Configuration Management in the RAID Controller Main Menu	Step 5
Select Main Menu Create Virtual Disk	Step 6

**Answer:****Answer Area**

Create Virtual Disk	Select controller from Device Settings
Select RAID Level 1	Select Configuration Management in the RAID Controller Main Menu
Select controller from Device Settings	Select RAID Level 1
Select Physical Disks	Select Main Menu Create Virtual Disk
Select Configuration Management in the RAID Controller Main Menu	Select Physical Disks
Select Main Menu Create Virtual Disk	Create Virtual Disk

**NO.199** A company uses a monolithic application server to handle a database, email, and file sharing at the same time. The system administrator has been asked to migrate this infrastructure on the same server using virtualization.

The goal is to split roles of the previous server across three different VMs and improve efficiency for each task by giving each VM the optimized amount of resource required for the affected task (CPU, memory, and hard drive).

What is common to all VMs after the migration?

- A. Use the same VM files
- B. Use the same role
- C. Share the same hardware
- D. Consume the same amount of resources

**Answer:** C

**NO.200** What protocol is used by the In-Band Management tools for basic communication and messaging?

- A. ICMP
- B. SMTP
- C. SNMP
- D. RedFish

**Answer:** C

**NO.201** Which log can be viewed in the iDRAC?

- A. Security Log
- B. Error Log
- C. Lifecycle Log
- D. Application Log

**Answer:** C

**NO.202** Refer to the exhibit.



Which server component is shown?

- A. NVDIMM battery
- B. bNDC
- C. rNDC
- D. PERC

**Answer:** D

**NO.203** A server room has two power grids, A and B. PSU1 on each server is on grid A, and PSU2 is on grid B. Grid B has significantly lower load compared to grid A. What is the most likely cause of the unbalanced power load?

- A. PSU1 is a higher wattage power supply than PSU2
- B. Hot spare feature is enabled in power supply configuration
- C. PSU1 is always the primary power supply
- D. UPS and PDU are not installed to balance the load

**Answer:** C

**NO.204** Which initial menu option should be chosen from the iDRAC Virtual Console to access System Setup?

- A. Lifecycle Controller
- B. Next Boot
- C. Normal Boot
- D. Virtual CD/DVD

**Answer:** B

**NO.205** An IT architect is asked to provide a Dell EMC modular infrastructure. It must be a hybrid platform that combines the density and efficiencies of blades with the simplicity and cost benefits of racks.

Which product should they choose?

- A. VRTX
- B. MX7000
- C. M1000e
- D. FX2

**Answer:** D

**NO.206** A hospital wants to implement hardware security on one of their web servers. Which implementation meets this requirement?

- A. DHCP service
- B. Digital signing
- C. DNS role
- D. TPM

**Answer:** D

**NO.207** A server administrator needs to monitor a Dell EMC PowerEdge server without installing any additional software.

Which management tool is the most appropriate to use?

- A. OME
- B. SAE
- C. iDRAC
- D. OMSA

**Answer:** C

**NO.208** What are systems management activities conducted by Dell EMC PowerEdge administrators?

- A. Segment system networks to ensure security of the environment, and keep traffic from causing bottlenecks
- B. Manage standalone systems individually on a one-to-one interface, ensuring individualized configuration for each system and isolating it from other servers
- C. Manage licensing compliance on a single cluster, to keep compliance with software vendors around the globe
- D. Create, deploy, and replicate template-based configurations optimized for workload performance as well as manage multiple systems from a single workstation

**Answer:** D

**NO.209** How can an administrator access a record of alerts in the iDRAC GUI?

- A. System > Details
- B. Troubleshooting > Lifecycle Log
- C. Maintenance > System Event Log
- D. System > Overview

**Answer:** A

**NO.210** A system administrator wants to view the results of the Best Practices Analyzer (BPA) for their local server.

Which Windows built-in tool can they use to accomplish this?

- A. Activity Monitor
- B. Server Manager-Local Server
- C. Resource Monitor
- D. Security Compliance Manager

**Answer:** B

**NO.211** An administrator is tasked with maximizing the processing power of a Dell EMC PowerEdge system.

What should the administrator consider doing?

- A. Use larger CPU sockets
- B. Overclock the system
- C. Add more network ports

**D.** Increase the CPU core count

**Answer:** D

**NO.212** Which RAID level is recommended for high speed data access and maximum storage capacity?

**A.** RAID 0

**B.** RAID 1

**C.** RAID 5

**D.** RAID 6

**Answer:** A

**NO.213** An administrator is implementing LTO-4 drives in their backup solution. They plan to disable hardware data compression through their backup appliance.

What is the maximum data rate that can be achieved?

**A.** 80 MB/s

**B.** 120 MB/s

**C.** 140 MB/s

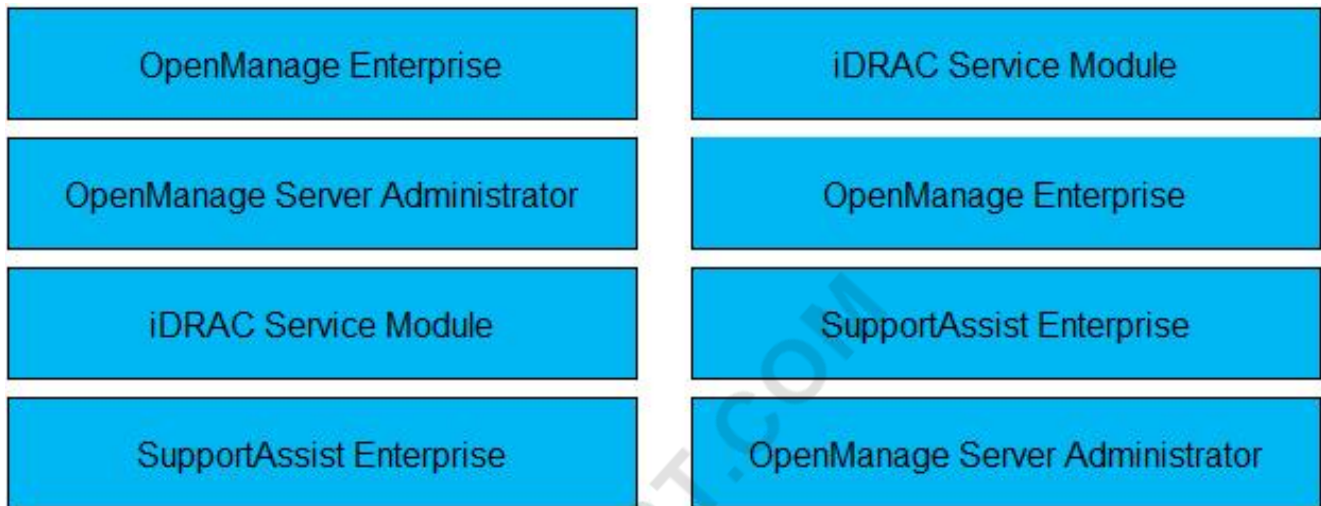
**D.** 160 MB/s

**Answer:** C

**NO.214** Match the management tool to its description.

OpenManage Enterprise	Automatic case creation
OpenManage Server Administrator	One-to-many management console
iDRAC Service Module	OS-resident agent
SupportAssist Enterprise	One-to-one management console

**Answer:**



**NO.215** Where can an administrator view alerts in the iDRAC?

- A. Quick Sync > QR Code
- B. Settings > Alerts
- C. Help > QR Code
- D. Maintenance > System event log

**Answer:** D

**NO.216** A company is using IP addresses in the private IP address space. What will the network administrator need to connect this network to the internet?

- A. NAT gateway
- B. Static router
- C. Network bridge
- D. Stateful inspection firewall

**Answer:** A

**NO.217** A backup administrator is migrating their tape drive backup solution from LTO-4 to LTO-6 generation.

Both LTO-3 and LTO-4 media are presently in use. All LTO-4 drives are to be replaced by LTO-6 drives, but the administrator plans to avoid replacing a maximum amount of the tapes already in use.

What should the administrator do to accomplish this task?

- A. Back up all critical data on at least LTO-4 tapes in order to be read it from their new LTO-6 drives.
- B. Back up all critical data from LTO-3 tapes to LTO-4 tapes  
Next, back up LTO-4 tapes to LTO-5 tapes  
Next, back up LTO-5 tapes to LTO-6 tapes
- C. Nothing, the administrator will still be able to read any tape currently in use with their LTO-6 drive and will be able to retrieve data if needed
- D. Back up all critical data from LTO-3 tapes to LTO-4 tapes  
Next, back up LTO-4 tapes to LTO-5 tapes

**Answer:** A

**NO.218** How does Error Correcting Code (ECC) Memory function?



- A. ECC installs firmware to mask errors, so the BIOS does not crash
- B. ECC halts all processes until detected faults are resolved
- C. ECC DIMMS work by adding 8 bits and extra chips to the system
- D. ECC DIMMS require an extra pair of DIMMS to be installed, to use for redundancy in case something fails

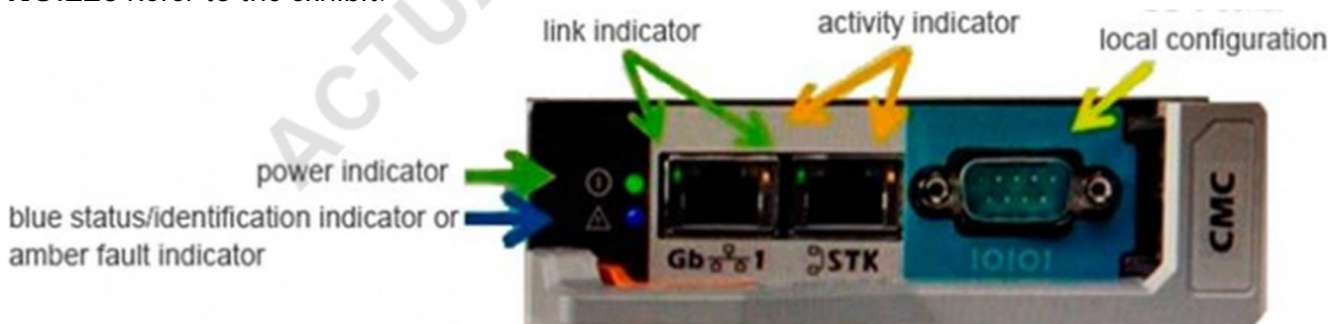
**Answer:** C

**NO.219** Why is a mandatory practice to review the service manual prior to replacing or reseating components on a Dell EMC PowerEdge server?

- A. Service manual provides vital information on which live wires in the system to avoid, to ensure electric shock does not occur
- B. Service manual describes how to reconfigure the server for optional performance-boosting settings, increasing efficiency
- C. Service manual covers crucial cable routing and special part handling instructions
- D. Service manual gives detailed instructions at which firmware levels the components should run

**Answer:** C

**NO.220** Refer to the exhibit.



An administrator has a standalone M1000e chassis with only a single CMC module. The CAT6 cable is plugged into the Ethernet port closest to the DB-9 connector. The power indicator light is lit but the administrator is unable to access the CMC module.

What could be the cause of this issue?

- A. No DB-9 serial cable is plugged in
- B. CMC module was removed without powering off the chassis
- C. CAT6 cable into the stacking port
- D. CAT5 cable is required for connection to CMC

**Answer:** C

**NO.221** A system administrator is unable to install Hyper-V on a Microsoft Windows Server 2016. What is a possible reason for this issue?

- A. System has 2 GB memory
- B. System is equipped with a 64-bit processor
- C. Virtualization feature turned on in BIOS
- D. Standard license is installed

**Answer:** A



**NO.222** How can an administrator access the System Setup menu from the Lifecycle Controller?

- A.** Select "System Setup" from the left-hand menu, then select "Advanced Hardware Configuration"
- B.** The Lifecycle Controller cannot access System Setup; the server must be rebooted
- C.** Select "Hardware Configuration" from the menu on the left, then select "BIOS Configuration Wizard"
- D.** Select "System Setup" from the left-hand menu, then select "Basic Hardware Configuration"

**Answer:** A

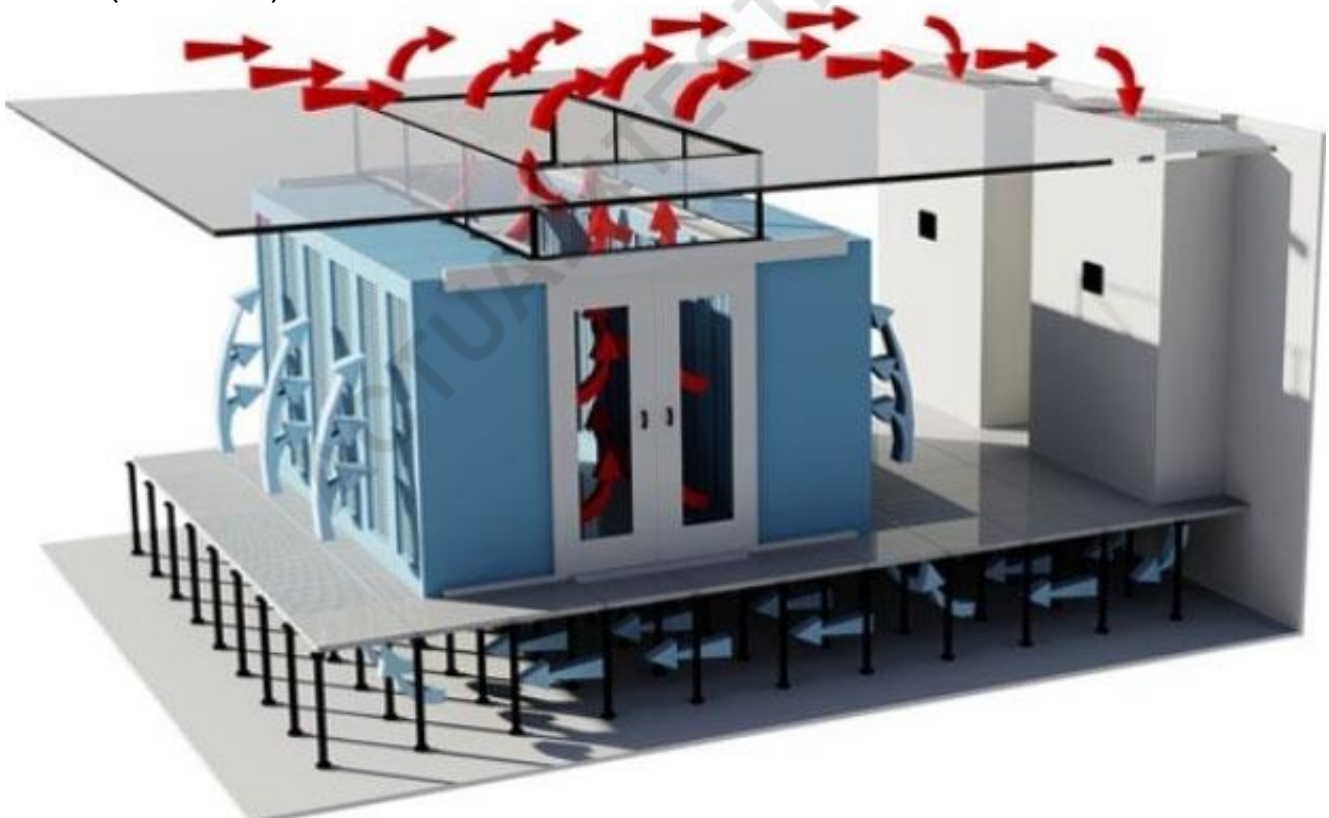
**NO.223** A customer looks for a storage solution to boot the hypervisor, where one is active and the other standby.

Which solution will allow the requirement?

- A.** BIOS
- B.** iDSDM
- C.** BOSS
- D.** UEFI

**Answer:** B

**NO.224** Based on the graphic, which data center mechanism is converting warm air (red arrows) to cold air (blue arrows)?



- A.** Hot Aisle Containment
- B.** Computer Room Air Handlers
- C.** Power Usage Effectiveness
- D.** Evaporative Cooling Tubs

**Answer:** B

**NO.225** Which type of server eliminates resource silos and manages physical, virtual, and logical infrastructures?

- A. Software-Defined Servers
- B. Tower Servers
- C. Modular Servers
- D. Accelerated Servers

**Answer:** C

**NO.226** What does well organized documentation help a system administrator improve?

- A. Cost of running a server
- B. Visibility of a system during an audit
- C. Processor efficiency
- D. Recovery time in the event of a failure

**Answer:** D

**NO.227** An administrator must launch the Boot Manager page to access the Lifecycle Controller. What key should be used during POST?

- A. F2
- B. F10
- C. F11
- D. F12

**Answer:** A

**NO.228** An administrator has configured an iSCSI storage array directly connected to a production server.

The production application installed on the server relies on a database accessing data in the storage array. Clients are accessing the application through the local network.

Which storage infrastructure is described above?

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

**Answer:** C

**NO.229** What are characteristics of a UTP Ethernet cable?

- A. High noise and higher costs
- B. Less susceptible to noise and lower costs
- C. High noise and lower costs
- D. Less susceptible to noise and higher costs

**Answer:** C

**NO.230** An administrator needs to set up a RAID of at least 4 disks that can sustain the failure of only one disk and is cost effective.

Which RAID level fulfills these requirements?

- A. RAID 0
- B. RAID 5
- C. RAID 6
- D. RAID 10

**Answer:** B

**NO.231** Based on the exhibit, which device is a Boot Optimized Storage Solution (BOSS) Controller?



- A. A
- B. B
- C. C
- D. D

**Answer:** A

**NO.232** What is a consideration for a hardware administrator who is physically installing multiple servers into a rack?

- A. Observe load requirements specified in documentation for the switch.
- B. Avoid unevenly loading the rack and creating a hazard.
- C. Ensure that the server can connect to Windows updates
- D. Ensure that the associated UPS can also power the top-of-rack switch.

**Answer:** B

**NO.233** A server administrator needs to deploy and later configure a new server from a remote location.

Which tool do they need to achieve this?

- A. SAE
- B. iDRAC
- C. WDS
- D. OMSA

**Answer:** B

**NO.234** Which RAID configuration requires the most disk overhead?

- A. RAID 5
- B. RAID 6
- C. RAID 50
- D. RAID 60

**Answer:** D

**NO.235** Where can a system administrator check and change power supply redundancy options on a Dell EMC PowerEdge server?

- A. UEFI BIOS
- B. iDRAC GUI
- C. PXE web interface
- D. Dell Power Manager interface

**Answer:** B

**NO.236** Which technical concept does Disk Mirroring use?

- A. Calculation of data from at least two disks that is stored on another disk
- B. Division of data into blocks and spreading the data across hard drives
- C. Duplication of system components for backup in case of failure
- D. Duplication of data across separate hard drives

**Answer:** D

**NO.237** A customer requires a solution that allows data in RAM to be retained in case of power loss. Which technology should be used?

- A. NVDIMM
- B. DDR DIMM
- C. NVMe
- D. SDRAM

**Answer:** A

**NO.238** What is the main purpose of Virtual Memory?

- A. Increase physical memory.
- B. Increase system performance.
- C. Add a layer of redundancy.
- D. Add a copy of files.

**Answer:** B

ACTUAL4TEST.COM