

Exam Questions HPE0-S54

Designing HPE Server Solutions

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NEW QUESTION 1

Your customer is building out their own object-based storage solution. They initially developed the object store using DL380 Gen9 servers but are now looking for a solution that is purpose built to provide the additional storage.

Which solution should you recommend?

- A. DL580 Gen10
- B. Apollo 4510 Gen10
- C. ML350 Gen10
- D. DL560 Gen10

Answer: B

NEW QUESTION 2

A customer operates a High Performance Cluster (HPC) environment and wants to innovate and maximize GPU processing. Which solution should the customer use for scaling-out?

- A. Apollo
- B. ProLiant DL servers
- C. Synergy
- D. ProLiant c-Class

Answer: A

NEW QUESTION 3

A financial customer has a remote office that requires a significant amount of computing resources, but has no local IT staff. They need simple and affordable management and disaster recovery of their site.

Which solution should you recommend to meet this customer's needs?

- A. HPE ConvergedSystem 300
- B. HPE SimpliVity 380
- C. HPE StoreOnce 5100
- D. HPE Serviceguard for Linux

Answer: B

NEW QUESTION 4

A customer has an existing mission-critical application running on a highly available, non-virtualized UNIX platform. What should you recommend for support of their business-critical application for x86?

- A. Processor L3 cache
- B. Intel Xeon E5 processors
- C. Processor hyperthreading
- D. Intel Xeon E7 processors

Answer: C

NEW QUESTION 5

A customer is designing an infrastructure and plans to host multiple tenants in the environment. The customer needs several thousand network segments to be used on a single physical network.

Which solution should the customer use?

- A. Remote Direct Memory Access
- B. Virtual Connect FlexFabric
- C. Overlay networks
- D. Data Center Bridging

Answer: C

NEW QUESTION 6

A customer needs to track contract and warranty status and monitor support cases. What service option should you recommend?

- A. HPE UEFI Diagnostics
- B. HPE Proactive Service Credits
- C. HPE Insight Online
- D. HPE iLO5 Federation

Answer: B

NEW QUESTION 7

During a presentation on Synergy fabric technology, a customer states that they would not purchase Virtual Connect modules because they would be paying for Fibre Channel technology that they have no intention of using.

How should you handle this objection?

- A. Explain to the customer that the only Fibre Channel support is through FCoE and does not add to the module cost.
- B. Explain to the customer that HPE does not pass on the cost of including Fibre Channel support to the customer.

- C. Inform the customer that native Fibre Channel support is an optional, licensed feature.
D. Inform the customer that native Fibre Channel support is provided through an optional daughterboard.

Answer: D

NEW QUESTION 8

A customer has an existing Hadoop installation built on DL380 Gen9 24SFF servers. You need to review their existing installation and provide recommendations on how to achieve their stated storage density goal of over 5PB per server cabinet.
Which HPE solution should you recommend?

- A. HPE DL580 Gen10
B. HPE Apollo 6500
C. HPE Apollo 4510
D. HPE ML350 Gen10

Answer: C

NEW QUESTION 9

A customer temporarily needs to add an additional network connection to a provisioned server that is being actively managed by OneView. The server is currently powered down. Which top level option should they click as the first step?

OneView					
General	Servers	Networking	Storage	Facilities	
Dashboard	Server Profiles	Networks	Volumes	Data Centers	Settings
Activity	Server Profile Templates	Network Sets	Volume Templates	Racks	Users and Groups
Firmware Bundles	Enclosure Groups	Logical Interconnect Groups	Storage Pools	Power Delivery Devices	
Reports	Logical Enclosures	Logical Interconnects	Storage Systems	Unmanaged Devices	
	Enclosures	Interconnects	SANs		
	Server Hardware	Logical Switch Groups	SAN Managers		
	Server Hardware Types	Logical Switches			
		Switches			

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

OneView					
General	Servers	Networking	Storage	Facilities	
Dashboard	Server Profiles	Networks	Volumes	Data Centers	Settings
Activity	Server Profile Templates	Network Sets	Volume Templates	Racks	Users and Groups
Firmware Bundles	Enclosure Groups	Logical Interconnect Groups	Storage Pools	Power Delivery Devices	
Reports	Logical Enclosures	Logical Interconnects	Storage Systems	Unmanaged Devices	
	Enclosures	Interconnects	SANs		
	Server Hardware	Logical Switch Groups	SAN Managers		
	Server Hardware Types	Logical Switches			
		Switches			

NEW QUESTION 10

A customer recently purchased HPE ProLiant Gen10 servers, but finds that their application does not appear to benefit from the newest Xeon processors.
Which features should be configured in the BIOS to overcome the issue?

- A. Server Profile Templates
B. SA Mode

- C. Workload Profiles
- D. High Precision Event Timer

Answer: A

NEW QUESTION 10

You prepared a proposal for a customer that plans to deploy Hyper-V clusters that include network adapters with RoCE support. The customer would like to know why this specific adapter was included in the proposal.
How would you explain your choice?

- A. RoCE adapters offer Secure Encryption functionality that can help to secure migration traffic
- B. RoCE adapters are the only adapters certified to use in Hyper-V based cluster
- C. RoCE adapters can use 100 Gb/s speed for internal virtual machine migrations
- D. RoCE adapters will improve performance for live migration and Microsoft SMB Direct environments

Answer: D

NEW QUESTION 14

A customer is purchasing a large number of servers for a business critical application. They are concerned about return to service times and want immediate assistance with critical events.

Which HPE service meets the customer's needs?

- A. HPE Proactive Service Credits
- B. HPE Proactive Care Advanced
- C. HPE Proactive Care
- D. HPE Foundation Care

Answer: C

NEW QUESTION 19

A customer purchased HPE ProLiant Gen10 servers. The customer is transitioning from a physical to a virtual environment.

Which feature should be enabled to ensure that they get the optimal performance from their new servers?

- A. UEFI optimized boot
- B. Integration with an HPE OneView for VMware vCenter
- C. Performance optimization using the workload profiles
- D. OneView OS Build Plan

Answer: C

NEW QUESTION 24

A customer has installed a D3940 storage module in an existing Synergy frame. However, none of the compute modules can access the shared storage.

What is the problem?

- A. The storage module has not been initialized in the composer
- B. There are no SAS modules installed in bays 1 and 4
- C. There are no fibre channel modules installed in bays 1 and 4
- D. The I/O modules have not been initialized in the composer

Answer: B

NEW QUESTION 26

You are developing a proposal for a new HPE customer that is concerned about managing mixed server vendors in their environment.

Which feature should you highlight in your proposal to address the customer's concern?

- A. Redfish API
- B. OneView RESTful API
- C. Intelligent Provisioning
- D. System Management Homepage

Answer: A

NEW QUESTION 28

A customer asks for a network technology that will maximize throughput and minimize latency and CPU utilization across servers using SMB Direct and 10Gb Ethernet.

Which technology should you propose?

- A. TCP/IP Offload Engine
- B. RDMA
- C. virtual extensible LAN (VXLAN)
- D. InfiniBand

Answer: B

NEW QUESTION 30

A customer completed a successful Synergy PoC consisting of a single frame with dual composers and dual Virtual Connect SE 40Gb F8 modules. The customer needs additional frames to allow for growth. They require 20GB to each compute module. How may additional frames can be added to the existing logical enclosure?

- A. 1
- B. 2
- C. 3
- D. 5

Answer: C

NEW QUESTION 33

What must a customer consider when adding a connection to a Server Profile Template? (Select two.)

- A. Server Profiles will automatically be refreshed
- B. The associated Servers will need to be rebooted
- C. Additional Server Profiles will need to be created
- D. The associated Server Profiles will be flagged as inconsistent
- E. Server Profiles will need to be updated from the template

Answer: BE

NEW QUESTION 35

Your customer is interested in Synergy and composable infrastructure. They are concerned that operational savings may not meet expectations since operating system installation consumes a great deal of time. Which feature should you highlight to overcome the objection?

- A. The Synergy Composer provides HTTPS boot services
- B. The Synergy Frame Link modules provide PXE operating boot partitions
- C. The Synergy Composer can provision operating systems in seconds
- D. The Synergy Image Streamer can provision operating systems in seconds

Answer: D

NEW QUESTION 40

Match the HPE management tool to the customer situation. (Each customer situation may be used more than once or not at all.)

	Customer Situation	Management Tool
Built in tools managing single systems		Remote Support
Cloud-based tools to manage multiple systems	⬅	HPE OneView
Customer site tools to manage multiple systems	➡	Insight Online
		iLO Amplifier Pack

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Built in tools managing single systems – not used

Cloud-based tools to manage multiple systems – Remote Support and Insight Online

Customer site tools to manage multiple systems – HPE OneView and iLO Amplifier Pack

NEW QUESTION 44

A c7000 customer wants to expand their server environment. You want to encourage them to move to Synergy to prepare them for the future. Which question should you ask?

- A. Is there a requirement for enhanced security on the management network?
- B. Do they want to maximize the memory footprint of their servers?
- C. Does their application workload benefit from persistent memory?
- D. Are they planning to purchase ProLiant Gen10 servers as part of the project?

Answer: A

NEW QUESTION 45

What is required to enable Jitter Smoothing technology? (Choose two.)

- A. HPE Apollo
- B. ProLiant Gen 10
- C. HPE Synergy
- D. HPE Cloudline
- E. iLO5 Advanced

Answer: BE

NEW QUESTION 48

A customer plans to expand in the future to an HPE Synergy installation with SAS connectivity. What should you explain to the customer regarding SAS connectivity?

- A. External storage devices can be connected to the SAS Synergy switches only if they were installed prior Composer configuration
- B. SAS connectivity will require additional licenses
- C. It will be not possible to add SAS connectivity to the existing environment if the logical enclosure is configured
- D. SAS connectivity is supported only in the first fabric, so it should not be used for any other connections

Answer: A

NEW QUESTION 51

What must a customer consider when adding an uplink set to a Logical Interconnect Group? (Choose two.)

- A. Additional Logical Interconnects will need to be created
- B. The associated Logical Interconnects will be flagged as inconsistent
- C. Logical Interconnects will need to be updated from the group
- D. Logical Interconnects will automatically be restarted
- E. Logical Interconnects will need to be restarted

Answer: CE

NEW QUESTION 55

A customer has thousands of ProLiant and Apollo servers in their datacenter. The customer needs a tool that will help them with firmware and driver updates. Which iLO Amplifier Pack feature should you emphasize during a conversation with this customer?

- A. support for 3Par and StoreVirtual
- B. support for iLO Federation
- C. firmware management for Integrity servers
- D. integration with System Center and vCenter Server

Answer: B

NEW QUESTION 59

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