

Exam Questions HPE0-S54

Designing HPE Server Solutions

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NEW QUESTION 1

Where can you find customer-ready HPE content to describe the benefits of a solution you are recommending?

- A. HPE Proposal Web
- B. HPE OneConfig Advanced
- C. HPE Synergy Planning Tool
- D. HPE Single Point of Connectivity Knowledge

Answer: A

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

Your customer has 500 SY480 Gen10 compute nodes running a variety of physical and virtual workloads. They are looking for a way to get a unified view of the entire environment.

Which product should you recommend?

- A. HPE OneView for VMware vCenter
- B. HPE OneView Global Dashboard
- C. HPE OneView for Microsoft System Center
- D. HPE OneView for Red Hat Enterprise Virtualization

Answer: B

NEW QUESTION 4

A customer is looking to add StoreVirtual VSA to their HPE Synergy environment. Which questions should you ask to ensure success?

- A. Is there adequate rack space for expansion?
- B. Which servers are currently being utilized?
- C. Is fiber channel or iSCSI being utilized?
- D. Which applications are running?

Answer: D

NEW QUESTION 5

A customer is planning a new virtualization project and requests assistance with preparing a proposal for his management team.

Which financial information can be generated using the Alinean toolset? (Choose two.)

- A. licensing costs
- B. payback period
- C. cash flow
- D. bill of materials
- E. roles and responsibilities

Answer: BC

NEW QUESTION 6

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 7

A customer reports a recent SSD drive failure in an HPE D2220sb Storage Blade that hosts a Virtual Desktop Infrastructure environment. The customer is concerned about the remaining expected lifetime of the SSD drives in its array. Which tool includes the SmartSSD Wear Gauge report that identifies drives at risk failure?

- A. HPE Smart Storage Administrator
- B. HPE OneView (Volumes screen)
- C. Option ROM Configuration for Arrays

D. HPE SmartCache

Answer: A

Explanation:

Reference https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-c04455150

NEW QUESTION 8

Your customer wants to add additional five HPE Synergy frames to an existing environment based on ten frames. The customer wants to know how to add new frames to existing infrastructure. How should you explain the expansion process?

- A. Add required licenses to the HPE Composer, and add them to the existing logical enclosure
- B. Add additional HPE Composer to match a 3:1 frame-to –Composer ratio
- C. Discover new frames in HPE Composer, and add them to the existing logical enclosure
- D. Add new frames to the existing management ring using Frame Link Modules

Answer: D

NEW QUESTION 9

You have a customer who has thousands of ProLiant servers spanning Gen8, Gen9, and Gen10 across multiple server models (Rack, Tower, Blade, Apollo), all licensed with iLO Advanced. The customer needs an effective way to inventory and update the firmware across the environment. Which tool should you recommend?

- A. iLO Amplifier Pack
- B. OneView
- C. Intelligent Provisioning
- D. SUM (System Update Manager)

Answer: A

NEW QUESTION 10

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 is experiencing high latency in an Apollo r2200 Gen9 SFF system. They want to upgrade performance with new units. Which servers in the Apollo line will increase performance while maintaining similar architecture? (Choose two.)

- A. Apollo 6000 Gen10
- B. Apollo r2800 Gen10
- C. Apollo 4510 Gen10
- D. Apollo r2200 Gen10
- E. Apollo r2600 Gen10

Answer: BE

NEW QUESTION 14

A customer needs to maximize Hyper-V Live Migration performance. What technology will meet the customer's requirement?

- A. virtual extensible LAN(VXLAN)
- B. Fibre Channel over Ethernet (FCoE)
- C. network virtualization using generic routing encapsulation (NVGRE)
- D. RDMA over Converged Ethernet (RoCE)

Answer: D

NEW QUESTION 16

A customer is using HPE Smart Update Manager (SUM) for firmware update. They plan to add 100 Gen10 ProLiant servers, and they are concerned about whether HPE SUM will be able to support this size of installation. What other option could the customer use for firmware updates that has increased scalability?

- A. iLO Advanced Premium Security Edition
- B. Insight Control server provisioning
- C. Insight Cluster Management Utility
- D. iLO Amplifier Pack

Answer: D

NEW QUESTION 18

You need to demonstrate the runtime firmware verification scan functionality on a ProLiant DL380 Gen10 server. You find that the option is not available in the UEFI interface. What is the most likely cause of the problem?

- A. The server boot mode is set to UEFI
- B. The Onboard Administrator has not been initialized
- C. The file firmware-ilo5-1.10.1.1.x86_64.rpm is the incorrect version
- D. The required iLO license has not been installed

Answer: D

NEW QUESTION 21

While preparing to implement a Synergy solution, you notice the uplinks are all rated at 10Gb/s and consume four of the HPE Virtual Connect SE 40Gb F8 Module ports. They want to maximize free ports for future growth. Which change would improve the design and increase customer satisfaction?

- A. Use a QSFP+ transceiver and AOC in place of the SFP+ DAC cables.
- B. Use a QSFP+ AOC, and remove the SFP+ DAC cables and QSFP+ to SFP+ adapters.
- C. Use a QSFP+ DAC splitter cable, and remove the SFP+ DAC cables and QSFP+ to SFP+ adapters.
- D. Use a MPO to Quad LC splitter cable in place of the SFP+ DAC cables.

Answer: C

NEW QUESTION 26

Which product automatically generates reports on collected lifecycle management events?

- A. HPE ONEView Global Dashboard
- B. HPE OneView
- C. Insight Online
- D. Insight Control

Answer: C

NEW QUESTION 31

A customer is planning an expansion and they are considering iLO Amplifier as their future firmware management tool. They need to plan their budget and learn which additional licenses will be required.

What is the minimum license that will meet this customer's upgrade path needs?

- A. iLO Advanced Premium Security Edition
- B. iLO Advanced license
- C. Insight Control server provisioning license
- D. Insight Cluster Management Utility license

Answer: B

NEW QUESTION 32

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 37

A customer needs to install Red Hat 7.2 on a few DL380 Gen10 systems. Which tool should be used for this deployment?

- A. Image Streamer
- B. Intelligent Provisioning
- C. OneView
- D. Insight Control server provisioning (ICsp)

Answer: B

NEW QUESTION 39

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 43

A customer needs a solution to support Online Transaction Processing (OLTP) and database workloads. Which Gen10 technology would optimize the environment for the customer?

- A. REST API
- B. Silicon Root of Trust
- C. workload profiles
- D. OneView

Answer: C

NEW QUESTION 48

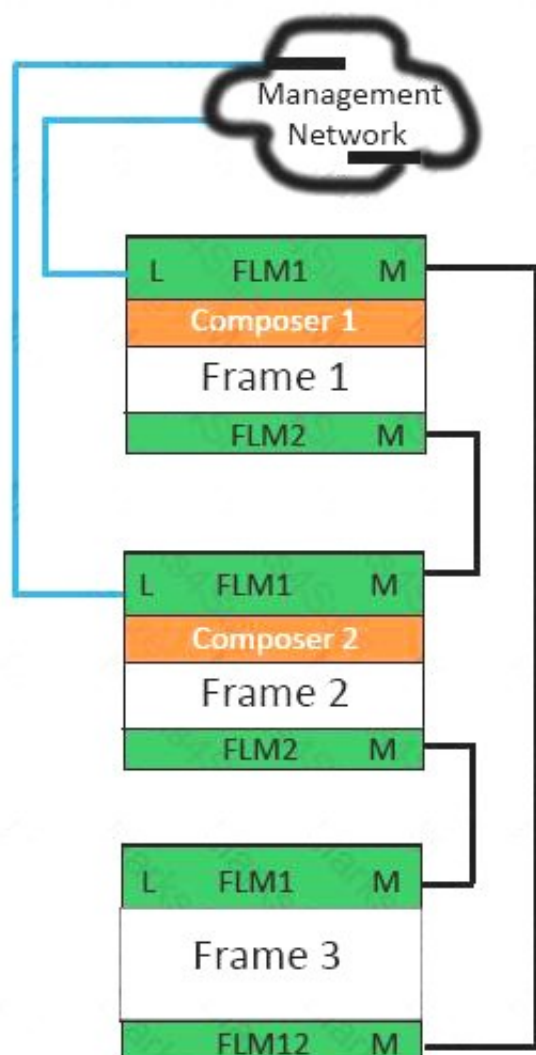
You are developing a proposal for a new HPE customer that is concerned about managing mixed server vendors in their environment. Which feature should you highlight in your proposal to address the customer's concern?

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

Answer: A

NEW QUESTION 50

Refer to the exhibit.



You are installing three Synergy frames for a customer PoC in the configuration shown. The composer is unable to discover the frames. What is the most likely cause of the problem?

- A. Another composer is needed Frame 3
- B. Composer 2 is in the wrong frame
- C. The management network should be connected to the top and bottom frames
- D. The management ring should be connected using the FLM link ports

Answer: A

NEW QUESTION 55

A customer needs a solution to run a read-intensive workload. You propose the following configuration: ☒ HPE ProLiant DL380 Gen10 server

- ☒ HPE Smart Array P408-p SR
- ☒ 6 SFF SAS HDD drives
- ☒ 1 SSD drive
- ☒ RedHat Enterprise Linux 7.0 operating system

The customer needs to lower latency while minimizing investment in new SSD drives. Which HPE Storage technology most effectively lowers latency of the HDD storage?

- A. HPE 12Gb SAS Expander
- B. HPE Secure Encryption
- C. HPE SmartCache
- D. HPE SSD Smart Path

Answer: C

NEW QUESTION 57

A customer has a traditional physical server environment and would like to run an on-site proof of concept (PoC) to evaluate OneView's ability to manage their ProLiant DL380's and their c7000 blades. What does the customer need to implement this PoC?

- A. Synergy composer
- B. iLO Amplifier Pack
- C. a supported hypervisor
- D. Synergy Image Streamer

Answer: B

NEW QUESTION 60

A retail customer's real-time analytics application requires the fastest possible data access and over 768GB of database capacity. Their current HPE ProLiant DL380 Gen9 servers are not meeting the performance requirements. What should you recommend? (Choose two.)

- A. iLO5 Advanced licenses
- B. HPE Scalable Persistent Memory
- C. HPE ProLiant DL380 Gen10 servers
- D. PCIe Workload Accelerator

Answer: CD

NEW QUESTION 63

One of the DL380 Gen10 servers in your infrastructure has failed to boot after a 3rd party PCIe NIC was installed. What is the most likely cause of this issue?

- A. HPE does not allow 3rd party PCIe cards.
- B. The latest Support pack for ProLiant must be used before accessing any additional 3rd party products in the server.
- C. The manufacturer did not digitally sign the correct firmware and HPE Secure Boot halted the process.
- D. The iLO interface did not have a correct IP address provided from DHCP.

Answer: C

NEW QUESTION 67

A customer is using a DL380 Gen10. They attempt to boot an installation media ISO with iLO Virtual Media, and the system fails to access the ISO. What are the most likely causes of this issue? (Select two.)

- A. HPSSA drives are configured for RAID 1 and not RAID 5
- B. Legacy Boot is not enabled and the media is not UEFI compatible
- C. Secure Boot has derived access to the ISO
- D. The ISO operating system is not supported by HPE
- E. UEFI is not configured for iSCSI initiator support

Answer: CD

NEW QUESTION 68

Your customer has completed a successful Synergy Proof of Concept (PoC) consisting of a single frame with dual composers and dual Virtual Connect SE 40Gb F8 modules.

The customer wants to:

- ☒ add a second frame before they move into production
- ☒ have unified management
- ☒ have a separate logical enclosure for each frame

What are the basic steps to add the second frame? (Choose three.)

- A. Move the standby composer to the second frame.
- B. Disconnect the existing management ring, and then cable the FLM (frame link module) in the first frame to the FLMs in the second frame.
- C. Install a satellite module in the first frame.
- D. Move the bottom VC module from the first frame to the second.
- E. Move one of the uplinks from the FLM in the first frame to a FLM in the second.

Answer: ABE

NEW QUESTION 70

A customer wants to implement HPE Synergy with 20Gb connectivity.

What should an architect emphasize during a meeting with this customer?

- A. A maximum of 3 frames can be stacked together when 20 Gb connectivity is required.
- B. SAS connectivity will be supported only on third fabric.
- C. A Composer must be installed in each frame.
- D. 20Gb connectivity will require additional licenses applied to the downlink ports.

Answer: A

NEW QUESTION 74

A customer is learning about the performance enhancements of a new DL380 Gen10 system. How does this system help with performance problems?

- A. enables faster L4 cache on CPU
- B. provides scalable persistent memory
- C. provides compatibility with Intel Broadwell processors
- D. eliminates the need for Service Level Agreements for Cloud services and VDI

Answer: B

NEW QUESTION 79

A customer wants to implement a large Microsoft Storage Spaces Direct environment. Which protocol should the customer use?

- A. VXLAN
- B. RDMA
- C. OSPF
- D. NVGRE

Answer: D

NEW QUESTION 80

A customer plans to use RESTful API to deploy their rack of DL380 Gen10 system. How does use of this protocol support the customer? (Select two.)

- A. support multiple scripting languages
- B. Secure remote scripting
- C. Ability to run scripts against multiple servers
- D. Boot via SFTP
- E. Boot via HTTP

Answer: AB

NEW QUESTION 83

A customer wants a highly available storage solution inside HPE Synergy that is comparable via OneView and also accessible outside the enclosure to a DR site at another location.

Which product fits the customer's needs?

- A. HPE StoreVirtual VSA
- B. VMware vSAN
- C. SEPH SUSE
- D. HPE 3PAR StoreServ

Answer: A

NEW QUESTION 85

A customer is installing multiple racks of DL380 Gen10 servers in a datacenter. They need to configure each one with identical BIOS settings.

Which tools are available to solve the situation? (Choose two.)

- A. HPE Active Health System
- B. HPE Smart Update Manager
- C. HPE OneView
- D. HPE ICsp
- E. HPE Intelligent Provisioning

Answer: DE

NEW QUESTION 89

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 90

A customer that runs a database server needs high speed access to the database files. Which internal storage technology offers the best performance?

- A. SAS Nearline
- B. NVMe
- C. SAS HDD
- D. SATA HDD

Answer: B

NEW QUESTION 92

A customer is considering deploying a significant number of HPE BladeSystem Gen10 servers with an HPE 3Par storage solution for a new cloud solution. You propose HPE OneView as the management platform.

Which HPE OneView feature should you emphasize during conversations with the customer?

- A. patch deployment for operating system and storage components
- B. operating system deployment through Image Streamer
- C. servers and storage firmware upgrades
- D. volume presentation from the 3Par and automated zoning

Answer: D

NEW QUESTION 97

What is required to implement Core Boosting? (Choose two.)

- A. HPE Cloudline
- B. HPE Apollo

- C. ProLiant Gen 10
- D. iLO5 Advanced
- E. HPE Synergy

Answer: CD

NEW QUESTION 98

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 99

A customer needs to migrate their current c7000 network and Fibre Channel infrastructure to a converged network. Which interconnect module should the customer use?

- A. HPE Flex10
- B. HPE 8Gb Fibre Channel pass-through
- C. HPE FlexFabric 20/40 F8
- D. HPE 16Gb/24-port Fibre Channel switch

Answer: C

NEW QUESTION 104

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