

HPE0-S54 Dumps

Designing HPE Server Solutions

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NEW QUESTION 1

Match the use case to the management component they should use.

Component	Use Case
HPE Apollo Platform Manager	A customer needs outlet level power control
HPE Insight Cluster Management Utility	A customer needs to control power on individual Apollo servers
HPE Intelligent Power Distribution Unit	A customer needs to create a server profile
HPE Synergy Composer	A customer needs to update BIOS settings in an Apollo Server

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

HPE Apollo Platform Manager – A customer needs to control power on individual Apollo servers
 HPE Insight Cluster Management Utility – A customer needs to update BIOS settings in an Apollo Server
 HPE Intelligent Power Distribution Unit – A customer needs outlet level power control
 HPE Synergy Composer – A customer needs to create a server profile

NEW QUESTION 2

Your customer is on the verge of spending \$1,2M on a new HPE Synergy 120000 deployment for the ERP system. Over the next three years they expect to see \$600,000 per year in earnings. What would the ROI be for the given purchase?

- A. 10%
- B. 20%
- C. 50%
- D. 75%

Answer: B

NEW QUESTION 3

A customer is expanding their blade based infrastructure managed by HPE OneView with an HPE Synergy platform. The customer is familiar with HPE OneView and wants to know if the same management can be used to manage HPE Synergy platform. How should you respond to this question?

- A. HPE Synergy can be managed using the same HPE OneView instance that is used to manage HPE BladeSystem platform.
- B. HPE Synergy can be managed using HPE OneView as long as a separate, dedicated HPE OneView appliance is deployed for HPE Synergy management.
- C. HPE Synergy can be managed by HPE Composer, which is running an embedded version of the HPE OneView
- D. HPE Synergy must be managed with HPE Systems Insight Manager

Answer: B

NEW QUESTION 4

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 5

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 6

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 7

A customer has a two frame Synergy setup with two Virtual Connect SE 40Gb F8 modules and two 20Gb Interconnect Link Module interconnect modules. The customer needs to expand into a third frame.

Which interconnect modules should be used to extend the logical enclosure?

- A. 2 x 20Gb Interconnect Link Modules
- B. 1 x Virtual Connect SE 40Gb F8 Interconnect Link Modules and 1 x 20Gb Interconnect Link Modules
- C. 2 x Virtual Connect SE 40Gb F8 Interconnect Link Modules
- D. 4 x Virtual Connect SE 40Gb F8 Interconnect Link Modules

Answer: A

NEW QUESTION 8

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 9

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 10

A customer has a ProLiant DL based Gen10 server solution hosting an I/O intensive 2TB database. The customer needs to dramatically increase the performance of their existing system.

Which solution will provide the maximum performance possible for their application?

- A. Install HPE Scalable Persistent Memory
- B. Move the OS to an M.2 SSD drive
- C. Upgrade the current processor to a Xeon-Platinum
- D. Install DD4 Smart Memory

Answer: A

NEW QUESTION 10

A customer needs to update the system bios on their DL380 Gen10. They are unable to download the latest Service Pack for ProLiant.

What is the most likely cause of the problem?

- A. Embedded remote support is not enabled on that server
- B. There is no valid SAID contract associated with their HPE passport
- C. The maximum number of servers supported by the agreement has been exceeded
- D. An iLO5 Advanced Premium Security Edition license has not been installed

Answer: B

NEW QUESTION 13

A customer received their three frame Synergy system. However, they are missing a link cable that connects the frame link module between the frames. Which type of cable do they need?

- A. DAC

- B. MPO
- C. CAT6A
- D. AOC

Answer: A

NEW QUESTION 16

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 19

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 20

A customer needs a new compute environment based on HPE Synergy with VMware vSphere 6.5. This needs to interact with the customer's exiting network consisting of 300 independent global sites. Each site has 15 unique VLANs. What network technologies would you recommend to meet the customer requirements?

- A. NVGRE increasing the amount of separated Layer 2 segments
- B. VxLAN as it allows flexibility and suitable for multitenant environment
- C. RDMA as it increases host efficiency and virtualization performance
- D. VLANs as it supports up to 4094 VLAN ids

Answer: B

NEW QUESTION 23

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 28

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 31

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 32

A customer wants to streamline firmware and driver management of their HPE Synergy nodes running VMware hypervisor. They want to implement HPE Smart Update Tools (SUT). Which of the following options applies to the solution?

- A. HPE Support Pack for ProLiant (SPP) is uploaded to Composer and applied to the profile
- B. All VMware updates and drivers are downloaded by HPE OneView
- C. ICsp coordinates firmware and driver updates
- D. Each server must be booted to the SPP through iLO Console virtual media by the administrator

Answer: A

NEW QUESTION 34

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 35

What is a benefit of NVMe technology?

- A. optimized SMB workloads
- B. minimized network bandwidth
- C. lower application costs
- D. low latency data access

Answer: D

NEW QUESTION 40

What are features of the HPE Synergy Planning Tool? (Choose two.)

- A. It creates a REST configuration file based on configuration created
- B. It recommends the best top-of-rack switch
- C. It provides estimated power consumption and weights of the solution
- D. It runs on the Partner Ready Portal
- E. It aids configuration of rack, Frames, compute, storage, fabric and power

Answer: CE

NEW QUESTION 42

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 47

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.

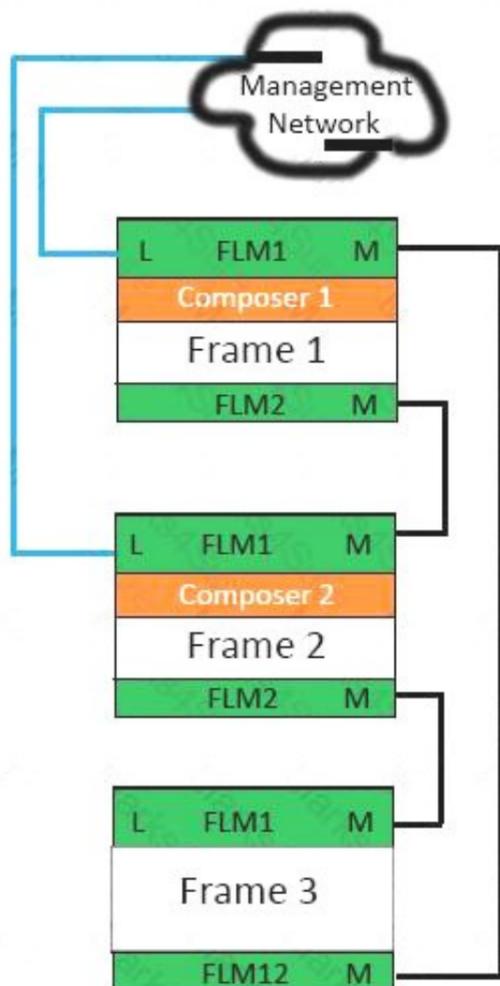
Which technology should you propose?

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

Answer: B

NEW QUESTION 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 54

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 56

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 61

A customer uses VLANs for tenant network separation. However, they are not satisfied with the scalability limits of the setup. Which networking technology will help the service provider to overcome these performance limits?

- A. data center bridging (DCB)
- B. RDMA over Converged Ethernet (RoCE)
- C. network virtualization generic routing encapsulation (NVGRE)
- D. remote direct memory access (RDMA)

Answer: C

NEW QUESTION 63

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 many additional frames can be added to the existing logical enclosure?

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

Answer: C

NEW QUESTION 65

Your customer needs to provide an automated, energy-aware environment that will automatically track power usage and document configurations. Which HPE technology will meet your customer's needs?

- A. Smart Storage Battery
- B. Thermal Discovery Services
- C. Intelligent Power Discovery
- D. Intelligent System Tuning

Answer: C

NEW QUESTION 70

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 75

Which options does a customer have for managing a datacenter with HPE Server Update Tools? (Choose two.)

- A. Service Pack for ProLiant (SPP) automatic downloads from HPE.com
- B. Full functionality with HPE Systems Insight Manager
- C. HPE Insight Control server provisioning
- D. HPE OneView Advanced for full infrastructure management
- E. iLO Amplifier Pack for leveraging iLO Federation

Answer: DE

NEW QUESTION 77

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 82

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 84

A customer is running an Online Transaction Processing (OLTP) application that requires high-speed access to the application files with a minimal latency. Which internal storage technology offers highest performance?

- A. NVMe SSD
- B. M.2 SATA
- C. SATA SSD
- D. SAS SSD

Answer: A

NEW QUESTION 85

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 88

A solution architect wants to verify compatibility between a CNA and a 3PAR system. The Solution Architect is looking for reference material on SAN components, configuration support, and best practices.

What should you use?

- A. HPE Storage Sizer
- B. Brocade Network Advisor (BNA)
- C. Single Point of Configuration Knowledge (SPOCK)
- D. HPE OneView Deployment and Management Guide

Answer: C

NEW QUESTION 89

A customer needs a VDI solution. The amount of compute per U of rack space will be a key point in their solution selection. Which HPE product would be an ideal solution as part of your RFP response?

- A. HPE Apollo 4510 Gen10
- B. HPE Apollo 4200 Gen9
- C. HPE SY480 Gen10
- D. HPE DL580 Gen10

Answer: A

NEW QUESTION 94

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 96

You need to consolidate multiple BOMs, power requirements, and changing criteria of a Converged System due to the review of multiple reference architectures on Microsoft Exchange Server 2016. Which tool should you use?

- A. HPE Sizer for Microsoft Exchange Server 2016
- B. HPE Converged Infrastructure Solution Sizer Suite
- C. HPE Sizer for Server Virtualization
- D. Single Point of Connectivity Knowledge (SPOCK)

Answer: A

NEW QUESTION 97

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 101

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