

HPE0-S54 Dumps

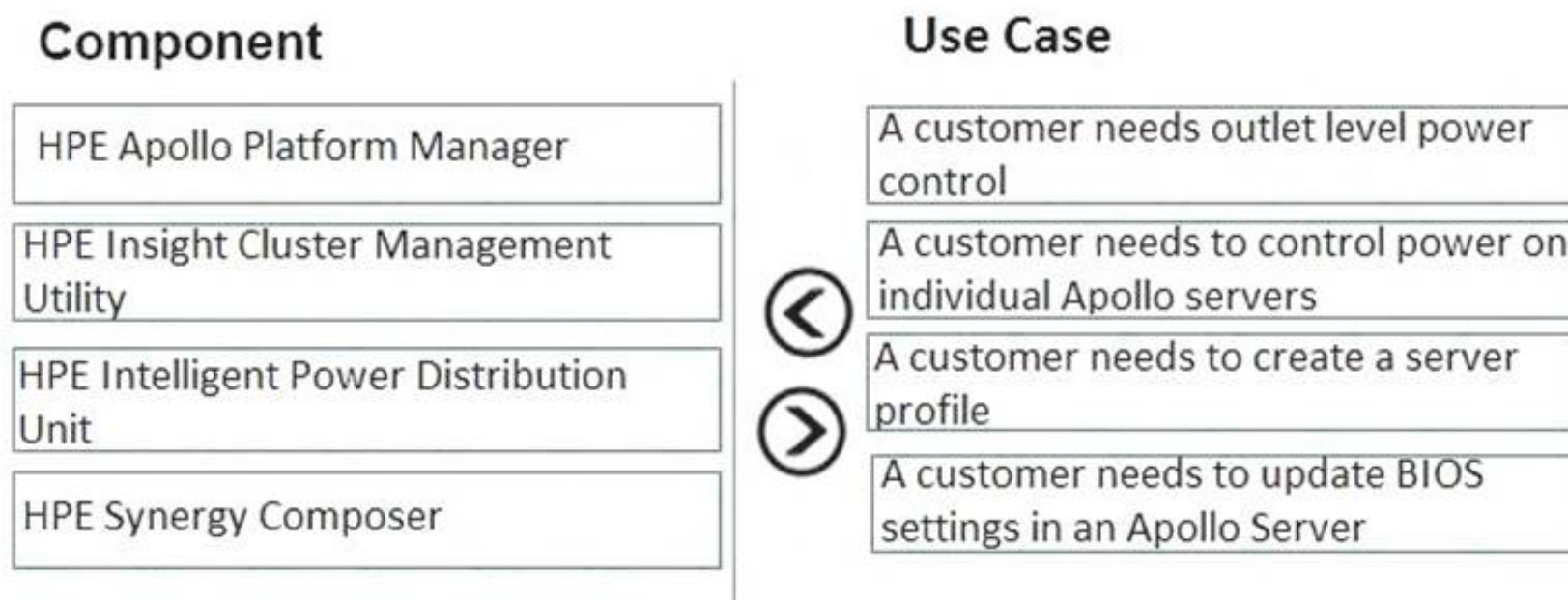
Designing HPE Server Solutions

<https://www.certleader.com/HPE0-S54-dumps.html>



NEW QUESTION 1

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



- 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

A server consolidation solution must include services other than standard HPE CarePack deliverables. What should you include in your proposal to provide the customer with an overview of the project?

- A. terms and conditions
- B. work timeline
- C. scope of work
- D. billing schedule

Answer: C

NEW QUESTION 3

An environmentally sensitive customer has a data center that operates with fresh air cooling. Which feature of HPE ProLiant Gen10 servers makes them suitable to operate in this environment?

- A. HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Support
- B. Intel® Xeon-Platinum 8180M Support
- C. ASHRAE A4 compliance
- D. ACPI 6.1 Compliance

Answer: C

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

A health care customer is running out of space in their small on-site data center. They need a solution for their next generation infrastructure for their hospital and clinics.

- ▶ proposed infrastructure needs the ability to run ESXi 6.5 with around 100 medium sized VMs
- ▶ customer has five remote clinics
- ▶ each clinic needs to be able to run approximately 10 VM's locally
- ▶ all of the VM's in the clinics need to be fully backed up every night

What is the most appropriate solution to lead with?

- A. HPE SimpliVity 380 Gen10

- B. HPE DL380 Gen10
- C. HPE Apollo AR4200
- D. HPE Synergy populated with SY480 Gen10 Compute

Answer: A

NEW QUESTION 6

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 7

A customer needs a server that:

- ☒ supports their in-memory database
- ☒ is oriented towards business critical workloads

Which questions should you ask before you make a recommendation? (Choose two.)

- A. How much memory will the application require?
- B. How will the operating systems and application be deployed?
- C. How important is it for the server to support ASHRAE A3/A4 standards?
- D. How many cores are required to optimize the application
- E. How will the datacenter provide backup power in the event of failure

Answer: AD

NEW QUESTION 8

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 9

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 10

A customer is considering installing a Synergy frame in an existing rack where their c7000 chassis is currently installed.
Which question should you ask to ensure the new frame will be supported in the rack?

- A. Are there any third party servers installed?
- B. How deep is the existing rack?
- C. Is there a UPS installed in the rack?
- D. How wide is the existing rack?

Answer: B

NEW QUESTION 10

A customer has seven HPE ProLiant servers. They need to reduce time to problem resolution. Which HPE service should you recommend?

- A. Insight SW Ops and Performance Review
- B. OneView Log Insight
- C. Insight Remote Support Central Connect
- D. Insight Online Direct Connect

Answer: D

NEW QUESTION 13

A customer reports a recent SSD drive failure in an HPE D2220sb Storage Blade that hosts is 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 18

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 22

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 27

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 30

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 31

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 33

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 38

A customer finishes a proof of concept (PoC) evaluation of a DL380 Gen10 system and needs to securely overwrite all internal system storage and attached hard disks by applying random patterns in a three-pass process following security guidelines before the system can be redeployed. Which tool should be used?

- A. OneView
- B. Smart Storage Administrator
- C. Image Streamer
- D. Intelligent Provisioning

Answer: D

NEW QUESTION 39

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 43

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 45

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 48

You are configuring a new server for a customer. The customer has given you the following information regarding their environment:

- ▶ 2 processors with 22 cores
- ▶ 256GB RAM
- ▶ 600GB of usable internal storage
- ▶ 10GB network, dual connections
- ▶ iLO Advanced
- ▶ 3 years of 7x24 basic support

Which additional information do not need to determine the best option for internal storage?

- A. Does the application require a large memory footprint
- B. Does the application require RoCE capable adapters?
- C. Is the application workload sensitive to I/O latency?
- D. Will a Fibre Channel card be required?

Answer: C

NEW QUESTION 51

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 54

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 59

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 64

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 65

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 69

Which product provides an interface for customers to monitor device health, hardware events, and contract and warranty status?

- A. Intelligent Provisioning
- B. Insight Online
- C. HPE OneView Global Dashboard
- D. HPE OneView

Answer: B

NEW QUESTION 74

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 75

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 80

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 82

Which iLO 5 feature allows a customer to directly, physically connect to a ProLiant server to troubleshoot issues?

- A. iLO Federation
B. iLO Amplifier Pack
C. iLO mobile app
D. iLO Service Port

Answer: D

NEW QUESTION 85

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 90

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 95

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.

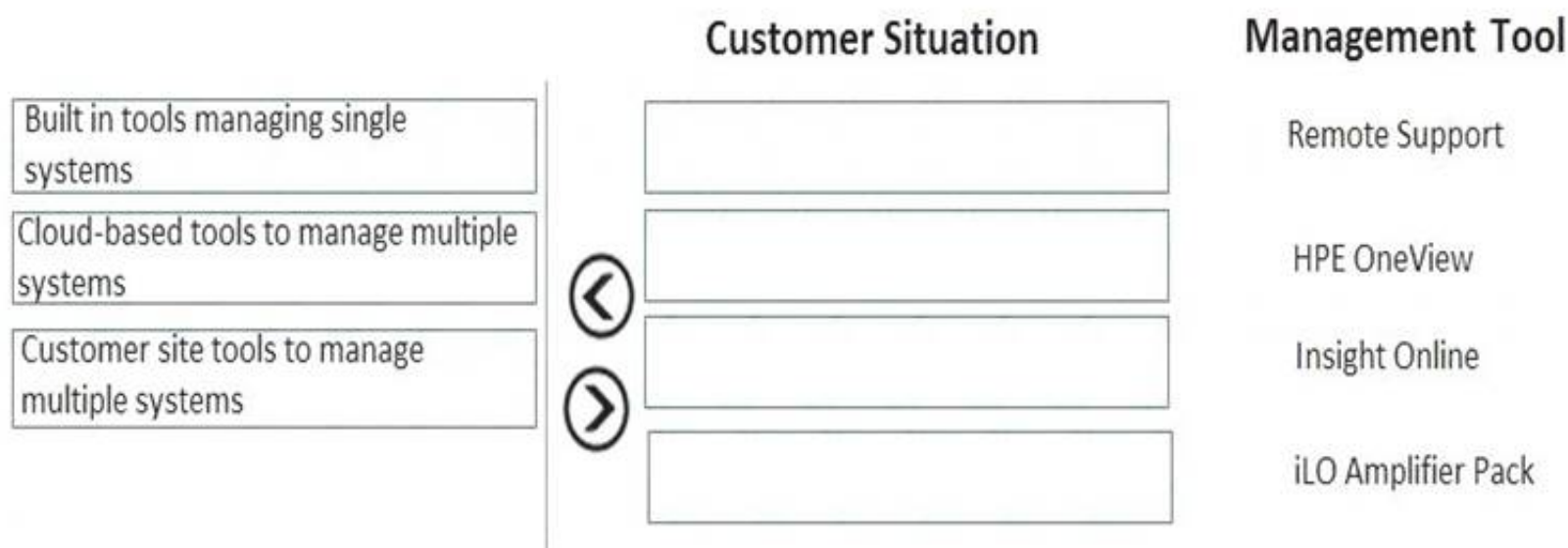
Which feature should you highlight to overcome the objection?

- 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 100

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



- 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 101

A customer requires the ability to act rapidly on ideas by creating, consuming, and reconfiguring new solutions, experiences, and business models. Which HPE server platform best meets their needs?

- A. HPE ProLiant Rack Servers
- B. HPE Synergy
- C. HPE SimpliVity 380
- D. HPE BladeSystem C7000

Answer: A

NEW QUESTION 103

You want to form a Synergy management ring. Which component is required?

- A. HPE Synergy Image Streamer
- B. HPE Synergy Frame Link Module
- C. HPE Synergy Composer
- D. HPE Synergy 10 Gb Interconnect Link Module

Answer: B

NEW QUESTION 105

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 106

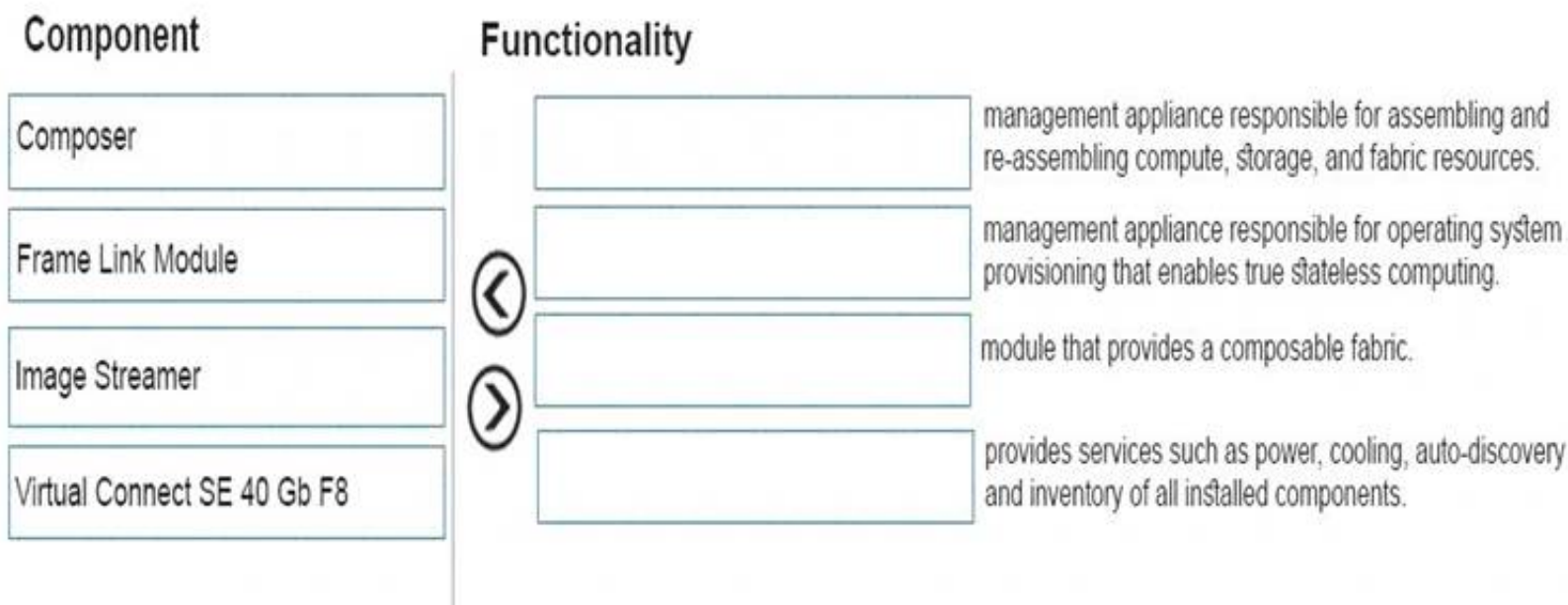
A customer has 10 HPE BladeSystem enclosures managed by HPE OneView. They want to add three HPE Synergy frames. What is a proper procedure to manage a new HPE Synergy installation?

- A. Use HPE Composer for HPE Synergy frames management
- B. Deploy HPE Global Dashboard for HPE Synergy management
- C. Add all frames to the existing HPE OneView appliance
- D. Deploy a dedicated HPE OneView appliance for HPE Synergy frames

Answer: B

NEW QUESTION 108

Match each Synergy component with the description of the functionality it provides.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Frame Link Module
Box 2: Image Streamer
Box 3: Virtual Connect SE 40Gb F8
Box 4: Composer

NEW QUESTION 109

A customer needs a new high frequency trading cluster. Their current cluster has non-deterministic performance and undesirable latency. Because high frequency trades are extremely time-sensitive transactions, the customer cannot tolerate the microseconds of delay that can randomly occur on their current cluster. Which iLO 5 Gen 10 feature can you propose to address this technical requirement?

- A. Turbo Cores
- B. Jitter Smoothing
- C. Persistent Memory
- D. NVMe Drives

Answer: C

NEW QUESTION 113

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 118

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 120

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 122

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 123

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 128

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 131

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 136

A customer needs to boot from PXE with IPv6 across the Gen10 servers. Which option must be enabled to use this feature?

- A. UEFI Boot with IPv6 enabled
- B. Legacy One-Time boot menu
- C. UEFI Secure Boot
- D. HPE Intelligent Provisioning with IPv6 DHCP

Answer: A

NEW QUESTION 139

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 143

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