

Exam Questions HPE0-S54

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

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

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 5

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 6

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 7

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 8

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 9

A customer has adopted the RESTful API standard for managing an HPE server's infrastructure. They need to have a single location to monitor all Synergy and BladeSystem resources.

Which HPE solution accomplishes this task?

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

Answer: C

NEW QUESTION 10

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 10

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 12

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 14

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 18

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 21

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 26

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 28

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 33

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 35

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 39

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 42

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 45

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 50

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 51

A customer needs a Synergy Proof of Concept (PoC) using Image Streamer. What is the minimum number of Synergy frames needed for this PoC?

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

Answer: C

NEW QUESTION 56

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 57

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 60

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 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 66

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 68

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 69

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 73

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 77

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 81

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 82

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 84

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 89

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 91

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 94

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 95

While installing a three frame Synergy solution, only two of the frames are identified during the discovery process.
 What should you do to get resolution?

- A. Remove and re-insert the standby Composer
- B. Issue a refresh command to the enclosure
- C. Open the front panel of the Composer, and read the error message
- D. Validate Frame Link Module topology

Answer: D

NEW QUESTION 96

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 101

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

Component		Functionality
Composer		management appliance responsible for assembling and re-assembling compute, storage, and fabric resources.
Frame Link Module	⏪	management appliance responsible for operating system provisioning that enables true stateless computing.
Image Streamer	⏩	module that provides a composable fabric.
Virtual Connect SE 40 Gb F8		provides services such as power, cooling, auto-discovery and inventory of all installed components.

- 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 102

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 103

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 104

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 105

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 106

Match each HPE technology solution to the customer’s business need that it can fulfill.

Technology

HPE ConvergedSystems 500

HPE D2220sb Storage Blade

HPE SB3000c Tape Blade

HPE SimpliVity

Business Need

Dedicated storage with a one-to-one server-to-storage ratio

High Availability & Disaster Recovery

Mission Critical workloads

One button Disaster Recovery

⏪

⏩

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

HPE ConvergedSystems 500 – Mission Critical workloads

HPE D2220sb Storage Blade – Dedicated storage with a one-to-one server-to-storage ratio

HPE SB3000c Tape Blade – One button Disaster Recovery

HPE SimpliVity – High Availability & Disaster Recovery

NEW QUESTION 107

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 109

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 114

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 116

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 119

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 122

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