

HPE0-S54 Dumps

Designing HPE Server Solutions

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NEW QUESTION 1

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 2

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 3

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 4

A customer exceeded the number of available VLANs on their network. To resolve this issue, they enabled VXLAN. They inquire about upgrading their servers with the FlexFabric 650 series NIC after this change. What is the benefit of tunnel offload?

- A. supports data deduplication when VXLAN is enabled
- B. decreases memory load caused by VXLAN
- C. supports data inflight encryption when VXLAN is enabled
- D. decreases CPU load caused by VXLAN

Answer: D

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 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 7

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 8

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 9

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 10

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 10

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 11

A customer has a ProLiant DL-based server solution. The customer is experiencing I/O timeouts on their SQL data volume running on this solution. Which solution will increase the application performance?

- A. Upgrade memory to 2666 MHz DDR4
- B. Upgrade the current processor to a Xeon-Platinum
- C. Install an SSD drive and SmartCache license
- D. Install an SSD drive to host the log volume

Answer: B

NEW QUESTION 16

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 17

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 20

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 24

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 25

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 28

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 32

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 33

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 34

A customer purchases a new HPE Synergy Enclosure with SY480 Gen9 nodes and plans to use a D3940 Storage Module for SQL Server 2016. Which design addition provides a Tier 0 caching solution?

- A. Mixed-mode HBA for using boot drives (RAID) and data drives (HBA)
- B. LFF drives for larger storage pools
- C. NVDIMM modules for cache
- D. HPE SmartCache

Answer: A

NEW QUESTION 39

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 43

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 48

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 49

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 54

A customer wants to use the automated zoning feature of HPE OneView. A customer complains that this functionality does not work, even if 3PAR and CPGs are added to HPE OneView.

Which other steps must be performed before automated zoning can be used? (Choose two.)

- A. Enable Data Center Bridging functionality on VC modules
- B. Apply extended FC licenses to Virtual Connect downlink ports using HPE OneView
- C. Activate WBEM Providers on supported 3Par arrays
- D. Add the supported SAN Manager to HPE OneView
- E. Associate managed SANs with a FC or FCoE network

Answer: DE

NEW QUESTION 59

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 61

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 62

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 67

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

Technology		Business Need
HPE ConvergedSystems 500		Dedicated storage with a one-to-one server-to-storage ratio
HPE D2220sb Storage Blade	⏪	High Availability & Disaster Recovery
HPE SB3000c Tape Blade	⏩	Mission Critical workloads
HPE SimpliVity		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 71

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 75

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