

# HPE0-S54<sup>Q&As</sup>

Designing HPE Server Solutions

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### QUESTION 1

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

Correct Answer: D

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### QUESTION 2

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

Correct Answer: BE

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### QUESTION 3

A hospital has an HPE ProLiant environment consisting of G7 and Gen8 servers. They have a new regulatory requirement to improve security of the management interface.

What should the customer do to meet their requirements?

- A. Install iLO Advanced Premium Security Edition licenses
- B. Upgrade the network cards to ones that support TLS 1.2
- C. Integrate iLOs with Active Directory
- D. Combine data and networks in a DMZ

Correct Answer: C

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**QUESTION 4**

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)

Correct Answer: D

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**QUESTION 5**

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?

Correct Answer: A

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**QUESTION 6**

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?

Correct Answer: D

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**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

Correct Answer: A

Reference [https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-c04455150](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-c04455150)

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**QUESTION 8**

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

Correct Answer: A

Reference: <https://www.hpe.com/us/en/solutions/hpc-high-performance-computing.html>

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**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

Correct Answer: C

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**QUESTION 10**

Which product automatically generates reports on collected lifecycle management events?

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

Correct Answer: C

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**QUESTION 11**

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

Correct Answer: D

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**QUESTION 12**

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

Correct Answer: B

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**QUESTION 13**

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

Correct Answer: D

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#### QUESTION 14

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

Correct Answer: C

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#### QUESTION 15

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

Correct Answer: B

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