



**HP**

## **Exam Questions HPE0-S57**

Designing HPE Hybrid IT Solutions

#### NEW QUESTION 1

The customer has an HPE Nimble HF40.

The customer's application needs have changed, and they now require more performance from their current storage solution.

What should you do to address the customer's new requirements?

- A. Grow the FDR (flash-to-disk) ration by adding SSDs to the Dual Flash Carries (DFC).
- B. Enable the HPE Advanced Data Services license to enable tiering.
- C. Upgrade the existing controller pair with a higher model number.
- D. Add disks and SSDs to the current array.

**Answer: D**

#### NEW QUESTION 2

The CFO at a customer site asked you to demonstrate overall value of the IT solution you are proposing What should you use to perform calculations and determine the benefits of a migration to an HPE solution?

- A. HPE One Configuration Advanced
- B. HPE Allnean tool
- C. HPE Converged Infrastructure Solution Sizer Suite
- D. HPE Proposal Web

**Answer: A**

#### NEW QUESTION 3

A customer has a 135 GB Microsoft SQL 2016 database deployed on an HPE ProLiant DL380 Gen 10 server on direct attached storage The customer would like to dramatically improve the database performance

What should you propose?

- A. 3PAR 8200
- B. Nimble AF20Q
- C. nVidia GPU
- D. NVDIMMs

**Answer: B**

#### NEW QUESTION 4

A customer is running a virtualized application with the data stored on their server's local storage. As the storage space is getting full, they are looking into a new storage system. Their IT generalist would like to use a single management interface for the new solution.

Which solution should you recommend to the customer?

- A. HPE Nimble HF20
- B. HPE MSA 2052
- C. HPE SimpliVity 380
- D. HPE 3PAR StoreServ 8400

**Answer: D**

#### NEW QUESTION 5

A customer has the following design requirements:

- support for 16Gb Fibre Channel
- The management console must be HPE OneView

Which component must be included in the design to meet the customer's requirements?

- A. HPE Virtual Connect SE 40Gb F8 Module for HPE Synergy
- B. Brocade 16Gb Fibre Channel SAN Switch Module for HPE Synergy
- C. HPE Virtual Connect SE 16Gb FC Module for HPE Synergy
- D. HPE Synergy 8Gb FC License Upgrade

**Answer: C**

#### NEW QUESTION 6

You have been tasked with architecture a SimpliVity 380 Gen10 for VMware solution. You must decide between the SimpliVity 4000 and 6000 series.

Match each description to the correct SimpliVity 380 Gen10 series.

### Answer Area

SimpliVity 4000 Series

SimpliVity 6000 Series

#### SimpliVity 380 Gen10 Series

#### Description

utilizes I/O intensive SSD's capable of 3x higher write endurance

utilizes a Media Lifecycle Manager to ensure 3 years of life on SSD's

is available in Extra Small, Small, Medium, Large, and Extra Large storage capacities

utilizes lower-cost, lower write endurance SSDs

is available in Extra Small, Small, Medium, and Large storage capacities only

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

### Answer Area

SimpliVity 4000 Series

SimpliVity 6000 Series

#### SimpliVity 380 Gen10 Series

#### Description

utilizes I/O intensive SSD's capable of 3x higher write endurance

utilizes a Media Lifecycle Manager to ensure 3 years of life on SSD's

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utilizes lower-cost, lower write endurance SSDs

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#### NEW QUESTION 7

You are designing a network topology for a customer. The customer is looking for a large-scale Layer 2 fabric, with redundant links and load balancing, while avoiding traditional STP, RSTP, and MSTP protocols.

Which switch will support these features with industry standard technology?

- A. HPE FlexFabric 5980
- B. HPE FlexFabric 12902E
- C. Aruba 8325
- D. HPE FlexFabric 5710

**Answer:** A

#### NEW QUESTION 8

A customer is planning a data center expansion consisting of 2,000 physical servers supporting up to 70 VMs per server.

They require a modular networking solution that provides:

- high bandwidth
- high availability
- high performance
- the ability to scale beyond 2,000 servers

Which HPE solution should you recommend?

- A. HPE FlexFabric 12904E
- B. HPE Aruba 5400
- C. HPE OfficeConnect 1950

D. HPE FlexFabric 5940

**Answer:** C

#### NEW QUESTION 9

A customer is building a new Hybrid Infrastructure data center to support private, public, and hybrid cloud workloads. The customer needs to be able to optimize the performance of East-West network traffic.  
Which technology should you recommend?

- A. Access/Aggregation/Core
- B. Leaf/Spine
- C. VXLAN/NVGRE
- D. STP/RSTP

**Answer:** B

#### NEW QUESTION 10

In preparation for a customer offer, you need an easy-to-use, web-based resource that can create the presentation quickly and easily using HPE standard, global, online platform tools.  
What should you use?

- A. HPE Power Advisor
- B. HPE Proposal Web
- C. HPE Synergy Planning Tool
- D. HPE One Configuration Advanced

**Answer:** D

#### NEW QUESTION 10

A customer needs a right-mix strategy and roadmap for hybrid-IT delivery that covers platform, operations, and brokering.  
Which HPE service should be recommended to meet the customer's requirements?

- A. Professional Services
- B. Advisory & Transformation Services
- C. Operational Services
- D. Proactive Services

**Answer:** B

#### NEW QUESTION 15

Based on the scenario provided, which service should you recommend\*?

- A. HPE 3PAR StoreServ Data Migration Service
- B. HPE File Data Migration Service
- C. HPE Migration Service for Exchange
- D. HPE Migration Service for Office 365

**Answer:** D

#### NEW QUESTION 19

A customer is looking to replace their aging data center networking infrastructure with an agile, software-defined solution that will enable them to ensure that their mission-critical applications can always get the bandwidth they need.  
Which HPE solution should you recommend?

- A. StoreFabric
- B. Image Streamer
- C. OfficeConnect
- D. Composable Fabric Manager

**Answer:** D

#### NEW QUESTION 20

A customer has the following design requirements:

- Support for 16Gb Fibre Channel
- All SAN elements must be managed by the SAN team
- All SAN elements need to be managed by the existing tools

Which component must be included in the design to meet the customer's requirements?

- A. HPE Virtual Connect SE 16Gb FC Module for HPE Synergy
- B. HPE Virtual Connect SE 40Gb FC Module for HPE Synergy
- C. HPE Synergy 8Gb FC License Upgrade
- D. Brocade 16Gb Fibre Channel SAN Switch Module for HPE Synergy

**Answer:** D

#### NEW QUESTION 21

Which security features does HPE ProLiant provide? (Select two )

- A. PXE Boot
- B. D HTTP Boot
- C. Intruder Lockout
- D. Intrusion Detection
- E. TPMOption

**Answer:** AC

#### NEW QUESTION 23

HPE OneView can be used to provision volumes on which HPE solutions'? (Select two)

- A. HPE 3PAR StoreServ
- B. HPE MSA
- C. HPEXP
- D. HPE SimpliVrty
- E. HPE Nimble

**Answer:** CE

#### NEW QUESTION 25

You are organizing a Proof Of Concept (POC) for a potential HPE Synergy customer During the presentation the customer asks about the solution capabilities for performing automatic creation and follow-up of support cases in case of failures.

Where will you show this functionality?

- A. HPE iLO Amplifier Pack
- B. HPE ILO Embedded Remote Support
- C. HPE InfoSfjht
- D. HPE OneView

**Answer:** A

#### NEW QUESTION 30

A customer is requesting new leaf switches for their 40-server virtualization farm. Their servers are currently equipped with 25GbE NICs.

Which switch family should you recommend?

- A. HPE FlexFabric 5710 24SFP+ 6S+
- B. HPE FlexFabric 12916E Switch with QSFP28 HB modules
- C. HPE FlexFabric 5945 48SFP28 8QSFP28
- D. HPE FlexFabric 5710 48XGT 2QSF28

**Answer:** C

#### NEW QUESTION 31

A customer is looking to virtualize desktops and application access to provide better business continuance and disaster recovery. They also need simplified deployment and the ability to scale out in the feature.

Which HPE platform should you recommend?

- A. Edgeline
- B. ProLiant DL
- C. Superdome Flex
- D. SimpliVity

**Answer:** D

#### NEW QUESTION 35

You are designing a highly-available SQL database solution, following HPE reference architectures for Microsoft SQL 2017 on Linux.

Which HA design factors should be considered? (Choose two.)

- A. Real-Time Operational Analytics
- B. Transparent Data Encryption
- C. Always On Failover Cluster Instance (FCI)
- D. Read-Scale Availability Groups

**Answer:** CD

#### NEW QUESTION 38

You are creating a Bill of Materials with the HPE Synergy Planning Tool The solution includes:

- 30 Synergy 480 Compute Modules
- 6 D3940 Storage Modules - 40 GD uplink ports
- 20 Gb downlink ports
- Image Streamers for stateless computing

How many Composers and Image Streamers are needed in this solution'?

- A. 2 pairs of Composers /1 pair of Image Streamers

- B. 2 pairs of Composers / 2 pairs of Image Streamers
- C. 1 pair of Composers /1 pair of Image Streamers
- D. 1 pair of Composers / 2 pairs of Image Streamers

Answer: C

NEW QUESTION 42

DRAG DROP

Match each feature to the correct storage platform.

HPE 3PAR StoreServHPE Nimble Storage

Storage Platform	Feature
	Active-Active Architecture
	Active-Standby Architecture
	Deduplication and Compression support of data on HDD
	Granular Encryption
	Unified block and file access at the array level

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

HPE 3PAR StoreServHPE Nimble Storage

Storage Platform	Feature
HPE 3PAR StoreServ	Active-Active Architecture
HPE 3PAR StoreServ	Active-Standby Architecture
HPE Nimble Storage	Deduplication and Compression support of data on HDD
HPE Nimble Storage	Granular Encryption
HPE 3PAR StoreServ	Unified block and file access at the array level

NEW QUESTION 44

When determining the storage lifecycle requirements for a new customer solution, which criteria should you use to optimize data placement?

- A. How many users are online simultaneously?
- B. Which backup technology will the customer use?
- C. Which operating system and version will be used in the solution?
- D. What are the underlying business value availability and long-term retention needs?

Answer: A

NEW QUESTION 48

Refer to the Exhibit:

Refer to the exhibit.



You are presenting an HPE SimpliVity solution to a customer. When looking at the hardware details, the customer asks about the connectivity options at the back of the HPE SimpliVity node  
Which answer should you give about the port highlighted in the exhibit?

- A. This port is used for the Storage network and should be connected to the dedicated storage network switches

- B. This port is the iLO port and should be connected to the management network
- C. This port is used for diagnostics and should not be used for daily operations
- D. This port is used for the Federation traffic between the HPE SimpliVity nodes.

Answer: A

NEW QUESTION 51

A customer wants to replace their EMC VNX storage array with a new HPE storage solution. Which tool can be used to gather metrics off of the current array to assist in sizing the new solution?

- A. HPE DD Analyzer
- B. HPE NinjaSTARS
- C. HPE SAF Collector
- D. HPE Storage Sizer

Answer: A

NEW QUESTION 54

After meeting with a customer and gathering basic capacity and performance metrics, you are ready to recommend an HPE 3PAR storage solution. Which HPE sizing tool should be used to architect the solution, create a ready-to-order bill of materials, and present the customer with a graphic representation of the solution being proposed?

- A. HPE Storage Sizer Tool
- B. HPE NinjaSTARS
- C. HPE InfoSight
- D. HPE 3PAR STaTs

Answer: A

NEW QUESTION 57

You propose a Nimble HF40 solution with 4x 10GbaseT ports to a customer. The raw capacity is 500 TiB. The customer's growth expectations have changed, and they now request the solution to support 1000 TiB of raw storage instead. Match the possible update to the solution with the description.

You propose a Nimble HF40 solution with 4x 10GbaseT ports to a customer. The raw capacity is 500 TiB.

The customer's growth expectations have changed, and they now request the solution to support 1000 TiB of raw storage instead.

Match the possible update to the solution with the description.

Update		Description
HPE Nimble Storage HF20C		Increasing both capacity and max IOPS
HPE Nimble Storage HF40C		Increasing the raw capacity only
HPE Nimble Storage HF60		Increasing the capacity and decreasing IOPS

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

You propose a Nimble HF40 solution with 4x 10GbaseT ports to a customer. The raw capacity is 500 TiB.

The customer's growth expectations have changed, and they now request the solution to support 1000 TiB of raw storage instead.

Match the possible update to the solution with the description.

Update		Description
HPE Nimble Storage HF20C		Increasing both capacity and max IOPS
HPE Nimble Storage HF40C		Increasing the raw capacity only
HPE Nimble Storage HF60		Increasing the capacity and decreasing IOPS

#### NEW QUESTION 62

You are validating virtual machine sizing data for an infrastructure upgrade to SimpliVity Which tool can be used to collect and report the needed information?

- A. SimpliVity Sizer Tool
- B. infosight
- C. Storage Sizer Tool
- D. Lanamark Data Gathering tool

**Answer:** A

#### NEW QUESTION 65

A customer is concerned that they might not have enough cooling capacity in their datacenter to support your proposed HPE server and storage solution Which tool should you use to confirm your solution will meet their requirements'?

- A. HPE OneView
- B. HPE Assessment Foundry
- C. HPE infoSight
- D. HPE Power Advisor

**Answer:** A

#### NEW QUESTION 66

A customer has some extra budget that they would like to use to expand their existing 3PAR array additional drives. The array is sending remote support data, but is not configured in HPE InfoSight.

Which tool should you use to examine the current configuration of the array to make balanced drive expansion recommendations to your customer?

- A. HPE NinjaSTARS
- B. HPE Storage Sizer
- C. HPE 3PAR STaTs
- D. HPE 3PAR SSMC

**Answer:** D

#### NEW QUESTION 67

Which service technology has the highest cost and lowest latency?

- A. DDR-4 Memory
- B. NVDIMM
- C. NVMe
- D. SAS SSD

**Answer:** B

#### NEW QUESTION 71

A customer contacts you for assistance with an expansion of their current HPE Synergy environment. The existing environment contains:

- one Synergy 12000 frame
- two Composers
- eight SY480 Compute Modules - 1 CPU - 384GB RAM - 3820C 10/20GbE CNA
- one D3940 Storage Module

The new requirement is 16Gb FC connectivity to a newly-deployed 3PAR storage array. Which components should you include? (Choose two.)

- A. Synergy 3830C Host Bus Adapter
- B. two QSFP+ AOC/DAC cables for ICM clustering
- C. a second CPU per Compute Module
- D. HPE Synergy FC License Upgrade per Composer pair
- E. an additional Virtual Connect SE 40Gb F8

**Answer:** AC

#### NEW QUESTION 74

A customer is looking for a switch virtualization feature that can help them simplify the management of their HPE FlexFabric switches.

Which technology should you recommend?

- A. VSF
- B. MSTP
- C. VXLAN
- D. IRF

**Answer:** D

#### NEW QUESTION 78

You are validating a solution that has customer requirements for both Ethernet and Fibre Channel connectivity.

Match the cables and adapters to the supported technology.

### Answer Area

Ethernet only

Fibre Channel only

Ethernet or Fibre Channel

#### Supported Technology

#### Cables and Adapters

HPE FlexNetwork X240 40G QSFP+ to 4x10G SFP+ 1m Direct Attach Copper Splitter Cable

HPE Multi Fiber Push On to 4 x Lucent Connector 5m Cable

HPE B-series 4x16 Short Wave QSFP Transceiver

HPE B-series SFP+ to SFP+ Active Copper 3.0m Direct Attach Cable

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

### Answer Area

Ethernet only

Fibre Channel only

Ethernet or Fibre Channel

#### Supported Technology

Ethernet or Fibre Channel

Ethernet only

Fibre Channel only

Ethernet only

#### Cables and Adapters

HPE FlexNetwork X240 40G QSFP+ to 4x10G SFP+ 1m Direct Attach Copper Splitter Cable

HPE Multi Fiber Push On to 4 x Lucent Connector 5m Cable

HPE B-series 4x16 Short Wave QSFP Transceiver

HPE B-series SFP+ to SFP+ Active Copper 3.0m Direct Attach Cable

### NEW QUESTION 83

Match the HPE Service to the service it provides. (Choose all that apply.)

### Answer Area

#### HPE Service

Data Center Facilities Consulting Services

Intelligent Edge Practice

Platform Consulting Services

Professional Services

#### Description

drives business value from mobility and IoT, and transforms work spaces through intelligent Spaces and Intelligent Venues

helps in determining the best strategy to provide right-sized requirements and the right mix of Hybrid IT

provides assistance in developing IT strategies to modernize and migrate to an on-premises automated infrastructure

takes a strategic plan and functional design and moves it into production, with a focus of Hybrid IT and Intelligent Edge

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Answer Area

HPE Service

Data Center Facilities Consulting Services

Intelligent Edge Practice

Platform Consulting Services

Professional Services

Intelligent Edge Practice

Platform Consulting Services

Professional Services

Data Center Facilities Consulting Services

Description

drives business value from mobility and IoT, and transforms work spaces through intelligent Spaces and Intelligent Venues

helps in determining the best strategy to provide right-sized requirements and the right mix of Hybrid IT

provides assistance in developing IT strategies to modernize and migrate to an on-premises automated infrastructure

takes a strategic plan and functional design and moves it into production, with a focus of Hybrid IT and Intelligent Edge

NEW QUESTION 85

A customer wants to implement a container platform across their enterprise data center. They need to automate hardware and software configurations to quickly provision and deploy at scale.  
Which authentication solution should you recommend?

- A. Red Hat Ansible Tower
- B. OpenStack on OpenStack
- C. Chef
- D. DevStack

Answer: A

NEW QUESTION 87

A customer asks you about the features of the HPE SimpliVity, such as performance, availability, efficiency, and protection.  
Which statement is correct about an HPE SimpliVity solution that enables these features?

- A. The OmniStack Accelerator Card (OAC) contains a FPGA programmed with HPE SimpliVity deduplication, compression, and optimization algorithms.
- B. The OmniStack Accelerator Card (OAC) connects directly to the iSCSI VIP address enabled by the OVC.
- C. The OmniStack Accelerator Card (OAC) has direct hardware access to the two PCIe cards through VM direct path IO.
- D. The OmniStack Virtual Controller(OVC) creates an iSCSI datastore where the hypervisor stores the workload VMs.

Answer: A

NEW QUESTION 92

Which HPE Server family is purpose built for HPC workloads, Big Data Analytics, object storage, and enterprise service provider needs?

- A. HPE ProLiant DL servers
- B. HPE Apollo server
- C. HPE Synergy servers
- D. HPE Edgeline servers

Answer: B

NEW QUESTION 94

Match each use case to its networking platform.

Aruba

FlexFabric

Composable Fabric

Answer Area

Networking Platform

Use Case

campus and branch networking

Hyper Converged Networking

integration with SimpliVity

traditional data center networking

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Aruba

FlexFabric

Composable Fabric

Answer Area

Networking Platform	Use Case
Composable Fabric	campus and branch networking
Composable Fabric	Hyper Converged Networking
FlexFabric	integration with SimpliVity
Aruba	traditional data center networking

NEW QUESTION 96

Which HPE solution uses Integrated Lights Out (iLO) and Integrated Systems Manager (iSM) for an optimal infrastructure management experience?

- A. HPE Synergy 12000 Frame
- B. HPE Edgeline 4000
- C. HPE Apollo 8000 series
- D. HPE SimpliVity 2600

Answer: B

NEW QUESTION 101

Which HPE tool combines performance metrics from multiple arrays?

- A. NinjaStars
- B. SAF Analyze
- C. NinjaCrawler
- D. SAF Collect

Answer: D

NEW QUESTION 104

Match each item to its function. (Choose all that apply.)

Answer Area

Item	Function
Exchange Server Performance Health Checker Script	helps determine configuration settings; available from Github
HPE Migration Service for Exchange	provides best practice configuration recommendations for MS Exchange
HPE Sizer for Microsoft Exchange Server 2016	provides the pathway to get customers to MS Exchange 2016
MS Exchange Reference Architecture	provides validated and tested MS Exchange configuration information

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Item		Function
Exchange Server Performance Health Checker Script	Exchange Server Performance Health Checker Script	helps determine configuration settings; available from Github
HPE Migration Service for Exchange	HPE Sizer for Microsoft Exchange Server 2016	provides best practice configuration recommendations for MS Exchange
HPE Sizer for Microsoft Exchange Server 2016	HPE Migration Service for Exchange	provides the pathway to get customers to MS Exchange 2016
MS Exchange Reference Architecture	MS Exchange Reference Architecture	provides validated and tested MS Exchange configuration information

NEW QUESTION 105

An administrator needs to report the write response time of an existing 3PAR StoreServ. Which HPE tool should be used to respond to the need?

- A. SAF Analyze
- B. NinjaCrawler
- C. SAF Collect
- D. NinjaStars

Answer: A

NEW QUESTION 110

What must be taken into account when using the HPE FlexFabric 5945 4-slot Switch as a ToR switch in a solution?

- A. adding in a Network Analytics Engine license
- B. specifying a fan tray with the appropriate direction of airflow
- C. adding in an Intelligent Resilient Framework license
- D. selecting power supplies with adequate reserve PoE+ capacity

Answer: A

NEW QUESTION 113

In preparation for a customer presentation, you need to provide meaningful estimates of cooling requirements for HPE ProLiant, HPE Apollo, and HPE Synergy servers.

What should you use?

- A. HPE Synergy Planning Tool
- B. HPE Proposal Web
- C. HPE Server Memory Configurator
- D. HPE Power Advisor

Answer: D

NEW QUESTION 117

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