

# HP

## Exam Questions HPE0-S57

Designing HPE Hybrid IT Solutions



#### NEW QUESTION 1

A customer requires an integrated compute, multi-terabyte storage, and networking solution that will enable them to rapidly provision their mixed portfolio or applications

Which HPE platform should you recommend?

- A. HPE Edgeline
- B. HPE ProLiant DL
- C. HPE Synergy
- D. HPE Superdome Flex

**Answer: D**

#### NEW QUESTION 2

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 3

A customer is purchasing a full rack of DL380 Gen10 servers. They are under a severe time constraint and would like the servers to be ready to receive applications upon power up.

What should be recommended to satisfy this requirement?

- A. Use HPE Proactive Care services.
- B. Use HP Pointnext service patching and OS installation services.
- C. Include a Customer Intent Document with the order, requesting OS installation services.
- D. Nothing additional: all servers arrive from the factory ready for application deployment.

**Answer: B**

#### NEW QUESTION 4

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 5

You have been asked to architect an HPE 3PAR storage solution and integrate it into a customers existing multi-vendor SAN

Which tools should you consult to verify interoperability of your proposed solution? (Select two)

- A. HPE InfoSight
- B. HPE Single Point of Connectivity Knowledge
- C. HPE SAN Design Guide
- D. HPE Product Bulletin
- E. HPE lanamark

**Answer: CD**

#### NEW QUESTION 6

A customer wants to deploy Microsoft Storage Spaces Direct using existing FlexFabric 5700 switches Which RDMA technology is available through the customers switches?

- A. NPAR
- B. NVMeOF
- C. InfiniBand
- D. RoCE

**Answer: A**

#### NEW QUESTION 7

A customer wants to implement a Microsoft Exchange 2016 solution. Why should the customer choose HPE?

- A. HPE employs Microsoft MVPs

- B. HPE Is a Microsoft Silver partner In messaging and collaboration
- C. HPE has more than five years of joint development with Microsoft
- D. HPE has a proven reference architecture

**Answer:** C

#### NEW QUESTION 8

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 9

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

You are explaining the benefits of compression of primary storage to the customer. The CIO wants to know how much space can be saved when moving their current shared datastore to a 3PAR array.  
Which tool can be used to estimate savings based on current customer data?

- A. NinjaSTARS
- B. 3PAR STaTs
- C. NinjaCrawler
- D. StoreServ Management Console

**Answer:** B

#### NEW QUESTION 10

Your need to architect a SQL Database consolidation solution, based on the HPE reference architecture for SQL 2017 The customer is moving from Oracle on Linux and wants to stay on Linux and migrate to a tower-cost solution  
Which server should you recommend?

- A. HPE DL560 Gen10 running Red Hat Linux Server
- B. HPE DL380 Gen10 running Red Hat Linux Server
- C. HPE DL380 Gen10 running Microsoft Windows Server 2016
- D. HPE DL560 Gen10 running CentOS Linux Server

**Answer:** B

#### NEW QUESTION 11

A customer needs a VMware Horizon VDI solution for a space-constrained remote office The solution must include deduplication and compression, and be simple to Implement and manage  
Which platform should you recommend?

- A. HPE SimpliVity 380
- B. HPE DL380 Gen 10
- C. HPE SimpliVity 2600
- D. HPEDL360Gen10

**Answer:** C

#### NEW QUESTION 12

Which tool supports HPE 3PAR, EMC VMAX, and VNX arrays, and is used to identify customer storage needs'?

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

**Answer:** A

#### NEW QUESTION 17

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 18

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 20

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 25

A customer needs to manage the power of their Apollo servers. The server racks provide only basic PDU capability. Which Management tool will meet the customer's need?

- A. HPE Apollo Platform Manager
- B. HPE Insight Cluster Management Utility
- C. HPE Power Advisor
- D. HPE OneView

**Answer: B**

#### NEW QUESTION 27

A customer is asking for the latest version of the HPE Nimble Storage Integration Guide. Where can the customer download the guide?

- A. HPE SPOCK
- B. HPE Product Bulletin
- C. HPE InfoSight
- D. HPE Information Library

**Answer: C**

#### NEW QUESTION 31

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 34

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 37**

In preparation for a customer presentation, you need to be able to propose a solution that estimates power and weight requirements, and appropriate levels of power and cooling. You also need to determine weight-related requirements to install the solution in the data center. What should you use?

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

**Answer:** D

**NEW QUESTION 40**

Which HPE tool is used to access 3PAR performance information?

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

**Answer:** D

**NEW QUESTION 43**

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 future. Which HPE platform should you recommend?

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

**Answer:** D

**NEW QUESTION 45**

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 48**

Based on assessment and placement evaluations results, match the product to its levels of reliability, functionality, cost, or availability. (Choose all that apply.)

**Answer Area**

Product	Description
Direct-attached storage (DAS)	block-level I/O and are well suited to smaller database and messaging environments.
Departmental NAS (D-NAS)	director-based, feature block-level I/O, and are ideally suited to meet large database requirements.
Departmental SAN (D-SAN)	leverages file-level I/O to deliver reduced costs and improve use in a large file server environment.
Enterprise SAN (E-SAN)	provides digital storage to single or multiple computers in a non-networked environment.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

## Answer Area

Product		Description
Direct-attached storage (DAS)	Departmental NAS (D-NAS)	block-level I/O and are well suited to smaller database and messaging environments.
Departmental NAS (D-NAS)	Departmental SAN (D-SAN)	director-based, feature block-level I/O, and are ideally suited to meet large database requirements.
Departmental SAN (D-SAN)	Enterprise SAN (E-SAN)	leverages file-level I/O to deliver reduced costs and improve use in a large file server environment.
Enterprise SAN (E-SAN)	Direct-attached storage (DAS)	provides digital storage to single or multiple computers in a non-networked environment.

### NEW QUESTION 49

During an HPE SimpliVity solution presentation, a potential customer asks about the HPE SimpliVity RapidDR option in the Bill of Material. How should you respond?

- A. it allows configuring a high-availability solution between two sites for automatic failover and fallback in disaster recovery situations.
- B. It is a requirement to guarantee the 1 -minute restore of a 1TB virtual machine
- C. It is required for a multi-site HPE SimpliVity configuration to send VM backups to remote clusters.
- D. It enables orchestration for site-to-site recovery to improve application availability during planned or unplanned events

**Answer:** B

### NEW QUESTION 52

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 53

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 56

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 10GbseT 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 58**

In preparation for a customer presentation, you need to create a validated configuration, including services. Which tool should you use?

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

**Answer:** A

**NEW QUESTION 61**

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 66**

Match each HPE Assessment Foundry tool to its primary function.

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Tool	Function
NinjaCrawler	Analyze key industry backup metrics, and identify potential savings through data deduplication.
NinjaProtected	Emulate HPE 3PAR data reduction from actual raw host data.
NinjaSTARS	Access performance and configuration information from a customer's array using this lightweight, agentless tool.
SAF Collect	Size capacity and performance metrics of HPE 3PAR and Nimble arrays.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Match each HPE Assessment Foundry tool to its primary function.

Tool	Function
NinjaCrawler	SAF Collect: Analyze key industry backup metrics, and identify potential savings through data deduplication.
NinjaProtected	NinjaProtected: Emulate HPE 3PAR data reduction from actual raw host data.
NinjaSTARS	NinjaCrawler: Access performance and configuration information from a customer's array using this lightweight, agentless tool.
SAF Collect	NinjaSTARS: Size capacity and performance metrics of HPE 3PAR and Nimble arrays.

#### NEW QUESTION 69

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 74

A customer is concerned about high availability for the company's Exchange 2016 messaging environment using local storage. Which technology should they use to enable high availability and site resilience?

- A. Database Resilience Group
- B. Continuous Cluster Replication
- C. Database Availability Group
- D. Peer Persistence

**Answer:** B

#### NEW QUESTION 78

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 79

A small customer needs to order a DL325 with VMware licenses and have the solution delivered right away. Which tool should you use to generate an order?

- A. HPE Alhean Tools
- B. HPE One Config Advanced
- C. HPE iQuote Universal
- D. HPE Proposal Web

**Answer:** C

#### NEW QUESTION 84

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 85

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 86

While discussing data reduction technologies, a customer is concerned their data may not compress or deduplicate well. Which tools should you use to read actual customer data and assess the amount of data reduction savings they may achieve? (Choose two.)

- A. NinjaCrawler
- B. Nimble Space Savings Estimator
- C. NinjaSTARS for Nimble
- D. NinjaSTARS

Answer: BD

NEW QUESTION 88

You proposed a Nimble AF60 solution with 8x 10GbaseT ports to a customer. The raw capacity is 167 TiB. The customer’s growth expectations have changed, and they now request a solution that supports 334 TiB of raw storage instead. Which benefit is gained by each proposed solution? (Choose all that apply.)

Answer Area

Solution		Benefit
HPE 3PAR StoreServ 9450		adding multi-tenancy to the solution
HPE Nimble Storage AF80		increasing capacity only
HPE Nimble Storage AFS3		increasing max IOPS

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Solution		Benefit
HPE 3PAR StoreServ 9450	HPE Nimble Storage AFS3	adding multi-tenancy to the solution
HPE Nimble Storage AF80	HPE 3PAR StoreServ 9450	increasing capacity only
HPE Nimble Storage AFS3	HPE Nimble Storage AF80	increasing max IOPS

NEW QUESTION 89

You are designing a solution for a data-intensive application running on a ProLiant DL380 Gen10 server, where performance will be critical. Which tool should you use to validate that your design meets the workload requirements?

- A. HPE Server Memory Configurator
- B. HPE Storage Sizer
- C. HPE Solid-State Drive Selector Tool

D. HPE InfoSight

Answer: B

NEW QUESTION 93

A customer needs to provide a composable server solution that is optimized for both the highest CPU frequency and the highest memory density. Which compute solution is recommended?

- A. Synergy SY 480 Gen10
- B. Synergy SY 660 Gen9
- C. Synergy SY 620 Gen9
- D. Synergy SY 660 Gen10

Answer: D

NEW QUESTION 96

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 98

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 101

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 104

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 107

Which HPE tool combines performance metrics from multiple arrays?

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

Answer: D

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 111

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