HP

Exam Questions HPE0-S57

Designing HPE Hybrid IT Solutions

NEW QUESTION 1
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 2
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 3
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 4
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 5
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 380 Gen10 Series		Description
SimpliVity 4000 Series		utilizes I/O intensive SSID's capable of 3x higher write endurance
SimpliVity 6000 Series		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 380 Gen10 Series	Description
SimpliVity 4000 Series	
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NEW QUESTION 6
Which Synergy Composer key feature allows deployment at cloud-like speeds?

A. direct access to the FLM
B. built-in OneVlew
C. built-in 100 Gb network
D. integration with IMC

Answer: B

NEW QUESTION 7
You have been asked to architect an HPE 3PAR storage solution and integrate it into a customers existing mufti-vendor SAN
Which tools should you consult to verity 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 8
A customer is thinking about a new solution to run their Line of Business (LOB) application. They are considering an HPE SimpliVity solution.
Which deployment requirement should be communicated to the customer?

A. The application has to run virtualized.
B. The solution only supports HPE switches.
C. The solution requires a minimum of three nodes.
D. The solution requires FC connectivity

Answer: A

NEW QUESTION 9
Which industry standard protocol is typically used to communicate with remote resources on mobile applications?

A. TRILL
B. HTTP
C. STP
D. NFS

Answer: A

NEW QUESTION 10
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 OfffceConnect 1950
D. HPE FlexFabric 5940

Answer: C

NEW QUESTION 10
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 15
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 20
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 24
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 28
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 30
A customer is considering a hyperconverged solution to consolidate their current virtualization environment. Which question should you ask to determine whether SimpliVity is the correct platform?

A. Which SAN switches are in your current environment?
B. How many VMs do you currently run?

C. What is the storage protocol you currently use to access local drives?
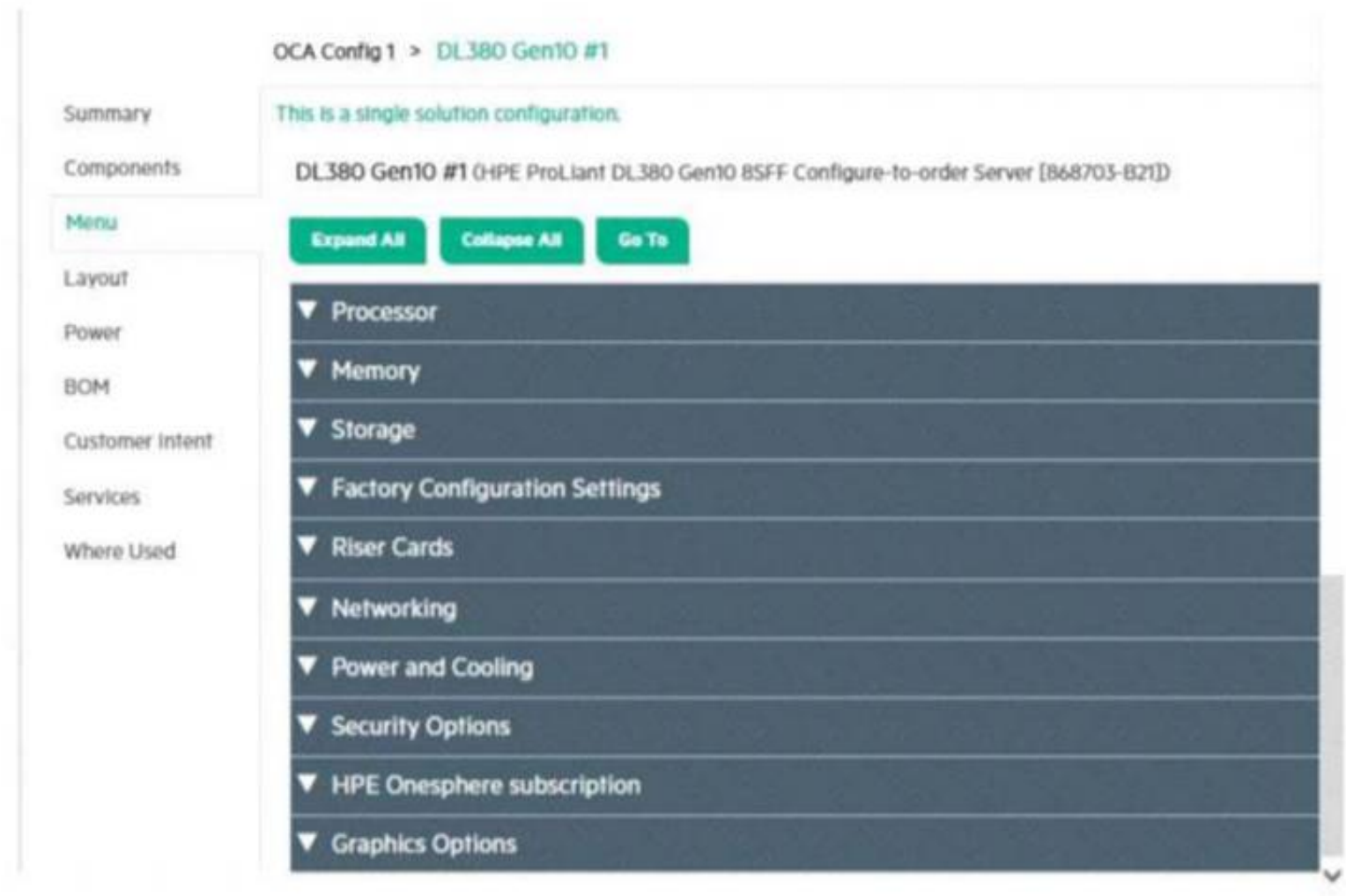D. Are you booting hypervisors over PXE?

Answer: A

NEW QUESTION 35
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
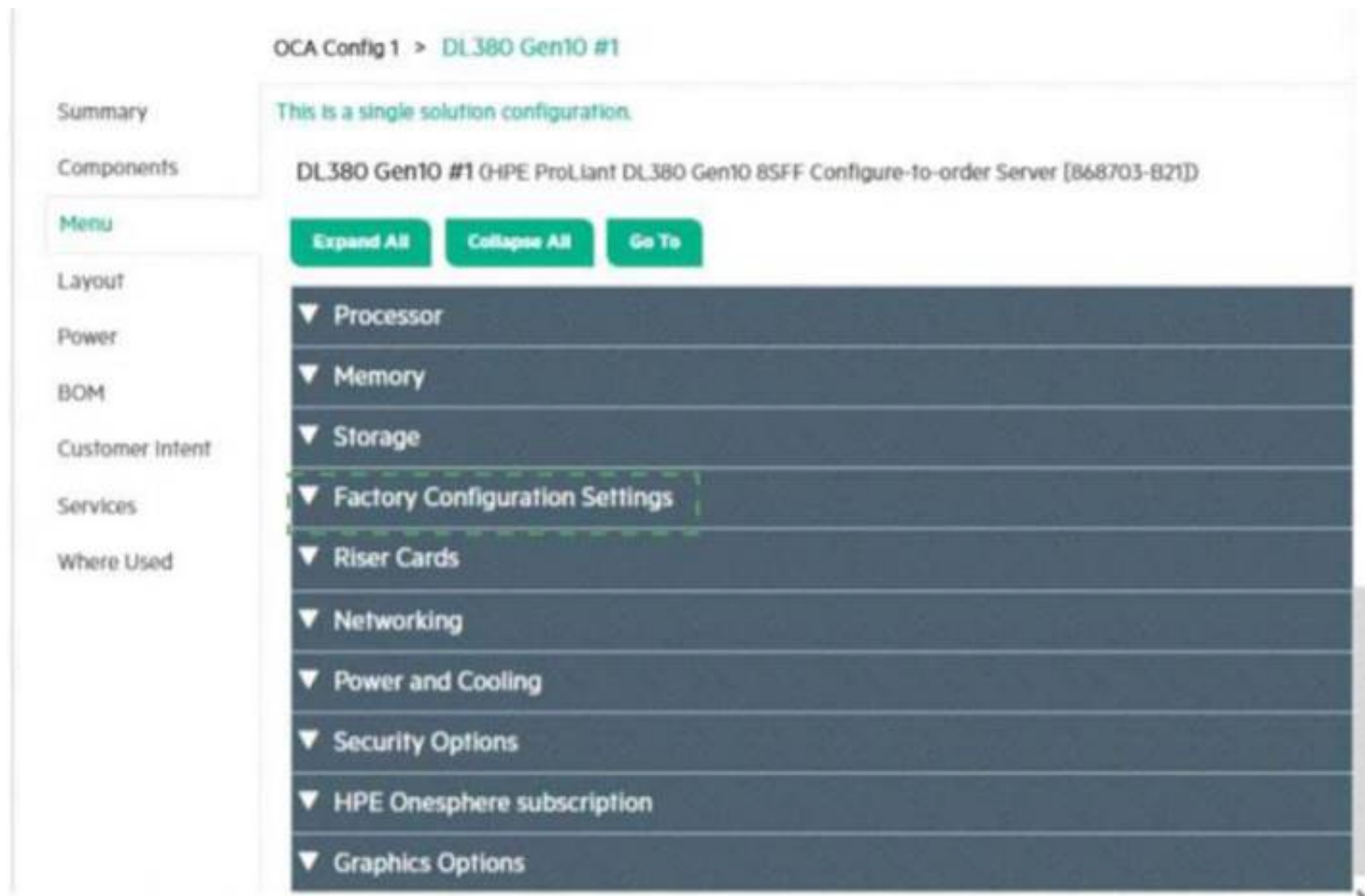D. HPE Information Library

Answer: C

NEW QUESTION 38
A customer wants to see how the HPE DL380 Gen10 servers have been placed in the rack you just configured in OCA Click on the exhibit where you would enable this feature in OCA.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 39
A customer is looking for a new platform to support their AI research projects. Which technology should you recommend?

A. Peer Persistence
B. Multi-core GPUs
C. Availability clustering
D. Persistent memory

Answer: A

NEW QUESTION 42
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 46
A customer is interested in a Synergy solution. They need 100 compute modules and expect the workload to double in two years.
They ask for the minimum number of management ports they will need to connect Synergy frames into their management network.
How should you reply?

A. FLMs from all frames connect into a management ring, and the management ring connects into their management network with two uplinks.
B. FLMs from all frames connect to two external switches, and these two switches connect into their management network.
C. Synergy solution only allows 15 frames to be interconnected, so growth in customer's workload is not supported.
D. The RJ-45 ports on the front of each frame are connected to an external switch, which is connected into their management network.

Answer: A

NEW QUESTION 47
Which unit of measurement does the HPE Synergy Planning Tool provide for the cooling requirements of a given configuration?

A. A
B. VA
C. W
D. BTU

Answer: A

NEW QUESTION 52
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 l -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 57
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 62
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 64
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 65
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 70
A customer has expressed concerns about the security of using RESTful API to do a survey against their existing infrastructure.
What should you say about the REST client to alleviate the customer's concerns?

A. It uses SNMP v2.
B. It uses HTTPS.
C. It uses SNMP v3
D. It uses WBEM

Answer: B

NEW QUESTION 72
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:

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SAF Collect	NinjaSTARS	Size capacity and performance metrics of HPE 3PAR and Nimble arrays.

NEW QUESTION 73
You are designing a solution that will utilize HPE SimpliVity as the solution platform.
Which additional components are required and should be documented in your design? (Choose two.)

A. SCCM
B. HPE SimpliVity Arbiter Service
C. SCOM
D. vCenter or SCVMM

Answer: BD

NEW QUESTION 77
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 81
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 86

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 88
A customer is planning to refresh their network infrastructure, and wants to manage bandwidth for critical applications and gain end-to-end visibility of network performance and utilization They also need tools to help them manage their networking inventory.
Which HPE Solution should you recommend?

A. Introspect
B. InfoSight
C. OneView for VMware vCenter
D. Composable Fabric Manager

Answer: C

NEW QUESTION 92
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 95
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 97
Refer to the Exhibit.

Qty	Product #	Product Description
1	H6Y96B	HPE 3PAR 8400 2N+SW Storage Field Base
8	K2P92B	HPE 3PAR 8000 600GB+SW 15K FE HDD
2	H6Z10A	HPE 3PAR StoreServ 8000 2-port 10Gb iSCSI/FCoE Adapter
1	Q2S13A	HPE 3PAR StoreServ RPS Service Processor
8	QK734A	HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable

A customer's requirements include minimal licensing and simple management. The data must be secured at rest. The solution must have the smallest footprint possible.
Which component must be added to the bill of materials to meet these customer requirements?

A. HPE 3PAR All-in S-sys SW Current E-Media
B. HPE 3PAR Policy Manager Software E-LTU
C. HPE 3PAR 8400 All-inc Multi-sys SW E-LTU
D. HPE 3PAR 8400 Data Encryption E-LTU

Answer: D

NEW QUESTION 99
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 101
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 103
A customer needs a VMware Horizon VDI solution with accelerated GPU support. They need the highest density GPU solution available.
Which solution should you recommend?

A. HPE WS460c Gen9 Graphics Server Blade with graphics expansion
B. HPE Apollo r2600 with RCM Module
C. HPE Synergy SY 480 with multi-MXM expansion module
D. HPE DL360 Gen10 with primary GPU riser

Answer: C

NEW QUESTION 106
Which HPE tool combines performance metrics from multiple arrays?

A. NinjaStars
B. SAF Analyze

C. NinjaCrawler
D. SAF Collect

Answer: D

NEW QUESTION 107
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
You are offering a startup service of StoreOnce 3620 to a customer Which customer need would require an additional Pointnext service?

A. setup and demonstration of the configuration to one host
B. installation of hardware to the rack
C. creation of the Installation plan
D. integration of StoreOnce and a backup ISV application

Answer: A

NEW QUESTION 112
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 116
Match the appropriate server, storage, or networking platform to the workload. (Choose all that apply.)

Answer Area

HPE Service		Description
HPE Apollo		The customer requires an integrated solution, with storage, network, computer, and virtualization.
HPE ProLiant ML/DL		The customer requires a traditional infrastructure and fewer servers.
HPE SimpliVity		The customer requires modular infrastructure and many servers.
HPE Synergy		The customer requires purpose-built platform for HPC workloads.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

HPE Service		Description
HPE Apollo	HPE Synergy	The customer requires an integrated solution, with storage, network, computer, and virtualization.
HPE ProLiant ML/DL	HPE ProLiant ML/DL	The customer requires a traditional infrastructure and fewer servers.
HPE SimpliVity	HPE SimpliVity	The customer requires modular infrastructure and many servers.
HPE Synergy	HPE Apollo	The customer requires purpose-built platform for HPC workloads.

NEW QUESTION 118
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