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Designing HPE Hybrid IT Solutions

HP HPE0-S57

Version Demo

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QUESTION NO: 1

Refer to the exhibit:

Select the Synergy Module

Description	Exp Modu
HPE SY 480 Gen10 CTO Prem Cmpt Mdl(87942-B21)	HPE SY 480 Gen10 CTO Prem Cmpt Mdl(87942-B21)
HPE SY 480 Gen10 CTO Cmpt Mdl-Standard(87940-B21)	
HPE SY 480 Gen10 CTO No Drv Cmpt Mdl(871941-B21)	

Bay Position: 1

OK Cancel

When creating an HPE Synergy configuration with the HPE Synergy Planning tool you have the options shown.

What is the reason to pick the Synergy 480 Premium Compute Model?

- A. It enables Turbo Boost functionality within intelligent System Tuning (IST)
- B. It features a backplane, enabling the use of NVMe drives
- C. It is required for use with the Image Streamer.
- D. It supports the use of larger DIMMs, adding more memory per server

ANSWER: D

Explanation:

Reference: https://www.zones.com/site/product/index.html?id=105334529&page_name=product_tech_spec

QUESTION NO: 2

HPE OneView can be used to provision volumes on which HPE solutions? (Choose two.)

- A. HPE Nimble

- B. HPE MSA
- C. HPE XP
- D. HPE SimpliVity
- E. HPE 3PAR StoreServ

ANSWER: A E

Explanation:

HPE OneView automation provisions storage volumes, zones the fiber channel SAN and attaches 3PAR StoreServ storage to the server profile. Reference: <https://h20195.www2.hpe.com/V2/getpdf.aspx/4AA4-8543ENW.pdf> <https://www.karma-group.ru/upload/iblock/255/HPE%20OneView.pdf>

QUESTION NO: 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

QUESTION NO: 4 - (HOTSPOT)

HOTSPOT

During Synergy solution onboarding, the customer asks about a firmware overview of all the compute modules at once.

Click where you can access the information.

Hot Area:

OneView						
GENERAL	SERVICES	HYPERVISORS	NETWORKING	STORAGE	FACILITIES	
Dashboard	Server Profiles	Hypervisor Cluster Profiles	Networks	Volumes	Data Centers	Settings
Activity	Server Profile Templates	Hypervisor Profiles	Network Sets	Volume Templates	Racks	Users and Groups
Hardware Bundles	Enclosure Groups	Hypervisor Managers	Logical Interconnect Groups	Volume Sets	Power Delivery Devices	Hardware Setup
Reports	Logical Enclosures		Logical Interconnects	Storage Pools	Unmanaged Devices	OS Deployment Servers
	Enclosures		Interconnects	Storage Systems		
	Server Hardware		Logical Switch Groups	SANs		
	Server Hardware Types		Logical Switches	SAN Managers		
			Switches	Drive Enclosures		
			Fabric Managers	Logical JBODs		

ANSWER:

OneView						
GENERAL	SERVICES	HYPERVISORS	NETWORKING	STORAGE	FACILITIES	
Dashboard	Server Profiles	Hypervisor Cluster Profiles	Networks	Volumes	Data Centers	Settings
Activity	Server Profile Templates	Hypervisor Profiles	Network Sets	Volume Templates	Racks	Users and Groups
Hardware Bundles	Enclosure Groups	Hypervisor Managers	Logical Interconnect Groups	Volume Sets	Power Delivery Devices	Hardware Setup
Reports	Logical Enclosures		Logical Interconnects	Storage Pools	Unmanaged Devices	OS Deployment Servers
	Enclosures		Interconnects	Storage Systems		
	Server Hardware		Logical Switch Groups	SANs		
	Server Hardware Types		Logical Switches	SAN Managers		
			Switches	Drive Enclosures		
			Fabric Managers	Logical JBODs		

Explanation:

QUESTION NO: 5

A customer is considering a refresh of their ToR switches because they need 25 GbE connectivity.

Which switch should you recommend?

- A. FlexFabric 5945
- B. FlexFabric 5940
- C. FlexFabric 5980

D. FlexFabric 5710

ANSWER: A

Explanation:

Explaining:

High-density 100GbE/40GbE/25GbE/10GbE spine/top-of-rack (ToR) connectivity

Reference: <https://h20195.www2.hp.com/v2/getmobile.aspx?docname=a00049249enw>

QUESTION NO: 6

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 Converged Infrastructure Solution Sizer Suite
- C. HPE Proposal Web
- D. HPE Alinean tool

ANSWER: B

Explanation:

Reference: <https://h20195.www2.hp.com/V2/getpdf.aspx/4AA5-6612ENW.pdf>

QUESTION NO: 7

Which two metrics are key to guiding data placement decisions? (Choose two.)

- A. capacity
- B. cache utilization
- C. power consumption
- D. jitter
- E. response time

ANSWER: A B

QUESTION NO: 8 - (DRAG DROP)

DRAG DROP

Match each HPE Assessment Foundry tool to its primary function.

Select and Place:

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

ANSWER:

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

Explanation:

QUESTION NO: 9 - (DRAG DROP)

DRAG DROP

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.

Match the possible update to the solution with the description. Choose all that apply.

Select and Place:

Update

Description

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

ANSWER:

Update

Description

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

Explanation:

Reference: <https://nimblestore.co.uk/wp-content/uploads/2018/05/Nimble-Storage-Adaptive-Flash-Arrays.pdf>

QUESTION NO: 10

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

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

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

ANSWER: B E

Explanation:

HP SPOCK is an authoritative source of interoperability information for HP storage products.

The Lanamark Storage Design Module enables us to design desktop and data center virtualization solutions holistically with server, storage and software components that maximize interoperability, performance and uptime.

Reference: https://subscription.packtpub.com/book/networking_and_servers/9781785888984/6/ch06lv1sec52/hp-single-point-of-connectivity-knowledge-spock <https://www.businesswire.com/news/home/20090601005451/en/Lanamark-Unifies-Storage-Virtualization-Design>