HPE0-S57^{Q&As}

Designing HPE Hybrid IT Solutions

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QUESTION 1

A customer requires an integrated compute, multi-terabyte storage, and networking solution that will enable them to rapidly provision their mixed portfolio of applications. Which HPE platform should you recommend?

A. HPE Superdome Flex

B. HPE ProLiant DL

C. HPE Synergy

D. HPE Edgeline

Correct Answer: A

Easy access to new, disruptive HPC technology with support for standard HPE provisioning, cluster management and performance software Reference: http://193.62.125.70/CIUK2017/HP.PDF

QUESTION 2

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

Correct Answer: D

QUESTION 3

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

Correct Answer: AB

QUESTION 4

You are offering a startup service of StoreOnce 3620 to a customer. Which customer need will require an additional Pointnext service?

A. installation of hardware to the rack

B. creation of the installation plan

C. setup and demonstration of the configuration to one host

D. integration of StoreOnce and a backup ISV application

Correct Answer: D

Protect your business beyond warranty with HPE Support Services HPE Pointnext Services delivers confidence, reduces risk and helps customers realize agility and stability. Our integrated portfolio of Services for storage help customers reduce costs, optimize data, streamline storage management, and improve backup and recovery. Reference: http://4rgroup.com/sanpham/product-doc/HPE-StoreOnce-Systems.pdf

QUESTION 5

DRAG DROP

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.

Select and Place:

Answer Area

SimpliVity 380 Gen10 Series	Description
	utilizes I/O intensive SSID'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

SimpliVity 4000 Series

SimpliVity 6000 Series

Correct Answer:

Answer Area

SimpliVity 380 Gen10 Series	Description
SimpliVity 6000 Series	utilizes I/O intensive SSID's capable of 3x higher write endurance
SimpliVity 4000 Series	utilizes a Media Lifecycle Manager to ensure 3 years of life on SSD's
SimpliVity 4000 Series	is available in Extra Small, Small, Medium, Large, and Extra Large storage capacities
SimpliVity 4000 Series	utilizes lower-cost, lower write endurance SSDs
SimpliVity 6000 Series	is available in Extra Small, Small, Medium, and Large storage capacities only

SimpliVity 4000 Series

SimpliVity 6000 Series

QUESTION 6

A large print shop customer is looking for a new SAN for their VMware cluster that is also able to directly provide file shares for their Apple Mac OS X desktops. Which tool should you use to determine which SANs will natively support the customer\'s need?

A. HPE Product Bulletin

B. HPE One Config Advanced

C. HPE Assessment Foundry

D. HPE Single Point of Connectivity Knowledge

Correct Answer: D

QUESTION 7

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

Correct Answer: A

QUESTION 8

You 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 lower-cost solution. Which server should you recommend?

A. HPE DL380 Gen10 running Red Hat Linux Server

B. HPE DL560 Gen10 running Red Hat Linux Server

C. HPE DL560 Gen10 running CentOS Linux Server

D. HPE DL380 Gen10 running Microsoft Windows Server 2016

Correct Answer: A

Oracle customers who wish to stay on Linux and migrate to a lower cost solution.

Reference: https://www.suse.com/media/white-paper/HPE_Reference_Architecture_MS_SQL_Server_2017_on_Linux_ with_HPE_Scalable_Persistent_Memory_on_HPE%20ProLiant_DL380_Gen10.pdf

QUESTION 9

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

Correct Answer: A

Reference: https://www.hpe.com/emea_europe/en/solutions/infosight.html

QUESTION 10

HOTSPOT

You just finished building a complete solution for a customer in One Config Advanced (OCA). You present it to the customer. The customer requires special packaging for the solution Click in the exhibit of OCA where you can add special packaging instructions for the complete solution.

Hot Area:

Correct Answer:

QUESTION 11

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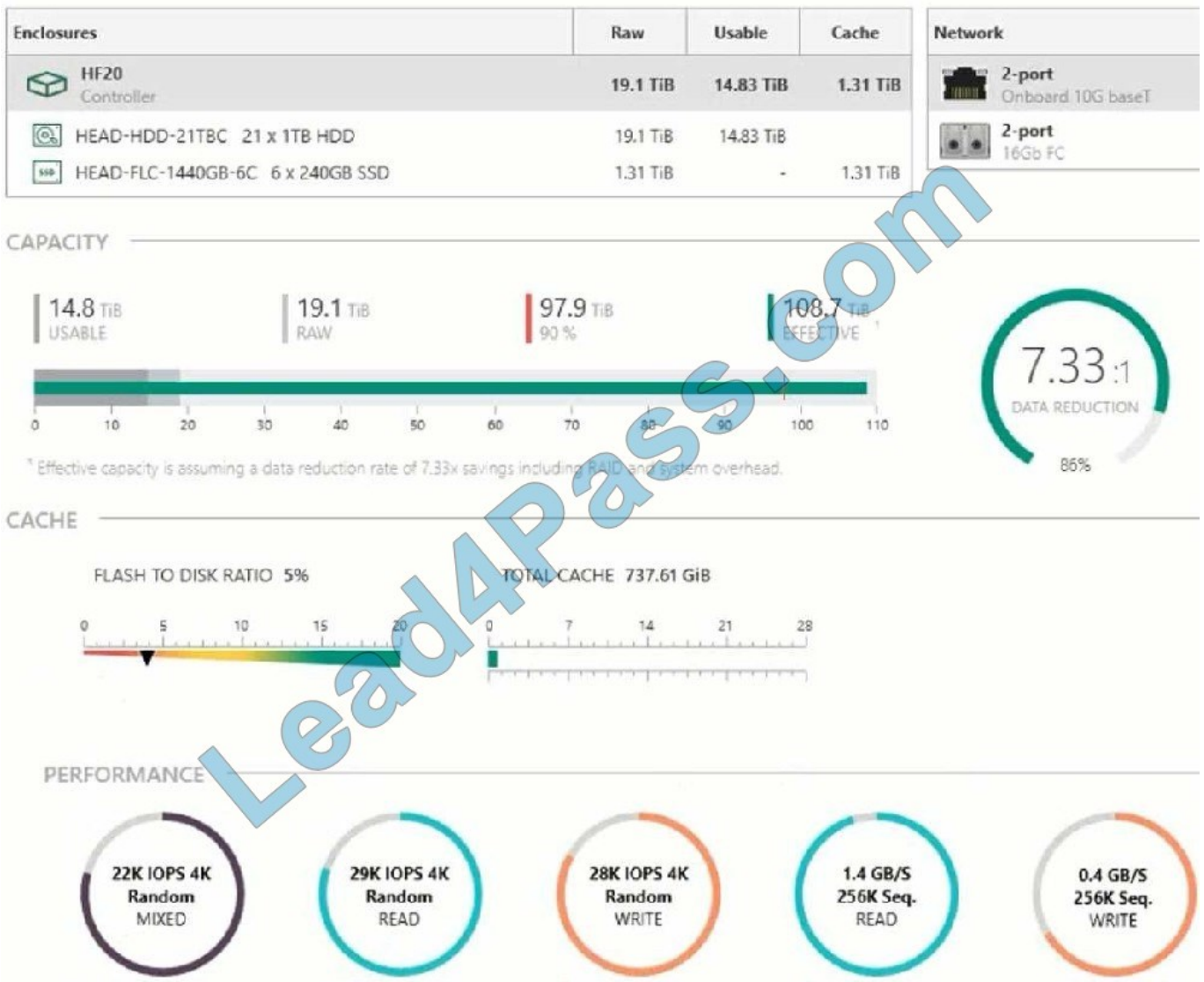
A. HPE Power Advisor

B. HPE InfoSight

C. HPE OneView

D. HPE Assessment Foundry

Correct Answer: C

Reference: https://h20195.www2.hpe.com/v2/GetPDF.aspx/4AA6-2925ENW.pdf

QUESTION 12

Refer to the exhibit.

Enclosures		Raw	Usable	Cache	Network	
HF20 Controller		19.1 TiB	14.83 TiB	1.31 TiB	2-port	Onboard 10G baseT
HEAD-HDD-21TBC	21 x 1TB HDD	19.1 TiB	14.83 TiB		2-port	16Gb FC
HEAD-FLC-1440GB-6C	6 x 240GB SSD	1.31 TiB	-	1.31 TiB		

CAPACITY

14.8 TiB USABLE
19.1 TiB RAW
97.9 TiB 90 %
108.7 TiB EFFECTIVE

7.33:1 DATA REDUCTION
86%

" Effective capacity is assuming a data reduction rate of 7.33x savings including RAID and system overhead.

CACHE

FLASH TO DISK RATIO 5%   TOTAL CACHE 737.61 GiB

PERFORMANCE

22K IOPS 4K Random MIXED
29K IOPS 4K Random READ
28K IOPS 4K Random WRITE
1.4 GB/S 256K Seq. READ
0.4 GB/S 256K Seq. WRITE

You are using NinjaStars to size a Nimble storage array to fulfill a customers requirements and you see the output shown in the exhibit. What should you change to make this a supported configuration?

A. Increase the SSD size to get a higher Flash-to-Disk ratio.

B. increase the size of selected disks to fulfill the requirement of 40 TB of capacity.

C. Increase the number of disks to fulfill the requirement of 40 TB of capacity.

D. Remove the 2-port 10 G baseT since the customer requires FC connectivity only

Correct Answer: D

QUESTION 13

Which tool can be used to provide TCO and ROI analysis of an HPE Synergy solution?

A. HPE infoSight

B. HPE Synergy Planning Tool

C. HPE OneView

D. HPE Aliean Tool

Correct Answer: D

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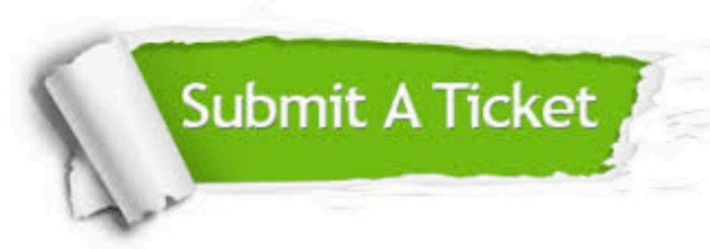
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