Question 1

A customer is planning to deploy a branch office server rack. The environment will have the following requirements:

* Single rack with 20 HPE ProLiant DL360 Gen10 Servers.

* Each Server will have 6 x 10G SFP+ Ports.

* Each Server will have a dedicated iLO port.

* The customer requires that only two switches be used.

* The customer requires separate control planes.

Which switch configuration can meet these requirements?

Options:

A) 2 HPE 5945 Series switch with IRF

B) 2 Aruba 8325 Series switches with VSX

C) 2 HPE 5945 Series switches standalone

D) 2 Aruba 8325 Series switches with backplane stacking.

Answer:

C

Question 2

Question Type: **MultipleChoice**

Refer to the exhibit.

SSD 29 TB SSD 34 TB SSD 46 TB SSD 46 TB SSD 52 TB SSD 57 TB

Pinned DB 10GbE Optical · 4 (1x4)·
Cache Size 0 None

HPE NIMBLE STORAGE

AF40 92 TB
All Flash Array 67.7 TB

AF40
AF40-QP-46T-1

SUMMARY BILL OF MATERIALS

92 TB
RAW CAPACITY

67.67 TB
USABLE CAPACITY

ENVIRONMENTALS
Depth
Weight
Rack Units
Cooling
Power
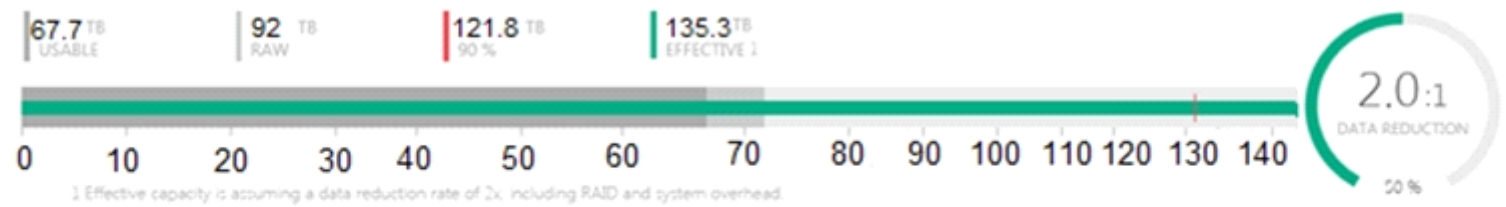
Enclosures	Raw	Usable
AF40 CONTROLLER	46 TB	33.65 TB
AFS3 CHASSIS	46 TB	34.02 TB
24 x 1920GB SSD AFS3-46TE	46 TB	34.02 TB

Network
2-port
Onboard 10G baseT
4-port
10GbE Optical

CAPACITY

67.7 TB USABLE   **92** TB RAW   **121.8** TB 90 %   **135.3** TB EFFECTIVE

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

2.0:1
DATA REDUCTION
50 %
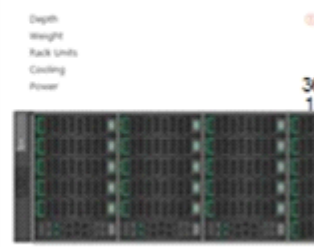
1 Effective capacity is assuming a data reduction rate of 2x, including RAID and system overhead.

PERFORMANCE

100K IOPS 4K Random MIXED   160K IOPS 4K Random READ   130K IOPS 4K Random WRITE   4.0 GB/s 256K Seq. READ   1.6 GB/s 256K Seq. WRITE

The above performance figures include compression and 2x data deduplication.
Use the InfoSight Sizing Tool and size with CPU utilisation in mind rather than a fictitious IOPS number.

NIMBLE
STOREONCE

You are designing a new Nimble AF40 for your customer. The array will be added into an existing Nimble HF60 environment connected with SN6000B switches. You have created the configuration shown in the exhibit and noticed an error

What should you change in your configuration to ensure it meets the customer requirements?

Options:

A) Change the controller to an AF20.

B) Change the 10GbE Optical ports to Fibre Channel.

C) Change the 10GbE Optical ports to 10BaseT.

D) Change the controller to an HF20H.

Answer:

B

Question 3

Question Type: MultipleChoice

You are validating a configuration prior to quoting it for the customer. You plan to propose the following configuration:

* Two HPE DL380 Gen10 servers with dual processors, 256GB of memory, dual 10Gb NICs, SN1100Q 16Gb dual port FC HBA, dual 800W power supplies, and high temperature fan kit

* HPE Nimble HF20H with 11TB storage, 960GB of cache, dual port 10GbE NIC, and 16Gb dual port FC adapter kit

* Two SN3000B FC Switches

Which tool should you use to verify firmware compatibility between the storage and server components in this proposed solution?

Options:

A) HPE NinjaSTARS

B) HPE One Configuration Advanced

C) HPE OneView Advanced

D) HPE SPOCK

Answer:

D

Question 4

Question Type: **MultipleChoice**

A customer has requested that you provide them with an architecture and bill-of-materials for a stack of top-ofrack switches. The customer has 34 HPE DL360 servers in the rack, each with four 1GBASE-T Ethernet ports which need to be connected to the network.

The customer is upgrading 50% of the 1GBASE-T Ethernet ports on the servers to 10GBASE-T Ethernet ports and needs the switching to support the upgraded servers. They are opposed to a chassis switch, and want to keep their number of managed devices on the network to a minimum.

Which architecture meets the customer requirements?

Options:

A) One VSX stack of four Aruba 8320 48-port 1/10GBASE-T switches

B) Two IRF stacks of two HPE 5710 48-port 1/10GBASE-T switches

C) One IRF stack of four HPE 5710 48-port 1/10GBASE-T switches

D) Two VSX stacks of two Aruba 8320 48-port 1/10GBASE-T switches

Answer:

A

Question 5

An administrator is using 4k block sizes on an iSCSI array. The administrator wants to optimize that packet size to decrease the header overhead in the IP traffic flow.

What feature should be enabled on the entire Layer 2 domain?

Options:

A) Jumbo Frames

B) Data Center Bridging

C) RDMA over converged Ethernet

D) Intelligent Resilient Framework (IRF)

Answer:

A

Question 6

Question Type: **DragDrop**

Match each workload profile description with the corresponding profile. (Select all that apply.)

Missing Critical - Large number of database operations (Trades Performance reliability)

Transactional Application Processing - Trades performance for reliability (Large number of DB Operation)

General Peak Frequency Compute - Maximize processor speed

Answer:

Question 7

Question Type: **DragDrop**

A customer needs a new environment to support an ERP system. The sizing information you received shows the following requirements:

* 3 servers with dual AMD processors, 256GB RAM, and 10Gb network connectivity

* 10TB of high performance shared storage
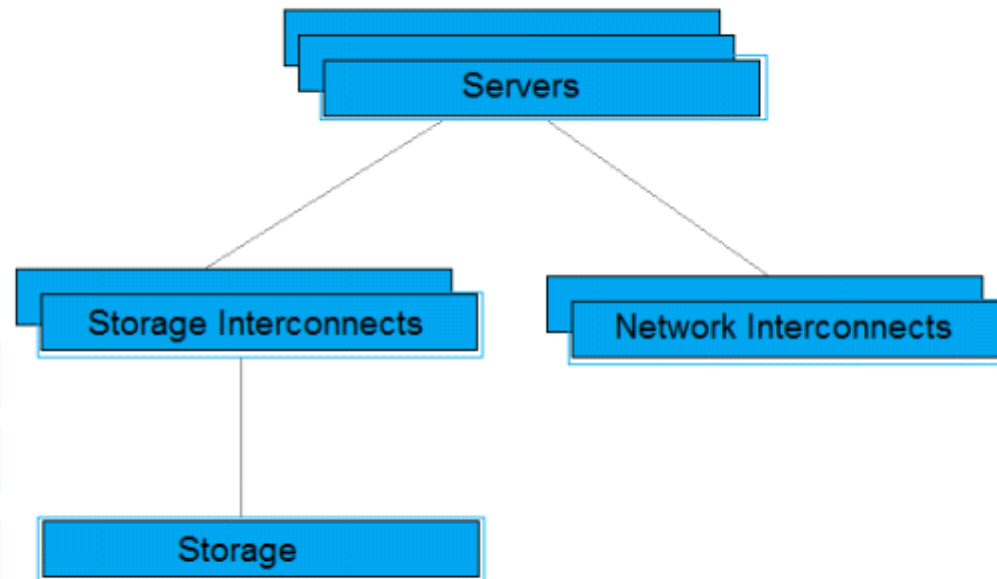
* Cloud-based performance monitoring and analytics

The customer prefers rack mounted equipment.

Identify the components that will meet the customer requirements, then drag the correct components on the

left to their appropriate location in the environment on the right.

Select and Place:

Answer Area

DL385 Gen10	
DL380 Gen10	
ML110 Gen10	
SN3000B Switch	
FlexFabric 5710 Switch	tch
OfficeConnect 1850 6XGT Switch	T Switch
Nimble AF20, with 10GbE	GbE
MSA2052, with 10GbE	bE
D3000	

Servers

Storage Interconnects

Network Interconnects

Storage

Question 8

Question Type: MultipleChoice

A customer is planning to deploy a branch office server rack. The environment will have the following requirements:

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A) 2 HPE 5945 Series switch with IRF

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C) 2 HPE 5945 Series switches standalone

D) 2 Aruba 8325 Series switches with backplane stacking.

Answer:

C

Question 9

An administrator is using 4k block sizes on an iSCSI array. The administrator wants to optimize that packet size to decrease the header overhead in the IP traffic flow.

What feature should be enabled on the entire Layer 2 domain?

Options:

A) Jumbo Frames

B) Data Center Bridging

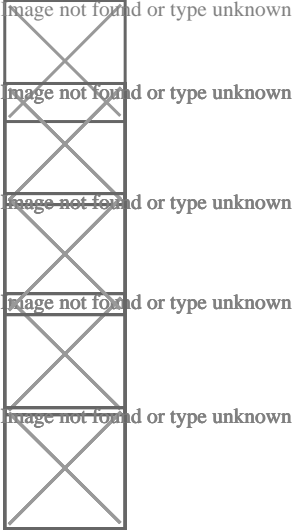**C)** RDMA over converged Ethernet

D) Intelligent Resilient Framework (IRF)

Answer:

A

Question 10

Place the components on the left in the correct order on the right for the recommended power-up sequence.

SAN switches

Tape libraries

Disk storage

Host servers

Answer: