Exam Questions HPE0-V14

Building HPE Hybrid IT Solutions

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NEW QUESTION 1
- (Exam Topic 1)
Match the speed and protocol with the appropriate component.

Component		Speed and Protocol
SFP+		10GbE
QSFP28		12Gb SAS
Mini-SAS HD 4x		100GbE

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Component		Speed and Protocol
SFP+	SFP+	10GbE
QSFP28	Mini-SAS HD 4x	12Gb SAS
Mini-SAS HD 4x	QSFP28	100GbE

NEW QUESTION 2
- (Exam Topic 1)
Refer to the exhibit.

Qty	Product#	Product Description
1	868703-B21	HPE ProLiant DL380Gen10 8SFF Configure-to-order Server
1	868703-B21 B19	HPE DL380 Gen10 8SFF CTO Server
1	826860-L21	HPE DL380 Gen10 Intel Xeon-Gold 6144 (3.5GHz/8-core/150W) FIO Processor Kit
1	826860-B21	HPE DL380 Gen10 Intel Xeon-Gold 6144 (3.5GHz/8-core/150W) Processor Kit
12	815100-B21	HPE 32GB (1x32GB) Dual Rank x4 DDR4-2666 CAS-19-19-19 Registered Smart Memory Kit
2	870757-B21	HPE 600GB SAS 12G Enterprise 15K SFF(2.5in) SC 3yr Wty Digitally Signed Firmware HDD
2	727055-B21	HPE Ethernet 10Gb 2-port 562SFP+ Adapter
1	P01366-B21	HPE 96W SmartStorage Battery (up to 20 Devices) with 145mm Cable Kit
1	804331-B21	HPE Smart Array P408i-a SR Gen10 (8 Internal Lanes/2GB Cache) 12G SAS Modular Controller
2	865408-B21	HPE 500W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
1	BD505A	HPE iLO Advanced 1-server License umep 3yr Support on iLO Licensed Features
1	P8B31A	HPE OneView w/o iLO including 3yr 24x7 Support 1-server FIO LTU
1	733660-B21	HPE 2U Small From Factor Easy Install Rail Kit

A customer needs a server with four 10Gb network adapters. They need it to be configured for the best possible network throughput.
Given the BOM in the exhibit, what do you need to add to this server to meet the customer requirement?
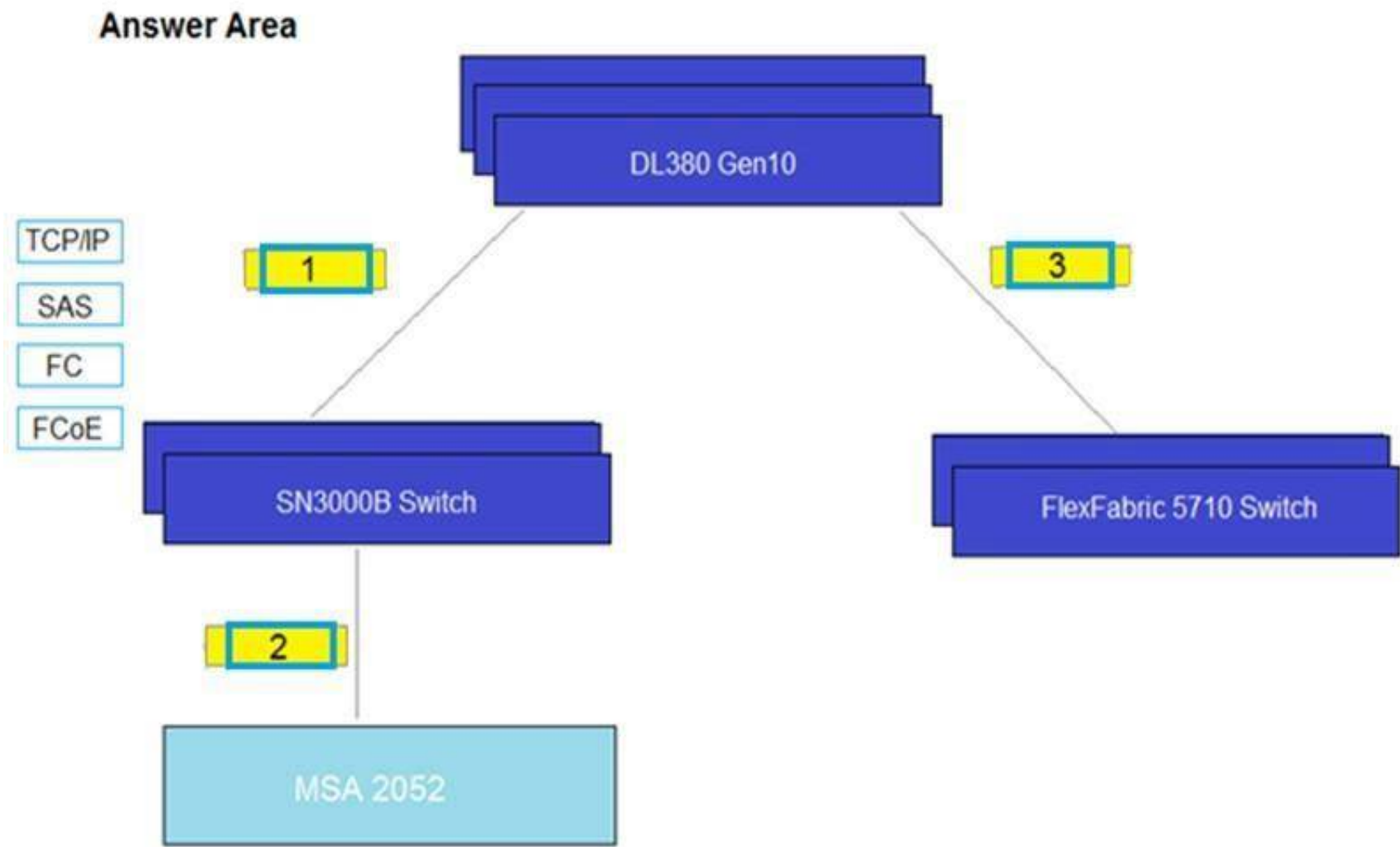
A. Workload Accelerator
B. SSD Drives
C. Smart Storage Hybrid Capacitor
D. Secondary Riser Kit

Answer: C

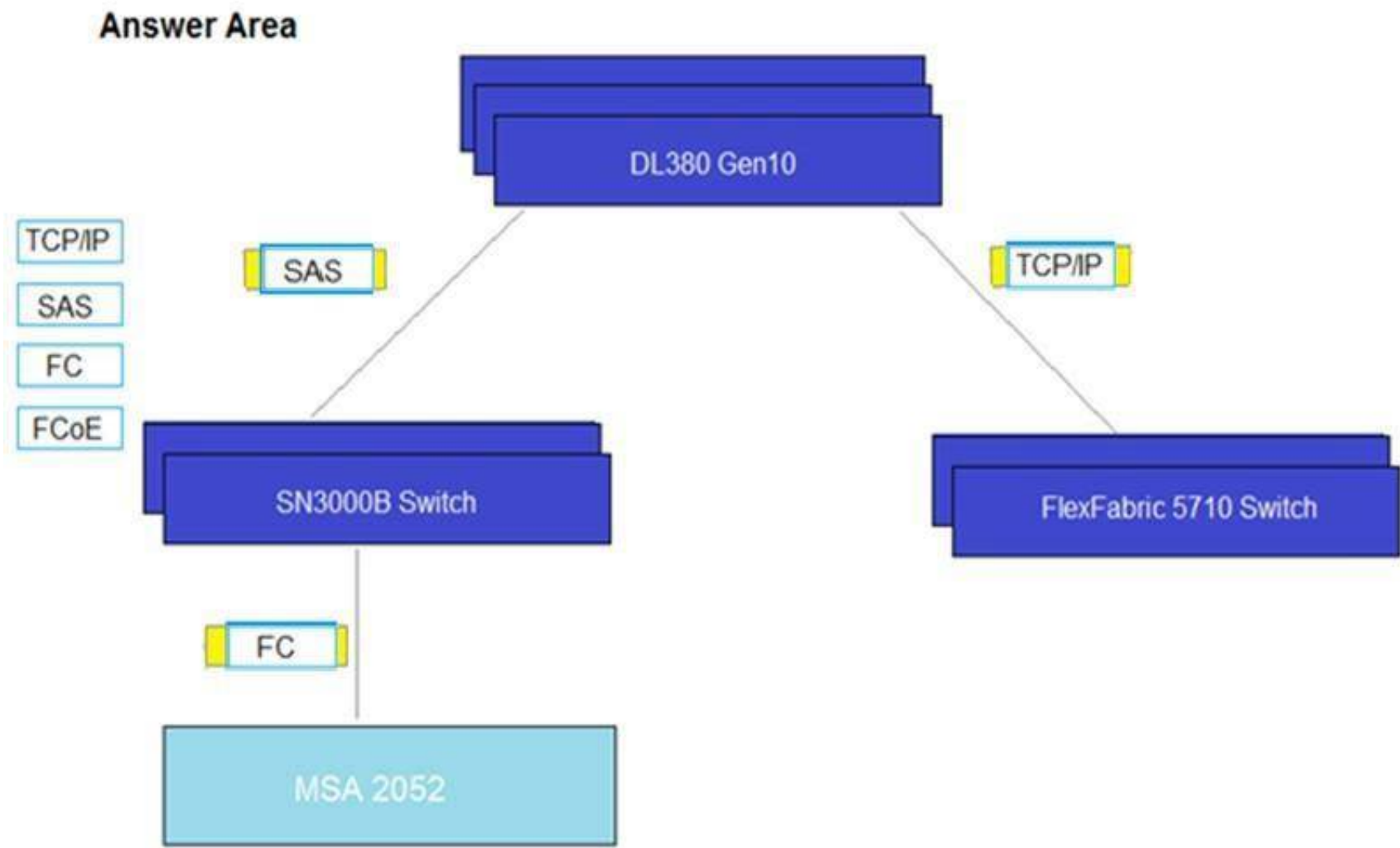**NEW QUESTION 3**
- (Exam Topic 1)
Drag the correct protocols from the left to their appropriate area on the topology.

Answer Area

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

NEW QUESTION 4
- (Exam Topic 1)
A customer is considering an upgrade of their networking infrastructure with HPE FlexFabric 5940 series switch.
Match the fan tray option with the airflow direction.

Answer Area

	HPE 58x0AF Power-to-Port Airflow Fan Tray
Front to back	HPE 58x0AF Port-to-Port Airflow Fan Tray
Back to front	HPE X711 Port-to-Power Airflow High Volume Fan Tray
	HPE X712 Power-to-Port Airflow High Volume Fan Tray

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

	Back to front	HPE 58x0AF Power-to-Port Airflow Fan Tray
Front to back	Front to back	HPE 58x0AF Port-to-Port Airflow Fan Tray
Back to front	Front to back	HPE X711 Port-to-Power Airflow High Volume Fan Tray
	Back to front	HPE X712 Power-to-Port Airflow High Volume Fan Tray

NEW QUESTION 5
- (Exam Topic 1)
When is it appropriate for a customer to implement HPE OneView Standard?

A. To manage multiple servers
B. To monitor their services
C. To enable the Advanced iLO license
D. To update firmware

Answer: B

NEW QUESTION 6
- (Exam Topic 1)
You are creating a configuration for a new Nimble HF40 array.
Which tool should you use to ensure that you include adequate cache in the configuration?

A. HPE NinjaSTARS
B. HPE Storage Sizer
C. HPE OneView
D. HPE SPOCK

Answer: A

NEW QUESTION 7
- (Exam Topic 1)
What is the correct cable type to use when connecting a pair of switches using Long Range (LR) Transceivers?

A. Direct Attach Cable (DAC)
B. Twin-Ax
C. Single Mode Fiber
D. Multi-mode Fiber

Answer: C

Explanation:
Single-mode uses a single relatively straight beam of light, transmitted directly through a core of glass (oroccasionally plastic) that's usually 50 microns across.
Single-mode accommodates large power levels, and isalmost exclusively used for Long Range (LR) applications.

NEW QUESTION 8
- (Exam Topic 1)
Indicate whether each management feature manages or monitors a single system or multiple systems.

Answer Area

	HPE 3PAR SSMC
ManagingMonitoring a Single System	HPE OneView Global Dashboard
Managing/Monitoring Multiple Systems	HPE Intelligent Provisioning
	HPE Smart Storage Administrator

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

	ManagingMonitoring a Single System	HPE 3PAR SSMC
ManagingMonitoring a Single System	Managing/Monitoring Multiple Systems	HPE OneView Global Dashboard
Managing/Monitoring Multiple Systems	ManagingMonitoring a Single System	HPE Intelligent Provisioning
	Managing/Monitoring Multiple Systems	HPE Smart Storage Administrator

NEW QUESTION 9
- (Exam Topic 1)
A customer has two HPE ProLiant Gen10 servers. They both require firmware installation. Which HPE tool should you recommend for performing this task?

A. OneView Advanced
B. iLO Amplifier Pack
C. Smart Update Manager
D. OneView Standard

Answer: C

NEW QUESTION 10
- (Exam Topic 1)
Which hardware and software components make up a Nimble dHCI infrastructure?

A. HPE M-Series switch, HPE ProLiant DL servers, HPE Nimble, and VMware
B. Aruba Switches, HPE Synergy, HPE Nimble, and VMware
C. HPE M-Series switch, HPE ProLiant DL servers, HPE Nimble, and Hyper-V
D. Aruba Switches, HPE Synergy, HPE Nimble, and Hyper-V

Answer: A

NEW QUESTION 10
- (Exam Topic 1)
Match each HPE solution to its optimal use case.

Select and Place:

Answer Area

HPE Solution		Use Case
HPE Proliant Microserver		General Purpose Computing, Virtualization Clusters, Enterprise Applications
HPE Proliant ML/DL		NAS Storage, File Sync and Share for Remote/Mobile users
HPE StoreEasy		Remote Office, Low Cost, Quiet Operation, Office environment
HPE StoreOnce		Space-efficient Backups, Backup Replication, Cloud-based Archiving

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Select and Place:

Answer Area

HPE Solution		Use Case
HPE Proliant Microserver	HPE Proliant ML/DL	General Purpose Computing, Virtualization Clusters, Enterprise Applications
HPE Proliant ML/DL	HPE StoreEasy	NAS Storage, File Sync and Share for Remote/Mobile users
HPE StoreEasy	HPE Proliant Microserver	Remote Office, Low Cost, Quiet Operation, Office environment
HPE StoreOnce	HPE StoreOnce	Space-efficient Backups, Backup Replication, Cloud-based Archiving

NEW QUESTION 15
- (Exam Topic 1)
Match each characteristic to the appropriate RAID level.

Answer Area

RAID level		Characteristic
Raid0		double parity striped across all disks
Raid1		if one disk fails, all data is lost
Raid5		requires a minimum of 3 disk drives
Raid6		requires 50% of raw capacity for fault protection

A. Mastered
B. Not Mastered

Answer: A

Explanation:

RAID level

Characteristic

Raid0	Raid6	double parity striped across all disks
Raid1	Raid0	if one disk fails, all data is lost
Raid5	Raid5	requires a minimum of 3 disk drives
Raid6	Raid1	requires 50% of raw capacity for fault protection

NEW QUESTION 16
- (Exam Topic 1)
A customer needs a new environment to support an ERP system. The sizing information you received shows the following requirements:
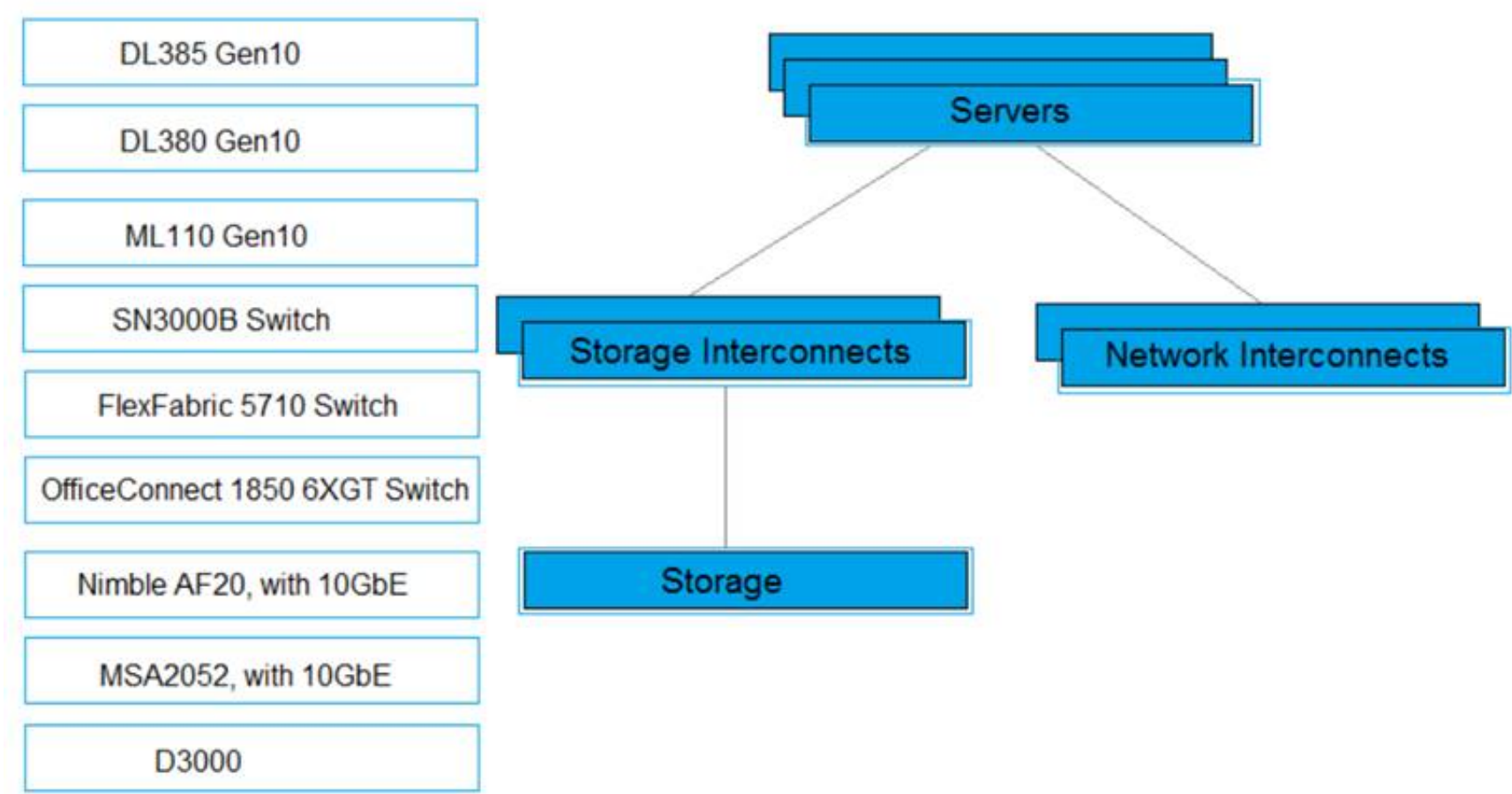3 servers with dual AMD processors, 256GB RAM, and 10Gb network connectivity
10TB of high performance shared storage
Cloud-based performance monitoring and analytics
The customer prefers rack mounted equipment.
Identify the components that will meet the customer requirements, then drag the correct components on the left to their appropriate location in the environment on the right.
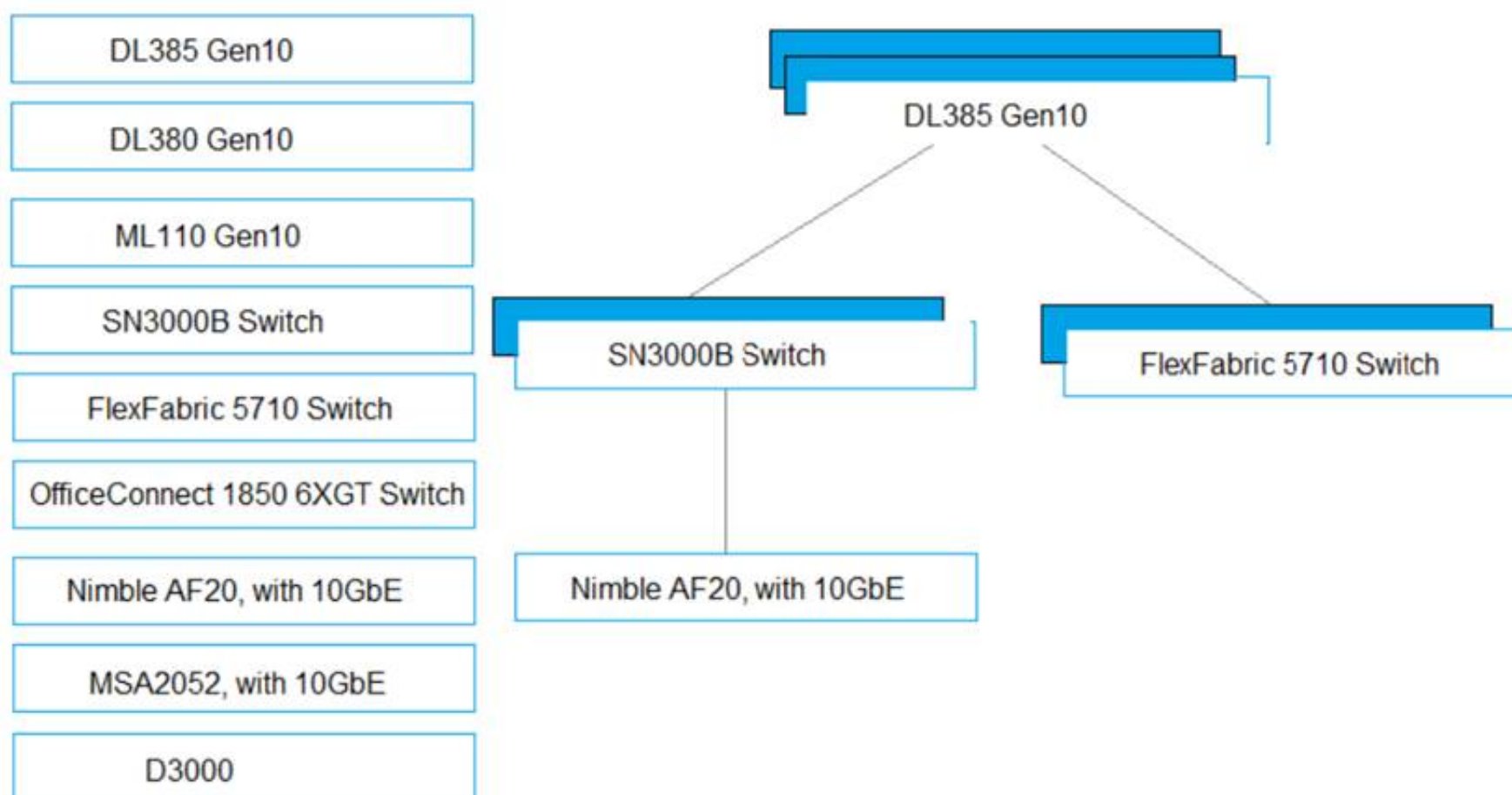
Answer Area

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

Servers

Storage Interconnects   **Network Interconnects**

Storage

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 17
- (Exam Topic 1)
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?

A. Jumbo Frames
B. Data Center Bridging
C. RDMA over converged Ethernet
D. Intelligent Resilient Framework (IRF)

Answer: A

NEW QUESTION 21
- (Exam Topic 1)
Which HPE solution brings together CPU, Memory, and Disk with an unpredictable workload into a single management infrastructure?

A. dHCI
B. SimpliVity
C. Nimble
D. Primera

Answer: B

NEW QUESTION 25
- (Exam Topic 1)
Which backup targets are available from an HPE StoreOnce backup system? (Choose two.)

A. VTL
B. Catalyst
C. NVMe
D. S3
E. iSCSI

Answer: AB

NEW QUESTION 27
- (Exam Topic 1)
A customer needs a virtual desktop infrastructure environment to quickly deploy new desktop images to more than 70 onsite contractors. They plan to use HPE ProLiant DL360 Gen10 servers running VMware ESXi connected to a shared storage device. The customer requires deduplication because they are concerned about the required storage capacity for the full clone images.
Which storage device would best address their concerns?

A. HPE MSA 1040
B. HPE MSA 2052
C. HPE Nimble AF20
D. HPE Nimble HF20C

Answer: D

NEW QUESTION 28
- (Exam Topic 1)
Refer to the exhibit.

```
<Switch-A>display int Ten-GigabitEthernet 1/0/1 Ten-GigabitEthernet1/0/1 Current state: UP
Line protocol state: UP IP packet frame type: Ethernet II, hardware address: d894-03fb-793d
Description: Ten-GigabitEthernet1/0/1 Interface Bandwidth: 10000000 kbps Loopback is not
set Media type is stack wire, port hardware type is STACK_SFP_PLUS 10Gbps-speed mode, full-
duplex mode Link speed type is autonegotiation, link duplex type is autonegotiation Flow-
control is not enabled Maximum frame length: 10000 Allow jumbo frames to pass Broadcast
max-ratio: 100% Multicast max-ratio: 100% Unicast max-ratio: 100% PVID: 1 MDI type:
Automdix Port link-type: Trunk VLAN Passing: 10, 20 VLAN permitted: 10, 20 Trunk port
encapsulation: IEEE 802.1q Port priority: 0 <SNIP>
```

An administrator connected a hypervisor to interface Ten-GigabitEthernet1/0/1 in a switch. The administrator created virtual machines in VLAN 10 and 20 on the hypervisor. VLAN 10 is configured to be tagged, and VLAN 20 is configured to be untagged on the hypervisor.
The administrator found that all the virtual machines in VLAN 20 can communicate with each other, but not with any virtual machines on VLAN 20 external to the hypervisor.
Given the output in the exhibit, what should you do to resolve the issue?

A. Permit VLAN 1 on the interface.
B. Configure the PVID of the interface to be VLAN 20.
C. Configure the interface as an access port.
D. Configure the interface as an IRF port.

Answer: D

NEW QUESTION 31
- (Exam Topic 1)
What is an access port on an Ethernet switch?

A. A port that carries FCP frames inside the network
B. A port that carries mulitple VLANs
C. A port that is connected to an FCF
D. A port that carries untagged frames inside the network

Answer: D

NEW QUESTION 32
- (Exam Topic 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?

A. 2 x HPE 5945 Series switch with IRF
B. 2 x Aruba 8325 Series switches with VSX
C. 2 x HPE 5945 Series switches standalone
D. 2 x Aruba 8325 Series switches with backplane stacking

Answer: A

NEW QUESTION 33
- (Exam Topic 2)
A customer has a small branch office that requires a tower-based server solution. The customer runs office-based applications and wants lights-out management capability.
Which HPE server family meets the customer's needs?

A. ProLiant ML
B. ProLiant DL
C. ProLiant BL
D. ProLiant MicroServer

Answer: A

NEW QUESTION 34
- (Exam Topic 2)
Which statement is true regarding configuring memory in an HPE ProLiant server?

A. LRDIMMS in 64 GB and 128 GB can be mixed.
B. RDIMM and LRDIMMs can be mixed in one system.
C. Different capability DIMMs of the same speed can be mixed.
D. The first CPU memory channel must be fully populated before the second.

Answer: C

NEW QUESTION 38
- (Exam Topic 2)
A customer requires an entry-level, all-flash storage system with predictable performance at the lowest possible price. They have performance-sensitive workloads that require speed and efficiency.
Which HPE storage system meets the customer's requirements?

A. 3PAR 8450
B. MSA 2052
C. StoreVirtual 4335
D. Nimble AF 1000

Answer: A

NEW QUESTION 39
- (Exam Topic 2)
A customer needs to enable HPE Proactive Care and automated case creation for server hardware failures in their OneView environment.
Which step do you need to complete in OneView to accomplish these tasks?

A. Enable remote support from the Settings page.
B. Apply the OneView Advanced monitoring license.
C. Add the hosts to the managed devices group.
D. Configure proactive scan reports.

Answer: A

NEW QUESTION 43
- (Exam Topic 2)
You are troubleshooting an HPE Proliant ML350 Gen server. You determine that the active ROM is corrupt and the system has not automatically switched to the redundant ROM. You need to manually switch the ROM.
What should you do?

A. Select the backup ROM in the BIOS.
B. Reset the iLO controller
C. Change the position of the system maintenance switch options.
D. Move the system maintenance jumper to pins one and two.

Answer: C

NEW QUESTION 45
- (Exam Topic 2)
You are installing a data center switch.
Which methods are recommended to configure the switch? (Choose two.)

A. Use out-of-band management with a dedicated management connection
B. Use in-band management with an IP address and subnet mask that is reachable on the management network
C. Use out-of-band management and keep the default settings
D. Use in-band management and configure the AUX0 interface for scheme authentication

Answer: AB

NEW QUESTION 47
- (Exam Topic 2)
A customer needs to reconfigure their data center network because their network often becomes congested, and the customer cannot monitor the network.
How should the customer configure their network?

A. Isolate the management network from production traffic
B. Isolate the SAN on a public network and use a virtual private network (VPN) for secure data
C. Configure IRF on the switches
D. Configure in-band management to manage the switches through gigabit Ethernet ports

Answer: A

NEW QUESTION 51
- (Exam Topic 2)
You have completed a non-disruptive activation of firmware on an SN6000 switch. Which session must be restarted manually?

A. Enterprise Fabric Management Suite session
B. telnet session
C. SAN connection Manager session
D. QuickTools session

Answer: B

NEW QUESTION 56

- (Exam Topic 2)
A customer needs to purchase a redundant pair of SAN switches for their virtualization environment. The customer requires a total of eight 16 Gbps FC storage ports and eighteen 8 Gbps FC host attachments.
Which switch meets the customer's needs at the lowest cost?

A. HPE StoreFabric SN6010C 48-port Switch
B. HPE StoreFabric SN6010C 12-port Switch with an On Demand Port Activation License
C. HPE 8/24 SAN Switch 16-port Switch with an 8-port Upgrade License
D. HPE 8/24 SAN Switch 16-port Switch

Answer: B

NEW QUESTION 60
- (Exam Topic 2)
Match the HPE Tool with its use case. Select all that apply.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
One Config Advanced (OCA) - Estimate the power and cooling requirements and weight for a rack of equipment
Single Point of Connectivity Knowledge (SPOCK) - Check compatibility of storage components Products and solutions Now (PSNow) - Download a technical presentation for a DL380 Gen10

NEW QUESTION 65
- (Exam Topic 2)
You are installing an HPE ProLiant server that has a shared network port for iLO and NIC teaming. You need to ensure that you can still access iLO after configuring the NIC team.
Which teaming technology should you configure?

A. round robin
B. switch-assisted load balancing
C. receive load balancing
D. network fault tolerance

Answer: D

NEW QUESTION 67
- (Exam Topic 2)
Which two HPE applications are installed on Windows operating systems with intelligent Provisioning? (Choose two.)

A. Lights-Out Online Configuration Utility
B. OneView
C. UEFI Control Suite
D. Intelligent Management Center
E. Smart Storage Administrator

Answer: AE

NEW QUESTION 69
- (Exam Topic 2)
You are designing a solution to run a Citrix XenDesktop workload.
Which HPE planning and designing resource contains a detailed example of this type of solution, including a list of all the hardware and software components?

A. Sales Builder for Windows
B. Product Bulletin
C. Smart Selling Tool
D. Reference Architecture

Answer: D

NEW QUESTION 73
- (Exam Topic 2)
A customer has implemented an HPE ProLiant server with internal storage and needs to monitor the array health status.
Which management application can the customer use to discover errors quickly and minimize the possible downtime?

A. Insight Online
B. Smart Storage Administrator
C. Intelligent Management Center
D. InfoSight

Answer: B

NEW QUESTION 76
- (Exam Topic 2)
A customer requires an entry-level, all-flash system with predictable performance at the lowest possible price. They have performance-sensitive workloads that require speed and efficiency.
Which HPE storage system needs the customer's requirements?

A. Nimble CS1000
B. Nimble SFA
C. Nimble AF1000
D. Nimble AF5000

Answer: B

NEW QUESTION 80
- (Exam Topic 2)
A customer requires 12 Gb local storage for their VMware boot volumes, which require high-performance read cycles to enable the operating system to boot quickly.
Which drive type provides the most appropriate size and most cost-effective way to meet this requirement?

A. Mixed-use SSD
B. Flash media drive
C. SATA nearline
D. SAS midline

Answer: B

NEW QUESTION 81
- (Exam Topic 2)
A customer wants to safeguard their server firmware and asks you about the HPE ProLiant Gen10 features that provide this level of security.
Which Gen10 feature best addresses the customer's concern?

A. The Secure Boot feature in Gen10 servers checks the signature of the firmware drivers and other files to ensure that the firmware is trusted by the operating system.
B. Gen10 servers use silicon root of trust to validate and detect corrupted firmware, and authentication to block unauthorized updates.
C. Gen10 servers support data encryption at rest, which uses cryptography on the database housing the data and on the physical storage where the databases are stored.
D. The Trusted Platform Module (TPM) in Gen10 servers protects firmware by using public and private key encryption.

Answer: B

NEW QUESTION 84
- (Exam Topic 2)
A customer needs to virtualize their storage across physical servers and storage environments. Which HPE solution meets the customer's needs?

A. Nimble CS3000
B. StoreVirtual 4335
C. StoreVirtual VSA
D. MSA 2050

Answer: C

NEW QUESTION 89
- (Exam Topic 2)
ou are designing a system for a customer that runs an OLTP application. The customer has SAN based storage. They need to accelerate application performance.
Which HPE ProLiant Gen10 feature set will address this customer's needs?

A. intelligent system tuning
B. intelligent provisioning

C. CNSA suite
D. scalable persistent memory

Answer: A

NEW QUESTION 92
- (Exam Topic 2)
Match the feature to the lowest iLO5 license in which it is available

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Last - last 3-2
1-1
3-3

NEW QUESTION 93
- (Exam Topic 2)
You are installing a HPE MSA storage system and need to connect the power cooling module (PCM). What should you do to ensure power redundancy?

A. Ensure that a physical service processor is properly connected to each PCM
B. Verify that each cooling fan is cabled to a separate controller
C. Connect each PCM within a shelf to a different power distribution unit (PDU)
D. Connect redundant power cords from the PCM controller to independent power supplies

Answer: C

NEW QUESTION 95
- (Exam Topic 2)
A customer is configuring their SAN.
Which types of data typically require block storage? (Choose two.)

A. Windows 2016 file server role
B. Microsoft Exchange
C. Oracle database
D. Bridgehead medical image archive
E. Enterprise Vault email archive

Answer: BC

NEW QUESTION 98
- (Exam Topic 2)
You are installing new drives into the internal cage of a HPE ProLiant DL380 server. How is the drive device number set?

A. The Smart Array controller assigns the device number automatically based on the bay
B. HPE OneView uses the server profile to assign the device number
C. The operating system assigns the device number automatically based on the drive installation order
D. You must use Smart Storage Administrator to assign the device number

Answer: A

NEW QUESTION 100
- (Exam Topic 2)
A customer plans to use HPE ProLiant servers for line-of-business applications. They want to configure the servers to increase reliability.
Which workload profile should the customer use?

A. Virtualization – Max Performance
B. Transactional Application Processing
C. I/O Throughput
D. Mission Critical

Answer: D

NEW QUESTION 103
- (Exam Topic 2)
When should you use the HPE Switch Selector?

A. when you need to list the price information of the switches
B. when you need to select a switch VLAN configuration
C. when you need to compare features between multiple switches
D. when you need to perform a competitive analysis between vendors

Answer: C

NEW QUESTION 108
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