

Exam Questions HPE0-V14

Building HPE Hybrid IT Solutions

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NEW QUESTION 1

- (Exam Topic 1)

Refer to the exhibit.

```

172.16.5.1 - PuTTY
K11-S14-A: admin> portshow 0/0/1
portIndex:      1
portName: port1
portHealth:     Fabric vision license not present. Please install the license and retry the operation.

Authentication: None
portDisableReason: None
portCFlags: 0x1
portFlags: 0x20b03 PRESENT ACTIVE F_PORT G_PORT U_PORT LOGICAL_ONLINE LOGIN NOELP ACCEPT FLOGI
LocalSwcFlags: 0x0
portType: 18.0
PDP Port: Port is licensed
portState: 1 Online
Protocol: FC
portPhys: 6 In_Sync portSen: 32 F_Port
port generation number: 0
state transition count: 1

portId: 010100
portIfId: 43020015
portWwn: 20:01:c4:f5:7c:b3:25:e1
portWwn of device(s) connected:
    56:c9:ce:90:20:50:68:01
Distance: normal
portSpeed: N8Gbps

Credit Recovery: Inactive
Aoq: Inactive
FAA: Inactive
F_Trunk: Inactive
LE domain: 0
Peer beacon: Off
    
```

The information shown is displayed for a Nimble array you are installing. The customer's administrator has asked you for the speed at which the Nimble ports are connecting to their SAN switches, and you have run the command shown to determine the number of gigabits per second used by this port connection. What speed does the exhibit indicate is in use?

- A. 18
- B. 32
- C. 6
- D. 8

Answer: C

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 Form 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)

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

	<input type="text"/>	HPE 58x0AF Power-to-Port Airflow Fan Tray
<input type="text" value="Front to back"/>	<input type="text"/>	HPE 58x0AF Port-to-Port Airflow Fan Tray
<input type="text" value="Back to front"/>	<input type="text"/>	HPE X711 Port-to-Power Airflow High Volume Fan Tray
	<input type="text"/>	HPE X712 Power-to-Port Airflow High Volume Fan Tray

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

	<input type="text" value="Back to front"/>	HPE 58x0AF Power-to-Port Airflow Fan Tray
<input type="text" value="Front to back"/>	<input type="text" value="Front to back"/>	HPE 58x0AF Port-to-Port Airflow Fan Tray
<input type="text" value="Back to front"/>	<input type="text" value="Front to back"/>	HPE X711 Port-to-Power Airflow High Volume Fan Tray
	<input type="text" value="Back to front"/>	HPE X712 Power-to-Port Airflow High Volume Fan Tray

NEW QUESTION 4

- (Exam Topic 1)

What is a primary benefit of DAS?

- A. It takes advantage of Common Internet File System (CIFS).
- B. It is presented as an iSCSI LUN to the attached server.
- C. It can be accessed by both server and non-server devices simultaneously.
- D. It is connected directly to a server.

Answer: C

NEW QUESTION 5

- (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 6

- (Exam Topic 1)

Match each adapter to its characteristic.

Answer Area

Adapter

Characteristic

FlexLOM		provide RAID configuration using disks internal to the server
FlexFabric		allow choice of network interface on the motherboard
Smart Array		connect to native Fibre Channel SAN with a PCIe adapter
HBA		connect to a Fibre Channel over Ethernet (FCoE) SAN environment with a PCIe adapter

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Adapter

Characteristic

FlexLOM	Smart Array	provide RAID configuration using disks internal to the server
FlexFabric	FlexLOM	allow choice of network interface on the motherboard
Smart Array	HBA	connect to native Fibre Channel SAN with a PCIe adapter
HBA	FlexFabric	connect to a Fibre Channel over Ethernet (FCoE) SAN environment with a PCIe adapter

NEW QUESTION 7

- (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

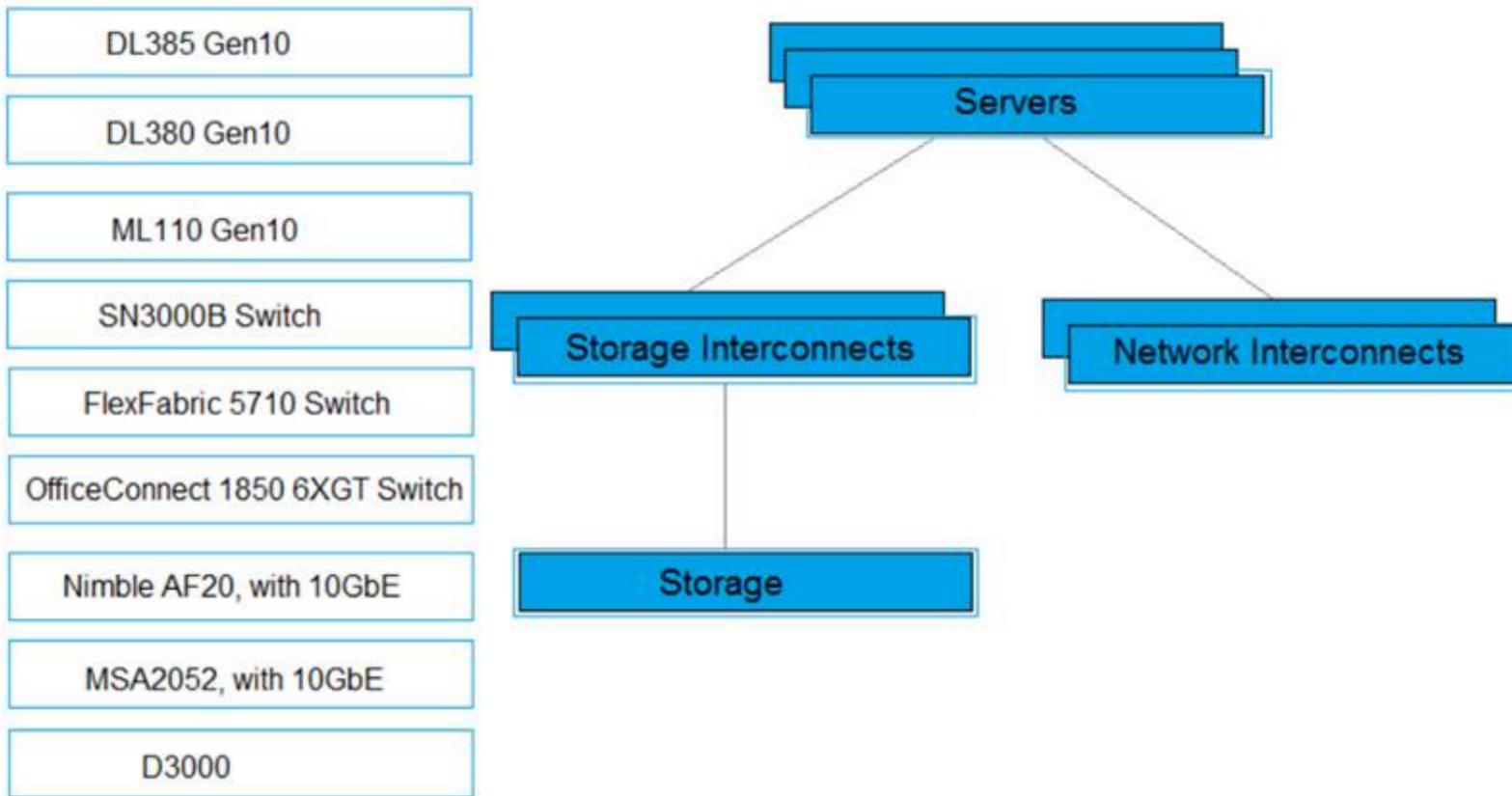
10TB of high performance shared storage

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

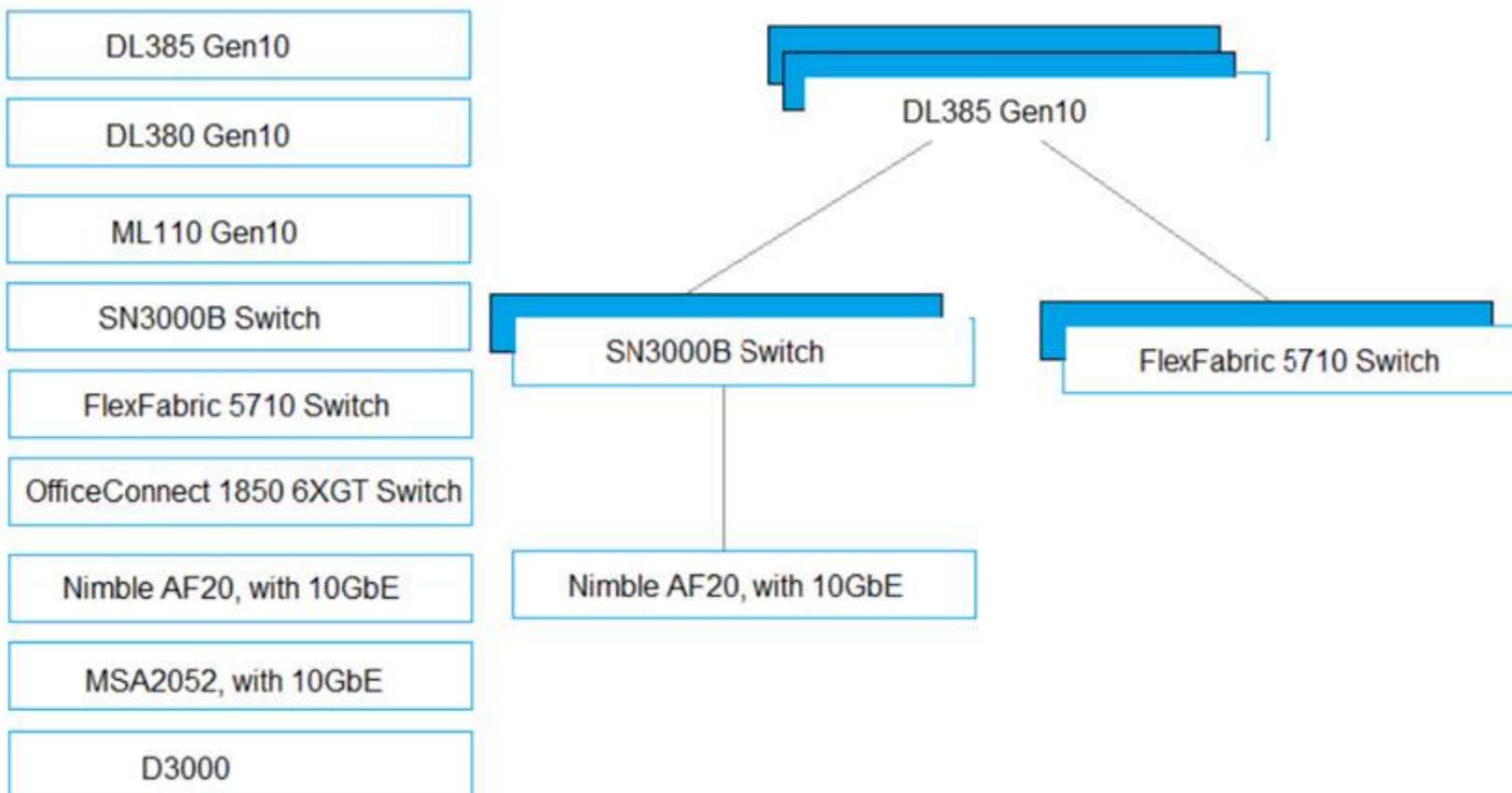


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 8

- (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 9

- (Exam Topic 1)

What is the most important difference between an HPE ProLiant DL380 Gen10 server and an HPE ProLiant DL385 Gen10 server?

- A. Disk Drives
- B. Power Supplies
- C. Network Cards
- D. Processors

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

A customer has the following requirements: two or more 10Gb SFP+ uplinks
 downlink ports capable of 1Gb or 10Gb operation over CAT6a or CAT7 cables
 24 downlink ports Which HPE tool would you use to help choose an HPE network solution that meets the customer requirements?

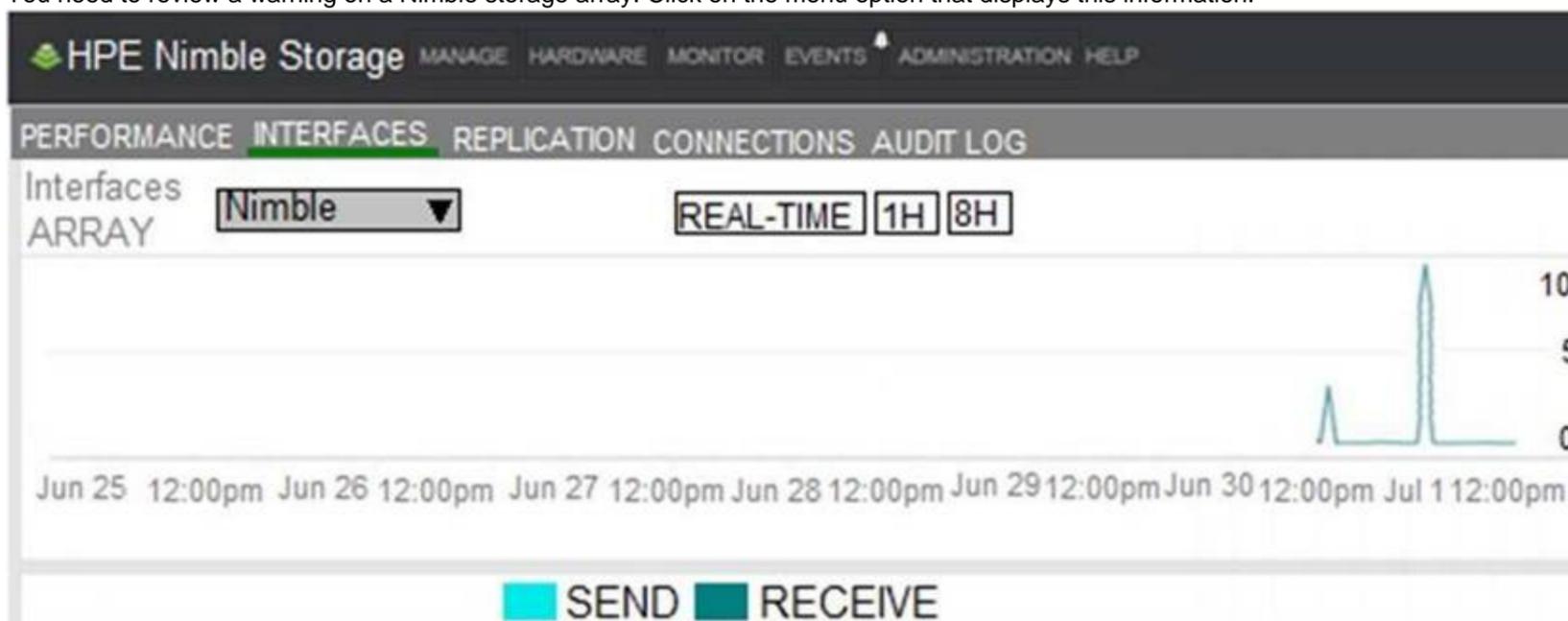
- A. HPE Switch Selector
- B. HPE NinjaSTARS
- C. HPE SAF
- D. HPE SPOCK

Answer: D

NEW QUESTION 10

- (Exam Topic 1)

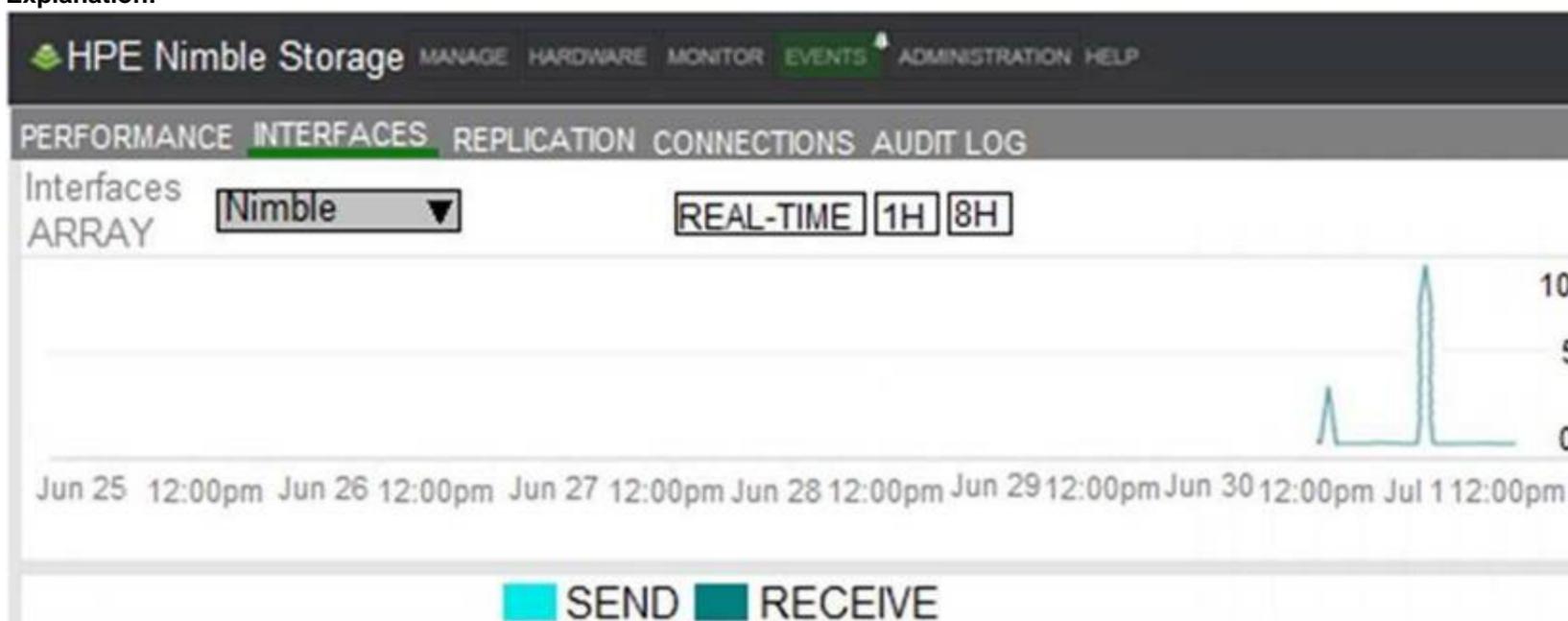
You need to review a warning on a Nimble storage array. Click on the menu option that displays this information.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 15

- (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 18

- (Exam Topic 1)

Match each customer data center architecture to its network topology.

Answer Area

- Collapsed 1-Tier using IRF/VSX
- Optimized L2 Fabric using IRF/VSX
- Optimized L3 Fabric using IRF/VSX
- Spine and leaf L3 ECMP using VXLAN and EVPN

exhibit 12.31.41

exhibit 12.28.91

exhibit 12.04.58

exhibit 12.43.25

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

- Collapsed 1-Tier using IRF/VSX
- Optimized L2 Fabric using IRF/VSX
- Optimized L3 Fabric using IRF/VSX
- Spine and leaf L3 ECMP using VXLAN and EVPN

exhibit 12.31.41

Spine and leaf L3 ECMP using VXLAN and EVPN

exhibit 12.28.91

Collapsed 1-Tier using IRF/VSX

exhibit 12.04.58

Optimized L2 Fabric using IRF/VSX

exhibit 12.43.25

Optimized L3 Fabric using IRF/VSX

NEW QUESTION 20

- (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 22

- (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 27

- (Exam Topic 2)

You are creating an internal array on an HPE ProLiant server. What can you do to maximize the storage space efficiency?

- A. Populate drive bays with the smallest-capacity drive first.
- B. Install drives that have the same capacity.
- C. Match the device numbers for the drives with their bay numbers.
- D. Populate drive bays with the largest-capacity drive first.

Answer: B

NEW QUESTION 32

- (Exam Topic 2)

Match the HPE Tool with its use case. Select all that apply.

HPE Tool

- Single Point of Connectivity Knowledge (SPOCK)
- One Config Advanced (OCA)
- Products & Solutions Now (PSNow)
- Ninja Stars
- iQuote

Use Case

- Estimate the power and cooling requirements and weight for a rack of equipment.
- Check compatibility of storage components.
- Download a technical presentation for a DL380 Gen10.

- 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 34

- (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 37

- (Exam Topic 2)

A customer requires a high level of network bandwidth and reliability. You are installing a pair of HPE switches that can provide redundancy with multiple connections between them for high availability and faster throughput.

Which technology should you configure on the switches to enable the capability the customer requires?

- A. Rapid Spanning Tree Protocol (RSTP)
- B. Virtual Extensible Local Area Network (VxLAN)
- C. Multichassis Link Aggregation (MLAG)
- D. Multiple Spanning Tree Protocol (MSTP)

Answer: C

NEW QUESTION 41

- (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 44

- (Exam Topic 2)

When installing servers in a rack, a customer has left gaps between the servers. What should you tell this customer regarding the space between servers? (Select two.)

- A. It should be filled with blanking panels.
- B. It does not provide correct rack airflow.
- C. It provides easy access for servicing components.
- D. It allows for easier cable management.
- E. It allows for side-to-side component cooling.

Answer: AB

NEW QUESTION 48

- (Exam Topic 2)

Match the HPE Tool with its use case. Select all that apply.

HPE Tool

- Single Point of Connectivity Knowledge (SPOCK)
- One Config Advanced (OCA)
- Products & Solutions Now (PSNow)
- Ninja Stars
- iQuote

Use Case

- Estimate the power and cooling requirements and weight for a rack of equipment.
- Check compatibility of storage components.
- Download a technical presentation for a DL380 Gen10.

- 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 49

- (Exam Topic 2)

A customer is upgrading their network infrastructure to provide the best performance for IP storage. Which technologies in a network switch meet the customer's

needs? (Choose three.)

- A. Jumbo Frames
- B. Deep Packet Buffers
- C. LLDP Support
- D. MLAG Support
- E. Fibre Channel Support
- F. Static Routing

Answer: ABD

NEW QUESTION 52

- (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 56

- (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 57

- (Exam Topic 2)

You 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 58

- (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 61

- (Exam Topic 2)

You are working on a server, and you notice that the blue UID light on the server is flashing slowly. What does this indicate?

- A. The host server is in standby mode
- B. The system is being managed remotely
- C. The host has rebooted and is performing POST actions
- D. The system is experiencing power issues

Answer: B

NEW QUESTION 63

- (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 67

- (Exam Topic 2)

A customer is planning an upgrade to their network infrastructure. They want to move to an open networking solution, and they want to install a network switch that supports their choice of network operating system.

Which HPE product family will meet the customer's needs?

- A. Altoline
- B. FlexFabric
- C. Arista
- D. Aruba

Answer: A

NEW QUESTION 70

- (Exam Topic 2)

You are designing a system for a customer that has a contract with a government agency. The contract requires the highest level of security algorithms possible.

Which HPE ProLiant Gen10 feature set will address this customer's needs?

- A. CNSA mode
- B. FIPS 140-2 mode
- C. high security mode
- D. production mode

Answer: A

NEW QUESTION 73

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