

HPE0-V14 Dumps

Building HPE Hybrid IT Solutions

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NEW QUESTION 1

- (Exam Topic 1)

You have configured a port on an HPE FlexFabric 5900 series switch that is connected to a VMware ESXi server to support multiple VLANs.

```
interface Ten-GigabitEthernet 1/0/11 description server ESXi01 -eth1 port link-type trunk
port trunk permit vlan 50 port trunk permit vlan 2 port trunk pvid vlan 50
```

Given the configuration above, what should happen to any of the untagged traffic coming from the VMware ESXi host?

- A. The untagged traffic with be dropped.
- B. The untagged traffic will be transmitted in vlan 2.
- C. The untagged traffic will be transmitted in vlan 50.
- D. The untagged traffic will be transmitted in vlan 1.

Answer: C

NEW QUESTION 2

- (Exam Topic 1)

Match the speed and protocol with the appropriate component.

Component

SFP+

QSFP28

Mini-SAS HD 4x

Speed and Protocol

10GbE

12Gb SAS

100GbE

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Component

SFP+

QSFP28

Mini-SAS HD 4x

Speed and Protocol

10GbE

12Gb SAS

100GbE

NEW QUESTION 3

- (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   portScn: 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 4

- (Exam Topic 1)

What should you configure to limit the scope of broadcast domains in an Ethernet network?

- A. Trunks
- B. VSAN
- C. Static ARP
- D. VLAN

Answer: D

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)

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 7

- (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 8

- (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 9

- (Exam Topic 1)

Match each adapter to its characteristic.

Answer Area

Adapter		Characteristic
FlexLOM	<input type="text"/>	provide RAID configuration using disks internal to the server
FlexFabric	<input type="text"/>	allow choice of network interface on the motherboard
Smart Array	<input type="text"/>	connect to native Fibre Channel SAN with a PCIe adapter
HBA	<input type="text"/>	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 10

- (Exam Topic 1)

A customer has a VMware environment with HPE ProLiant servers and Nimble storage. They have been using a Windows VM to provide file services for their employees.

The customer is experiencing performance issues with the solution due to memory constraints on the virtual environment.

What could be added to the existing environment that will provide dedicated file services with better performance that would still utilize the existing storage and backup solutions?

- A. HPE StoreEver 30750
- B. HPE Storage Performance File Controller
- C. HPE StoreEasy 1460 Storage
- D. HPE StoreEasy 1650 Expanded Storage

Answer: C

NEW QUESTION 10

- (Exam Topic 1)

A customer wants to install an HPE Proliant server that has a single dual port 10Gb NIC.

Which NIC feature should you introduce to allow each 10Gb port to be seen as four individual adapters in the operating system?

- A. NPAR
- B. RoCE
- C. FCoE
- D. RDMA

Answer: A

NEW QUESTION 14

- (Exam Topic 1)

Match each characteristic to the correct storage type.

Answer Area

DAS		Allows access to volumes over FCP and iSCSI protocols
NAS		Ability to share file-based storage across an Ethernet network
Storage Array		Allows shared block level access over a network
		JBOD storage connected to one server using SAS

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

DAS	Storage Array	Allows access to volumes over FCP and iSCSI protocols
NAS	NAS	Ability to share file-based storage across an Ethernet network
Storage Array	Storage Array	Allows shared block level access over a network
	DAS	JBOD storage connected to one server using SAS

NEW QUESTION 19

- (Exam Topic 1)

Which protocol can be used to access a shared directory on a network-attached storage device?

- A. SNMP
- B. SMB
- C. FCP

Answer: B

NEW QUESTION 23

- (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 25

- (Exam Topic 1)

A customer needs a shared storage solution for a virtualization platform that will host a database application. The customer is considering an HPE Nimble array. Which feature would lead you to propose an HPE Nimble AF40 over an HPE 3PAR All Flash array?

- A. Fibre Channel Connectivity
- B. 10Gb iSCSI support
- C. Supported by Infosight for predictive analytics
- D. Predictable performance event with one failed controller

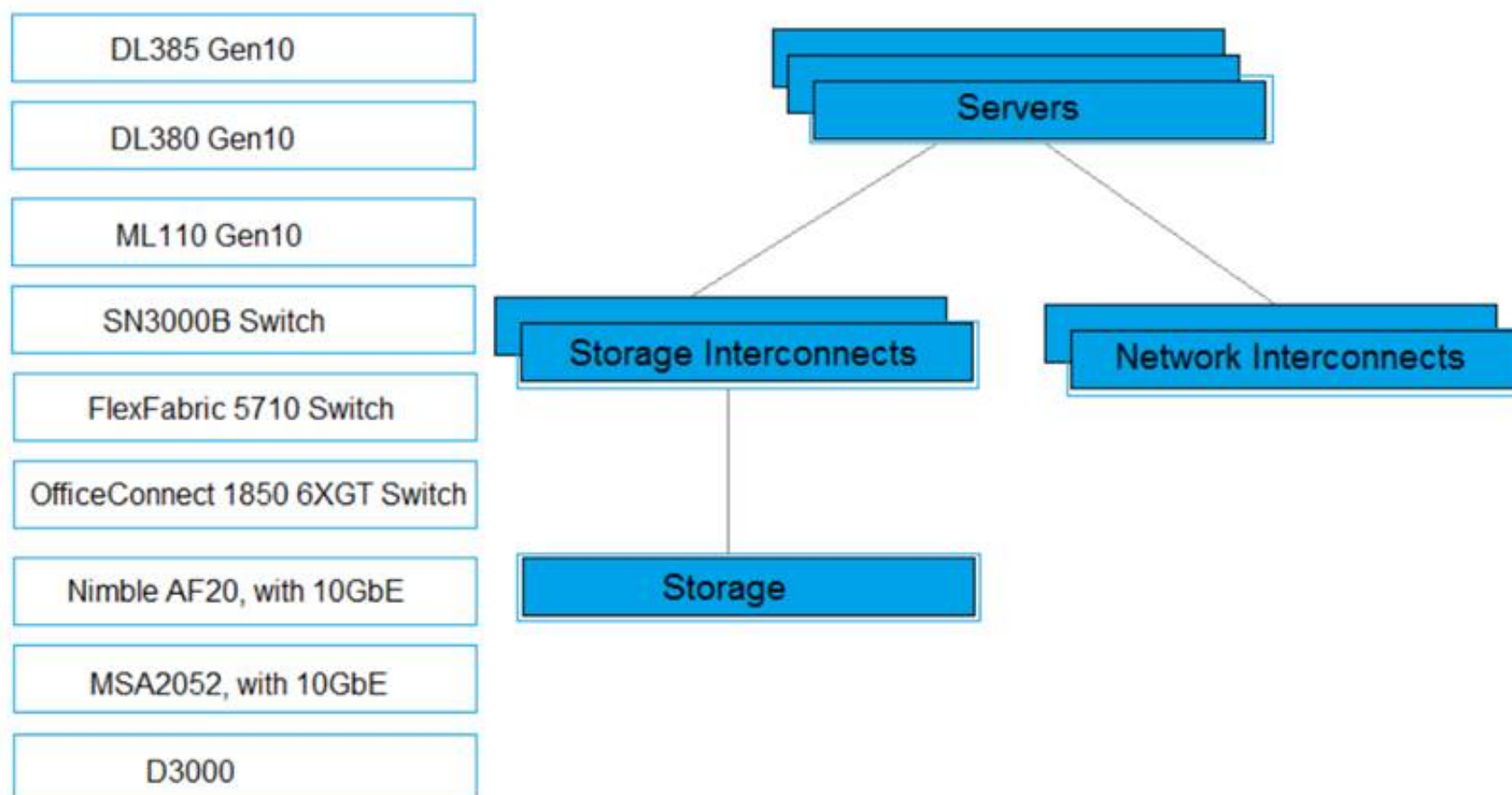
Answer: C

NEW QUESTION 27

- (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

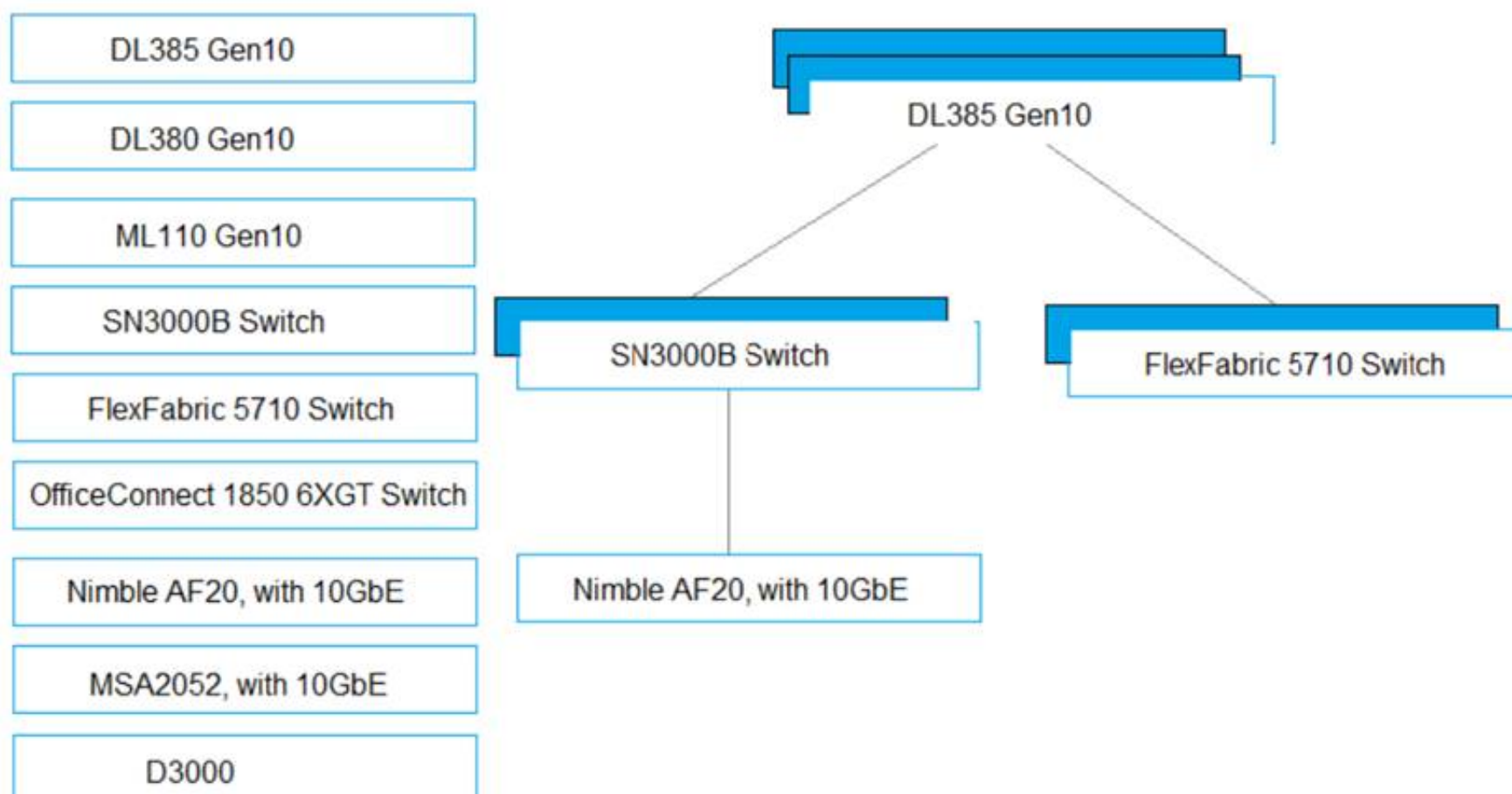


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 28

- (Exam Topic 1)

A retail company recently implemented a Video surveillance solution. They now need an MSA storage solution with 100TB capacity. They want to be able to add more disk capacity if needed.

Which HPE tool can help you choose a storage solution, determine the total usable capacity, and create a BOM?

- A. HPE SPOCK
- B. HPE NinjaSTARS
- C. HPE Storage Sizing Tool
- D. HPE One Config Advanced

Answer: A

NEW QUESTION 32

- (Exam Topic 1)

A customer needs NFS access on a fiber channel array.

What must be included in the solution to meet this requirement?

- A. StoreEver
- B. Storage File Controller
- C. Smart Array Controller
- D. StoreOnce RMC

Answer: B

NEW QUESTION 37

- (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 38

- (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 41

- (Exam Topic 1)

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?

- A. HPE NinjaSTARS
- B. HPE One Configuration Advanced
- C. HPE OneView Advanced
- D. HPE SPOCK

Answer: D

NEW QUESTION 42

- (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 44

- (Exam Topic 1)

Refer to the exhibit.

```
admin> cfgshow

Defined configuration:
  cfg:      zone_cfg_1
           nimble_esx_1_zone
  zone:     nimble_esx_1_zone
           ESX1; NIMBLE1A
  alias:    ESX1 51:40:2e:c0:11:0b:a4:c0
  alias:    NIMBLE1A
           56:c9:ce:90:20:50:68:01

Effective configuration:
  cfg:      zone_cfg_1
  zone:     nimble_esx_1_zone
           51:40:2e:c0:11:0b:a4:c0
           56:c9:ce:90:20:50:68:01
```

When performing a code upgrade on an HPE Nimble array, you noticed a connection failure on ESX1. Refer to the exhibit showing the complete zoning configuration of one of the HPE SN3000B switches.

What should you do to ensure storage access is not interrupted when doing the next update?

- A. Create an ISL between the two HPE SN3000B switches.
- B. Create a new zone for ESX1 and the second storage controller.
- C. Change the timeout values on the SN3000B switch.
- D. Configure the same zone on a second HPE SN3000B.

Answer: C

NEW QUESTION 47

- (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 multiple VLANs
- C. A port that is connected to an FCF
- D. A port that carries untagged frames inside the network

Answer: D

NEW QUESTION 49

- (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 52

- (Exam Topic 2)

You need to install 10 HPE ProLiant servers in an environment without DHCP. Which tool can you use to set up remote management?

- A. Intelligent Provisioning
- B. UEFI System Utilities
- C. Intelligent Management Center
- D. iLO 5 Configuration Utility

Answer: C

NEW QUESTION 54

- (Exam Topic 2)

A customer needs to create a large RAID set for archive storage on large-capacity drives. Which RAID level is recommended for this customer?

- A. RAID 0
- B. RAID 5+0
- C. RAID 1+0
- D. RAID 6

Answer: D

NEW QUESTION 55

- (Exam Topic 2)

A customer needs a video archive repository initially starting at 30TB internal storage. The repository is expected to grow at 20% annually and should have a lifespan of 3 years.

Which HPE ProLiant server solution meets the customer's requirements?

- A. HPE ProLiant DL560 Gen10 with LFF SAS drives
- B. HPE ProLiant DL380 Gen10 with LFF SAS drives
- C. HPE ProLiant ML110 with SFF SAS drives
- D. HPE ProLiant DL560 Gen9 with SFF SAS drives

Answer: B

NEW QUESTION 60

- (Exam Topic 2)

You are configuring a FlexFabric switch for a customer environment. The customer has requested specific SFP+ transceivers, power options, and cables.

Which HPE tool enables you to select and configure a switch according to precise specifications?

- A. Single Point of Connectivity Knowledge (SPOCK)
- B. Networking Online Configurator
- C. One Config Simple (OCS)
- D. Switch Selector

Answer: C

NEW QUESTION 65

- (Exam Topic 2)

In which layer of the OSI model would you find an IP address?

- A. Application
- B. Network
- C. Physical
- D. Data link

Answer: B

NEW QUESTION 70

- (Exam Topic 2)

A customer has an application that consumes 500 GB storage and requires an RTO and PRO of 15 minutes.

Which backup and recovery technology enables the customer to meet their requirements in the most cost-effective manner?

- A. offsite tape backup
- B. remote storage replication
- C. log shipping
- D. disk-to-disk appliance

Answer: D

NEW QUESTION 75

- (Exam Topic 2)

A company needs a solution that provides SMB and NFS file shares. The solution must have a built-in data backup to Microsoft Azure.

Which HPE solution meets the customer's needs?

- A. StoreOnce 3520
- B. StoreEasy 1000
- C. StoreOnce VSA
- D. StoreVirtual VSA

Answer: B

NEW QUESTION 76

- (Exam Topic 2)

A customer needs a solution that will maintain data availability in their campus location. They require a multi-node system that can sustain multiple failures, including a full building outage.

Which HPE storage platform meets the customer's needs?

- A. Nimble
- B. StoreVirtual
- C. StoreEasy
- D. MSA

Answer: D

NEW QUESTION 78

- (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 83

- (Exam Topic 2)

A customer requires a storage platform for their department data. They have a limited budget and will be sharing files among their Microsoft Windows environment. Which HPE storage platform meets the customer's needs?

- A. Nimble
- B. StoreOnce
- C. 3PAR StoreServ
- D. StoreEasy

Answer: D

NEW QUESTION 86

- (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 89

- (Exam Topic 2)

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

HPE Tool

Use Case

Single Point of Connectivity Knowledge (SPOCK)

Estimate the power and cooling requirements and weight for a rack of equipment.

One Config Advanced (OCA)

Check compatibility of storage components.

Products & Solutions Now (PSNow)

Download a technical presentation for a DL380 Gen10.

Ninja Stars

iQuote

- 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 93

- (Exam Topic 2)

You are troubleshooting a POST error on a HPE ProLiant rack-mount server. HPE support has directed you to test a minimum hardware configuration. Which components should you remove? (Choose two.)

- A. CMOS battery
- B. all cooling fans
- C. all expansion boards
- D. all external storage media
- E. redundant processors

Answer: DE

NEW QUESTION 98

- (Exam Topic 2)

A customer needs to share files among their Microsoft Windows servers cost-effectively and requires disaster support. Which native StoreEasy features will address the customer's need? (select two) recovery

- A. Dual controller architecture
- B. DFS-Replication
- C. Microsoft Azure support
- D. Enhanced data deduplication
- E. File classification infrastructure

Answer: CD

NEW QUESTION 100

- (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 104

- (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 109

- (Exam Topic 2)

Which component of HPE iLO provides continuous monitoring of more than 1600 parameters?

- A. insight Diagnostics
- B. Active Health System
- C. Insight Remote Support
- D. Silicon root of trust

Answer: B

NEW QUESTION 113

- (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 117

- (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 122

- (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 123

- (Exam Topic 2)

You are installing an HPE StoreOnce backup system in a customer's environment. They need a simple and cost-effective method to centralize and automate the backup of multiple servers (file, virtualization, database). They also need the ability to integrate with an existing third-party backup software.

How must you configure the StoreOnce system to meet the customer's requirements?

- A. block device
- B. replication target
- C. NDMP target
- D. VTL device

Answer: D

NEW QUESTION 124

- (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 128

- (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 131

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