

# HP

## Exam Questions HPE0-V25

HPE Hybrid Cloud Solutions



#### NEW QUESTION 1

your customer has a small once with five employees and needs a tower server for a File & print workload. Which server series should they use?

- A. Apollo Series
- B. ML series
- C. Synergy Series
- D. DL series

**Answer:** B

#### NEW QUESTION 2

You are considering requirements for a database server. What is the most important component to employ?

- A. File and Print software
- B. GPU accelerators
- C. Antivirus Software
- D. Fault-tolerant memory

**Answer:** D

#### Explanation:

According to Database Design Resource, fault-tolerant memory is a type of memory that can detect and correct errors without affecting the performance or availability of the database server<sup>1</sup>. Fault-tolerant memory can help prevent data corruption and loss, which are critical issues for database servers<sup>1</sup>.

#### NEW QUESTION 3

Match the RAID level with its capacity overhead. (Each option may be used once, more than once, or not at all.)

Capacity of one drive

Zero overhead from capacity prospective

Capacity of two drives

**Answer Area**

RAID 1

RAID 0

RAID 5

RAID 6

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

- RAID 0: This level has zero overhead from capacity perspective, as it uses all the available disk space for data storage without any redundancy or parity. However, it also has no fault tolerance and if one disk fails, all data is lost<sup>12</sup>.
- RAID 1: This level has capacity of one drive as overhead, as it uses disk mirroring to create an exact copy of data on two or more disks. This provides high reliability and fault tolerance, but reduces the usable disk space by half<sup>12</sup>.
- RAID 5: This level has capacity of one drive as overhead, as it uses disk striping with parity to distribu data and parity blocks across three or more disks. This provides a balance between performance and reliability, as it can tolerate one disk failure without losing data<sup>12</sup>.
- RAID 6: This level has capacity of two drives as overhead, as it uses disk striping with double parity t distribute data and two parity blocks across four or more disks. This provides higher reliability and fault tolerance than RAID 5, as it can tolerate two disk failures without losing data<sup>12</sup>.

#### NEW QUESTION 4

A customer needs Help setting up their bootable logical drive/volume, checking online drive firmware activation readiness, and managing device identification Leds

What HPE tool should you recommend?

- A. smart storage Administrator
- B. Integrated Smart Update Tool
- C. HPE OneView
- D. Service pack for ProLiant

**Answer:** A

#### Explanation:

the HPE Smart Storage Administrator (SSA) is a web-based application that helps you configure, manage, diagnose, and monitor HPE ProLiant Smart Array Controllers and now other storage devices as well, such as host bus adapters (HBAs), HPE Storage controllers, and future devices such as SCSI Express drives, and SAS switch devices.

Some of the features of the HPE SSA include:

- Creating a bootable logical drive
- Checking online drive firmware activation readiness

- > Managing device identification LEDs
- > Configuring drive erase
- > Creating and managing arrays and logical drives
- > Viewing controller and drive status and health information
- > Updating controller firmware

#### NEW QUESTION 5

What value does deploying workloads on HPE GreenLake provide? (Select two.)

- A. Pay for resources consumed
- B. Foundation Care support
- C. Capacity on demand licensing model
- D. capacity ahead Of demand
- E. Single-pane management interface with OneView for storage and server management

**Answer:** AD

#### Explanation:

HPE GreenLake is a cloud services platform that delivers on-demand capacity and planning, combining the agility and economics of the public cloud with the security and performance of on-premises IT. Some of the benefits of HPE GreenLake include:

- > Pay for resources consumed: HPE GreenLake offers a pay-per-use model that aligns costs with actual usage, reducing overprovisioning and improving cash flow. Customers can also scale up or down as needed and only pay for what they use.
- > Capacity ahead of demand: HPE GreenLake provides customers with buffer capacity that is ready to use in minutes, not months, enabling them to respond quickly to changing business needs. Customers can also access a range of cloud services from HPE and partners through a self-service portal.

#### NEW QUESTION 6

Match the protocol to a fundamental approach for storing data. (Each option may be used once, more than once, or not at all.)

NAS		Block access using a FC protocol.
SAN		Block access using FCoE protocol.
		Sharing files over industry standard protocols such as NFSv4 or SMB.
		Block access using the iSCSI protocol.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

- > NAS: c) Sharing files over industry standard protocols such as NFSv4 or SMB.
- > SAN: a) Block access using a FC protocol. or b) Block access using FCoE protocol or d) Block access using the iSCSI protocol.

According to the HPE website, NAS stands for Network Attached Storage and is a storage system that provides file-level access to data over a network. NAS devices use protocols such as NFSv4 or SMB to share files with clients. NAS devices typically have their own file system and operating system and can support multiple users and applications.

SAN stands for Storage Area Network and is a network that provides block-level access to data over a dedicated network. SAN devices use protocols such as FC, FCoE, or iSCSI to transfer blocks of data to servers. SAN devices do not have their own file system and rely on the servers to manage the data. SAN devices typically provide high performance and availability for mission-critical applications.

#### NEW QUESTION 7

What benefit does using HPE GreenLake central provide for customers?

- A. It provides aggregated usage across on-premises and cloud deployments in AWS and Microsoft Azure.
- B. It provides One-Click provisioning through a pre-packaged application store with curated, prebuilt images for a wide range of applications.
- C. It can run real-time assessments and offer insights about potential exposure to failures and external attacks.
- D. It can analyze different workloads the customer is running and provide guidance on the best server for the workload.

**Answer:** A

#### Explanation:

This is because HPE GreenLake Central is an online portal that enables customers to manage and optimize their hybrid cloud environments. It provides a unified view of the costs, capacity, consumption and compliance of their on-premises GreenLake systems and their public cloud platforms such as AWS and Azure. It also offers insights and recommendations to help customers improve their IT performance, ROI and data protection.123

#### NEW QUESTION 8

An RFP states that the database server requires two processors out must be available to scale to four inside a 2U chassis. Which server would satisfy the customer requirements?

- A. DL560 Gen10 server
- B. TWO DL380 Gen 10 servers
- C. Two DL360 Gen10 servers

D. DL580 Gen10 server

**Answer:** A

**Explanation:**

This is because the HPE ProLiant DL560 Gen10 server is a 2U rack server that supports up to four Intel Xeon Scalable processors with up to 48 cores per processor. It also supports up to 6 TB of memory and up to 12 LFF or 24 SFF drives.1 a 2U chassis.

**NEW QUESTION 9**

It can satisfy the customer requirements of having two processors and scaling to four inside  
Which new feature is provided by the Storage Management utility v4?

- A. autonomic
- B. automatic file classification
- C. automatic installation of new recommended firmware versions
- D. easy switching of active firmware versions

**Answer:** D

**Explanation:**

one of the topics covered in the module 4 of the Implementing HPE MSA Storage Solutions course is “Explain the firmware update process on MSA”. This suggests that the firmware update is a maintenance task that can be performed with the Storage Management utility v4.

**NEW QUESTION 10**

your customer runs a small datacenter and their storage requirements change on a month-to-month basis. They want to easily monitor their Cloud costs/usage and grow their resources.  
Which self-service platform will fill their requirements?

- A. HPE InfoSight
- B. HPE GreenLake central
- C. HPE GreenLake Data Services Cloud Console
- D. HPE Compute Ops Management

**Answer:** B

**Explanation:**

HPE GreenLake Central is a self-service platform that gives customers a consistent cloud experience for all their applications and data, across edges, colocations, and data centers. Some of the features of HPE GreenLake Central include:

- Easily monitor cloud costs and usage: HPE GreenLake Central provides customers with visibility and control over their cloud spending and consumption across hybrid environments. Customers can view their usage and costs by service, location, application, or business unit. They can also set budgets, alerts, and policies to optimize their cloud resources and expenses.
- Grow resources as needed: HPE GreenLake Central enables customers to scale up or down their cloud services and resources as their business needs change. Customers can access a catalog of cloud services from HPE and partners through a self-service portal and order them with a few clicks. They can also leverage buffer capacity that is ready to use in minutes, not months.

**NEW QUESTION 10**

Your customer needs a server a maximum Of two processors thatwill providehighperformance, manageability, expansion,and security.  
Which server should you recommend?

- A. DL560
- B. DL380
- C. DL110
- D. DL20

**Answer:** B

**Explanation:**

HPE ProLiant DL380 Gen10 server is a versatile 2U rack server that delivers world-class performance and security for a wide range of workloads. The server supports up to two Intel Xeon Scalable processors with up to 28 cores per processor and up to 3 TB of memory. The server also offers a range of management, expansion, and security features, such as:

- HPE iLO 5 software for remote management and monitoring
- HPE Smart Array controllers for RAID configuration and data protection
- HPE SmartMemory for enhanced performance and reliability
- HPE Flexible Slot power supplies for efficiency and redundancy
- HPE FlexibleLOM adapters for network connectivity options
- HPE Persistent Memory for fast data access and analytics
- HPE Secure Boot and Secure Start for firmware validation and protection

**NEW QUESTION 13**

Match the RAID level to the number of drive failures an array can handle without losing data. (Each option may be used once, more than once, or not at all.)

any single drive		any two drives	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Answer Area**

<input type="checkbox"/>	RAID 1
<input type="checkbox"/>	RAID 1 ADM
<input type="checkbox"/>	RAID 5
<input type="checkbox"/>	RAID 6

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

- RAID 1: any single drive
- RAID 1 ADM: any two drives
- RAID 5: any single drive
- RAID 6: any two drives
- RAID 1: This is a level of RAID that uses mirroring to create an exact copy of data on two or more disks. It can tolerate the failure of any single drive without losing data, as long as the other drive is still functional.
- RAID 1 ADM: This is a level of RAID that uses advanced data mirroring to create two copies of data on three disks. It can tolerate the failure of any two drives without losing data, as long as the third drive is still functional.
- RAID 5: This is a level of RAID that uses striping with parity to distribute data and parity information across three or more disks. It can tolerate the failure of any single drive without losing data, as long as the other drives can reconstruct the data from the parity information.
- RAID 6: This is a level of RAID that uses striping with double parity to distribute data and two sets of parity information across four or more disks. It can tolerate the failure of any two drives without losing data, as long as the other drives can reconstruct the data from the double parity information.

**NEW QUESTION 16**

You need a tool on a SAN Fabric that Will deliver protocol diagnostic, fabric configuration validation With SPOCK, and assess the health of physical ports with self-healing and fabric monitoring. It must perform end-to-end diagnostics while using predefined templates to reduce configuration errors. Which diagnostic tool should be used?

- A. HPE InfoSight
- B. On-Line Diagnostics
- C. Off-Line Diagnostics
- D. Network Orchestrator

**Answer:** A

**Explanation:**

According to the HPE website, HPE InfoSight is a cloud-based AI platform that delivers global visibility and insights into the health, performance, and capacity of your HPE storage and servers. It can also provide protocol diagnostics, configuration validation with SPOCK, and assess the health of physical ports with self-healing and fabric monitoring<sup>1</sup>. It can also perform end-to-end diagnostics while using predefined templates to reduce configuration errors<sup>1</sup>

**NEW QUESTION 21**

your customer requires a server that can support a database Of 5TB to run in memory. Which HPE server family should you recommend?

- A. DL385 Gen10 plus v2
- B. APollo 4510 Gen10 Plus V2
- C. DL560 Gen10
- D. DL345 Gen10 Plus

**Answer:** C

**Explanation:**

HPE ProLiant DL560 Gen10 Server is a high-density, 4P server with high performance, scalability and reliability. It supports up to 6 TB of memory with 48 DIMM slots and up to 12 TB of memory with 96 DIMM slots when using HPE Persistent Memory<sup>2</sup>. This means that it can support a database of 5 TB to run in memory.

**NEW QUESTION 24**

Match the HPE server models With the appropriate specification.



## Answer Area

### Server

DL20 Gen10 Plus
DL180 Gen10
DL345
DL560

### Specification

	Flexible and affordable 15" deep server supporting the latest intel XEON E processors
	High-density, four-socket server with high performance, scalability and reliability, all in a 2U chassis for business-critical computing performance
	Secure and cost effective 1P 2U server delivering flexible storage capacity, delivering a high core count, and a large memory footprint
	Secure 2P 2U server delivering world-class compelling performance with the right balance of expandability and scalability

- A. Mastered  
B. Not Mastered

Answer: A

### Explanation:

- The DL20 Gen10 Plus is a flexible and affordable 15" deep server supporting the latest Intel XEON E processors<sup>12</sup>.
- The DL180 Gen10 is a secure and cost effective IP 2U server delivering flexible storage capacity, delivering a high core count, and a large memory footprint<sup>12</sup>.
- The DL345 is a high-density, four-socket server with high performance, scalability and reliability, all i a 2U chassis for business-critical computing performance<sup>12</sup>.
- The DL560 is a secure 2P 2U server delivering world-class compelling performance with the right balance of expandability and scalability<sup>12</sup>.

## NEW QUESTION 25

Match the preconfigured HPE workload Profile With Its definition.

### Profile

### Definition

General power efficient compute		This is a default out-of-the-box profile that uses the most common performance settings seen across most application workloads
IO throughput		This profile setting will ensure that all available virtualization technologies are enabled and configured for maximum performance.
Graphics processing		It is intended for configurations that depend on maximum throughput between IO and memory.
Virtualization —Max Performance		This profile is intended for configurations that use GPUs and depend on maximum bandwidth between IO and memory.

- A. Mastered  
B. Not Mastered

Answer: A

### Explanation:

HPE workload profile is one of the HPE Intelligent System Tuning (IST) features and allows you to tune the resources in your HPE ProLiant server by choosing a preconfigured workload profile. The server will automatically configure the BIOS settings to match the selected workload<sup>12</sup>.

According to the information I found on the web, here is how you can match the preconfigured HPE workload profile with its definition:

- General power efficient compute: This is a default out-of-the-box profile that uses the most common performance settings seen across most application workloads. It also enables power management settings that have minimal impact to overall performance. This profile is recommended for customers that do not typically tune their BIOS for their workload<sup>1</sup>.
- IO throughput: This profile is intended for configurations that depend on maximum throughput between IO and memory. It disables power management settings that are known to have impact on maximum achievable bandwidth. It also applies settings that benefit NUMA awareness, as best throughput is achieved when the workload is also NUMA aware and optimized<sup>1</sup>.
- Graphics processing: This profile is intended for configurations that use GPUs and depend on maximum bandwidth between IO and memory. It disables power management settings that are known to have impact on maximum achievable bandwidth. It also applies settings that benefit NUMA awareness, as best throughput is achieved when the workload is also NUMA aware and optimized<sup>1</sup>.
- Virtualization —Max Performance: This profile setting will ensure that all available virtualization technologies are enabled and configured for maximum performance. It disables power management settings in favor of delivering maximum performance. Certain virtualization technologies can have possible performance impacts to nonvirtualized environments and can be disabled in other profiles

## NEW QUESTION 30

your customer has an existing MSA 2060 with 20 SAS drives. They want to enhance the performance by adding SSD drives in the four remaining slots  
What mandatory option must be sold with the four SSD drives?

- A. HPE Advanced Data services suite license  
B. HPE PointNext Advisory & professional services  
C. HPE MSA Health Check Tool

D. HPE Data Services Cloud Console subscription

**Answer:** A

**Explanation:**

According to HPE, this license enables advanced features such as performance tiering and RAID tier affinity for HPE MSA 2060 storage arrays<sup>1</sup>. These features can help enhance the performance of SSD drives by automatically moving hot data to faster drives and keeping data on the same RAID group<sup>1</sup>.

**NEW QUESTION 34**

Your customer wants a new server for a File & print workload.  
What are the most important factors to consider?(Select two.)

- A. support level
- B. power supply wattage
- C. storage capacity
- D. transfer rate
- E. form factor

**Answer:** CE

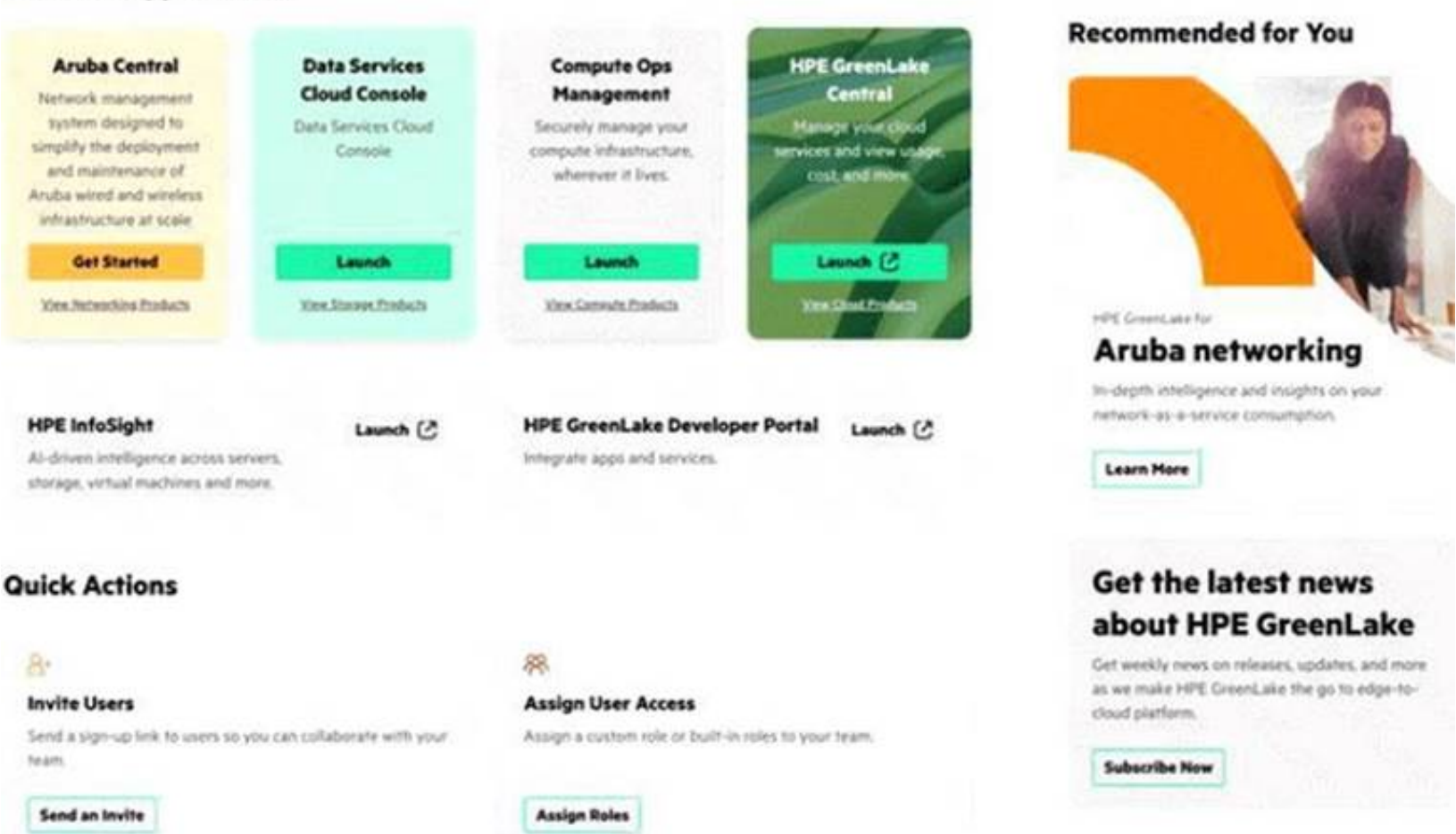
**Explanation:**

This is because a file and print workload requires a server that can store and share large amounts of data with multiple users and devices. Therefore, the server should have enough storage capacity to meet the current and future data needs of the customer. The form factor of the server also matters because it determines how much space the server occupies and how easy it is to install and maintain. Depending on the customer's preferences and constraints, they may choose a tower, rack or blade server.

**NEW QUESTION 39**

You connect to the compute ops Management (COM) through the Green lake Cloud Platform dashboard. The server you want to manage is missing  
Click where you can add the server so it appears in the CoM.

**Featured Applications**



The screenshot displays the HPE GreenLake Cloud Platform dashboard. It features several application tiles under the 'Featured Applications' section, including Aruba Central, Data Services Cloud Console, Compute Ops Management, HPE GreenLake Central, HPE InfoSight, and HPE GreenLake Developer Portal. Each tile has a 'Launch' button. To the right, there is a 'Recommended for You' section with a large orange arrow pointing to a woman working on a laptop, and a 'Learn More' button. Below the featured applications, there is a 'Quick Actions' section with two main actions: 'Invite Users' (with a 'Send an Invite' button) and 'Assign User Access' (with an 'Assign Roles' button). On the far right, there is a 'Get the latest news about HPE GreenLake' section with a 'Subscribe Now' button.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



Featured Applications

Aruba Central

Network management system designed to simplify the deployment and maintenance of Aruba wired and wireless infrastructure at scale

Get Started

View Networking Products

Data Services Cloud Console

Data Services Cloud Console

Launch

View Storage Products

Compute Ops Management

Securely manage your compute infrastructure, wherever it lives.

Launch

View Compute Products

HPE GreenLake Central

Manage your cloud services and view usage, cost, and more.

Launch

View Cloud Products

HPE InfoSight

AI-driven intelligence across servers, storage, virtual machines and more.

Launch

HPE GreenLake Developer Portal

Integrate apps and services.

Launch

Recommended for You




HPE GreenLake for

Aruba networking

In-depth intelligence and insights on your network-as-a-service consumption.

Learn More


Quick Actions



Invite Users

Send a sign-up link to users so you can collaborate with your team.

Send an Invite



Assign User Access

Assign a custom role or built-in roles to your team.

Assign Roles

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NEW QUESTION 42

you want to quickly 100k up the list price of an HPEhardware component. Which pre-saves toolhas a QuickQuotefunction?

- A. HPE smart CID
- B. HPE CloudPhysics
- C. HPE seismic
- D. HPE ProductBiletin

Answer: D

Explanation:

This tool has a Quick Quote function that allows you to quickly look up the list price of an HPE hardware component by entering the product number or selecting from a list of products. You can also add multiple products to a quote and export it to a file or email it to yourself or others.

NEW QUESTION 45

Match the HPE storage products to their use case.

Product

HPE MSA2062	
HPE SimpliVity	
HPE StoreEver LTO-9 Ultrium 45000 External Tape Drive	
HPE StoreOnce 3660	

Use Case

- Provides storage for two HPE ProLiant DL380 Gen10 servers in a branch office
- Secures backup data with an air-gap separation
- Enterprise HCI with integrated compute, storage, and data protection
- Provides a disk-based backup functionality with efficient deduplication

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

HPE MSA2062 -> Provides storage for two HPE ProLiant DL380 Gen10 servers in a branch office1  
HPE  
SimpliVity -> Enterprise HCI with integrated compute storage and data protection2  
HPE StoreEver LTO 9  
Ultrium 45000 External Tape Drive -> Secures backup data with an air-gap separation3  
HPE StoreOnce 3660 -> Provides a disk-based backup functionality with efficient deduplication

NEW QUESTION 47

Your customer has multiple, remote sales offices with one HPE ProL1ant server deployed per Site to run local IT services. They want to centralize the monitoring ana lifecycle management of these servers using a cloud-based offering.



Which tool would demonstrate this functionality?

- A. HPE CloudPhysics
- B. HPE GreenLake Compute Ops Management
- C. HPE GreenLake Data Services Cloud Console
- D. HPE InoSight

**Answer:** D

**Explanation:**

According to HPE, HPE InfoSight is a cloud-based AI platform that delivers global visibility and insights into the health, performance, and capacity of your HPE storage and servers. It can also centralize the monitoring and lifecycle management of multiple HPE ProLiant servers deployed in remote sites using a single dashboard 1. With HPE InfoSight, you can demonstrate how to simplify and optimize your customer's IT operations from edge to cloud.

**NEW QUESTION 48**

A customer wants to create a 3TB boot partition on their HPE ProLiant DL360 Gen10 Plus server. What setting must be enabled to allow this configuration?

- A. Secure Boot
- B. unlimited Extensible Firmware Interface (UEFI) Boot Mode
- C. Legacy BIOS Boot Mode
- D. Virtualization-Maximum performance

**Answer:** B

**Explanation:**

Setting that must be enabled to allow a 3TB boot partition on their HPE ProLiant DL360 Gen10 Plus server is B. Unified Extensible Firmware Interface (UEFI) Boot Mode. This is because UEFI Boot Mode supports booting from disks larger than 2.2 TB by using the GUID Partition Table (GPT) format. GPT allows for partitions of up to 9.4 ZB (9.4 x 10<sup>21</sup> bytes) in size. 12

**NEW QUESTION 51**

A customer needs an open-source container orchestration system that supports cloud-native applications and provides support for containers with persistent storage at the same time.

Which platform should you recommend?

- A. Kubernetes
- B. openstack Neutron
- C. Hadoop
- D. Hortonworks Data Platform

**Answer:** A

**Explanation:**

Kubernetes is an open-source system for automating deployment, scaling, and management of containerized applications. It groups containers that make up an application into logical units for easy management and discovery. Kubernetes supports cloud-native applications that are designed to run on distributed and dynamic environments.

Kubernetes also supports containers with persistent storage by providing various options such as:

- Persistent Volumes: These are abstracted storage resources that can be provisioned by administrators and consumed by users without worrying about the underlying storage implementation.
- Persistent Volume Claims: These are requests for storage by users that can be dynamically or statically bound to Persistent Volumes.
- Storage Classes: These are ways to describe different kinds of storage offered by a cluster, such as SSD or HDD, performance or capacity, etc.
- Volume Snapshots: These are point-in-time copies of Persistent Volumes that can be used for backup or restoration purposes.
- Container Storage Interface: This is a standard interface that allows Kubernetes to communicate with various storage vendors and plugins.

**NEW QUESTION 53**

Review the exhibit.

c



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
F10 Save

#### NEW QUESTION 57

your customer needs to capture, store, manage, and analyze a dataset that exceeds capacity of typical database software tools. What storage technology should you propose to meet their needs?

- A. Block Storage
- B. Containers
- C. Big Data
- D. File Storage

**Answer:** C

#### Explanation:

According to Simplilearn, big data storage is a new technology that allows you to store large amounts of data that exceed the capacity of typical database software tools<sup>1</sup>. Big data storage can handle various types of data, such as structured, unstructured, or semi-structured data, and provide fast and scalable access to it<sup>1</sup>.

#### NEW QUESTION 58

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