

HP

Exam Questions HPE0-V25

HPE Hybrid Cloud Solutions



NEW QUESTION 1

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	Capacity of two drives	Answer Area
		RAID 1
		RAID 0
		RAID 5
		RAID 6

Zero overhead from capacity prospective

- 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.
- > 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.
- > RAID 5: This level has capacity of one drive as overhead, as it uses disk striping with parity to distribute 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.
- > RAID 6: This level has capacity of two drives as overhead, as it uses disk striping with double parity to 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.

NEW QUESTION 2

Match each HPE tool with its business value.

Tool	Business Value
HPE Product Bulletin	Accurately size and efficiently deliver world-class solutions on HPE GreenLake Lighthouse, which powers HPE GreenLake Cloud Services and HPE infrastructure.
HPE CloudPhysics	Aides with the purchase, sale, and support of HPE solutions by providing technical overviews and specifications.
Solution Sales Enablement Tool	Provides curated information about HPE strategy and solutions as well as sales, marketing, and technical information aligned to specific solutions.
HPE Seismic	Provides data-driven insights to improve IT performance, ROI, and data protection through analysis of IT metadata.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- > HPE Product Bulletin: Aides with the purchase, sale, and support of HPE solutions by providing technical overviews and specifications.
- > HPE CloudPhysics: Provides data-driven insights to improve IT performance, ROI, and data protection through analysis of IT metadata.
- > Solution Sales Enablement Tool: Provides curated information about HPE strategy and solutions as well as sales, marketing, and technical information aligned to specific solutions.
- > HPE Seismic: Accurately size and efficiently deliver world-class solutions on HPE GreenLake Lighthouse, which powers HPE GreenLake Cloud services and HPE infrastructure.
- > HPE CloudPhysics: <https://www.hpe.com/us/en/storage/cloudphysics.html>
- > Solution Sales Enablement Tool: <https://sset.ext.hpe.com/>
- > HPE Seismic: <https://www.hpe.com/us/en/newsroom/blog-post/2021/02/hpe-reimagines-customer-and-partner-e>

NEW QUESTION 3

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. TwoDL360 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 4

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 5

What does an SSD wear Gauge define?

- A. Remaining lifetime for the SSD drive
- B. Type of technology used within the SSD drive
- C. Type of interface used for the SSD drive
- D. Maximum speed of the SSD drive

Answer: A

Explanation:

According to HPE, SmartSSD Wear Gauge is a feature that provides an estimate of the remaining useful life of an SSD drive based on its usage patterns¹. It can help you monitor the health and performance of your SSD drives and plan for replacement or upgrade when needed¹.

NEW QUESTION 6

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 Memory². This means that it can support a database of 5 TB to run in memory.

NEW QUESTION 7

When designing new server environments, you need to determine the maximum equipment wattage andthermal requirements atthe unit (chassis) and rack level.
Which HPE tool should be used?

- A. HPE Infosight
- B. HPE Smart Storage Administrator
- C. HPE Power Advisor
- D. HPEOneView

Answer: C

Explanation:

This is a tool that helps you estimate power consumption and thermal output for HPE servers, storage, and networking products. You can use it to design new server environments or validate existing ones by selecting the products and configurations you want and generating a detailed report that shows the power and cooling requirements at the unit and rack level.

NEW QUESTION 8

Your customer has run out of storage ontheir Virtual environment. How does migrating to HPE GreenLakehelp this customer?

- A. by implementing a reserve level to ensure there is always storage available
- B. by enabling the customer to use an installed butter and only pay for what they use
- C. by automatically ordering more storage when capacity levels reach90%
- D. by allowing the customer to over-provision their storage

Answer: B

Explanation:

HPE GreenLake for storage is a storage-as-a-service solution that provides a cloud-like experience for on-premises storage. The solution offers:

- Workload-optimized data services for file, block, backup, and disaster recovery
- A cloud-based management console for simplified operations and provisioning
- A consumption-based model that aligns costs with usage
- A buffer capacity that is installed but not activated until needed
- A pay-per-use billing that only charges for the capacity used above the reserve level

By migrating to HPE GreenLake for storage, the customer can avoid running out of storage on their virtual environment by using the buffer capacity as needed and only paying for what they use. The customer can also benefit from the flexibility, scalability, and performance of the storage services offered by HPE GreenLake.

NEW QUESTION 9

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 arrays¹. 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 group¹.

NEW QUESTION 10

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 10

Your customer has a VMware vSphere cluster that needs to be upgraded to a SimpliVity Solution. you need to collect data to recommend the correct SimpliVity Sizing.
What tool will provide this Information?

- A. HPE Cloudphysics
- B. HPE Storage Sizing Tool
- C. HPE NinjaSTARS
- D. HPEdHCISizer

Answer: A

Explanation:

HPE Cloudphysics is a cloud-based assessment tool that helps customers plan and optimize their VMware vSphere environments. The tool can collect data from the customer's existing environment, such as configuration, performance, capacity, and utilization, and provide insights and recommendations for migrating to HPE SimpliVity. The tool can also compare the costs and benefits of different migration scenarios and generate a detailed report with a bill of materials.

NEW QUESTION 11

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.

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

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- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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NEW QUESTION 15

Your customer wants to receive emails When a hardware event occurs on their HPE proLiant Gen10 server. Click where you can find the iLO management interface to set this option.

iLO 5
2.65 Feb 23 2022

Information - iLO Overview

Overview | Security Dashboard | Session List | iLO Event Log | Integrated Management Log | Security Log

Active Health System Log | Diagnostics

Server

Product Name	ProLiant DL360 Gen10
Server Name	h5171.wswedunet.hpe.com
System ROM	U32 v2.62 (03/08/2022)
System ROM Date	03/08/2022
Redundant System ROM	U32 v2.50 (05/24/2021)
Server Serial Number	CZJ1410057
Product ID	867959-B21
UUID	39373638-3935-5A43-4A31-343130305337
Remote Console	HTML5 .NET Java Web Start

iLO

IP Address	15.194.45.181
Link-Local IPv6 Address	FE80:B67A:F1FF:ECF:1114
iLO Hostname	h5181.wswedunet.hpe.com
iLO Dedicated Network Port	Enabled
iLO Shared Network Port	Disabled
iLO Virtual NIC	Disabled
License Type	iLO Advanced
iLO Firmware Version	2.65 Feb 23 2022
iLO Date/Time	Fri Jul 22 11:24:21 2022

Status

Server Health	OK
Health LED	OK
iLO Health	OK
iLO Security	Risk
Server Power	OFF
UID Indicator	UID OFF
Trusted Platform Module	Not Present
microSD Flash Memory Card	Not Present
Connection to HPE	Not registered
AMS	Not available

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

To set the email notification option, you need to go to the “Administration” tab and select the “Management” option. Then you need to enter the email address and SMTP server information in the “AlertMail” section and enable the “AlertMail” feature. You can also specify which events you want to receive emails for by selecting the appropriate severity level.

NEW QUESTION 16

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

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 18

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 10²¹ bytes) in size.¹²

NEW QUESTION 23

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 28

Which license is needed in an HPE SimpliVity environment where automated disaster recovery capabilities are required?

- A. Veeam Backup & Replication
- B. VMware Site Recovery Manager
- C. HPE Peer Persistence
- D. HPE RapidDR

Answer: D

Explanation:

HPE RapidDR: This license is correct, as HPE RapidDR is a disaster recovery orchestration tool that automates the failover of a pre-configured set of virtual machines from a production site to a recovery site on HPE SimpliVity. It leverages the built-in backup and replication capabilities of HPE SimpliVity and simplifies the disaster recovery process.

HPE SimpliVity is a hyperconverged infrastructure solution that combines compute, storage, networking, and data services in a single platform. It provides high performance, efficiency, and resiliency for various workloads, including edge, VDI, and general virtualization¹.

NEW QUESTION 32

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 tools¹. Big data storage can handle various types of data, such as structured, unstructured, or semi-structured data, and provide fast and scalable access to it¹.

NEW QUESTION 37

Over the next two years, your customer plans to expand from 25 to 75 employees. They currently have limited space in the server rack and will need to purchase additional servers as the business grows.

Which server type should you recommend?

- A. Synergy12000
- B. ML 350
- C. DL360
- D. Apollo 4200

Answer: C

Explanation:

This is because the HPE ProLiant DL360 Gen10 server is a rack server that delivers security, agility and flexibility without compromise. It supports the Intel Xeon Scalable processor with up to a 60% performance gain and 27% increase in cores, along with 2933MT/s HPE DDR4 SmartMemory supporting up to 3.0 TB with an increase in performance of up to 82%.1

NEW QUESTION 38

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