

Exam Questions HPE0-V25

HPE Hybrid Cloud Solutions

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NEW QUESTION 1

your customer has a small once with five employees and needs a tower server tor 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

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 3

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 4

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 5

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

	Answer Area	
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 6

your customer wants to purchase a new HPE MSA controller enclosure fully populated With SSD fives. They have four existing expansion enclosures from their previous solution that they want to connect to the new controller.

Two expansion enclosures are fully populated with SFF disks, and the other two are populated with LFF drives.

which storage controller enclosure solution should you recommend?

- A. HPF MSA 1060 with Advanced Data Service (ADS) suite LTLJ
- B. HPE MSA 1060
- C. HPF MSA 2060 with Advanced Data service (ADS) suite LTU
- D. HPE MSA 2060

Answer: C

Explanation:

HPE MSA 2060 Storage solution supports a mixture of 3.5 inch LFF and 2.5 inch SFF expansion enclosures for a maximum of 9 enclosures (10 total including the array). This means that it can accommodate the four existing expansion enclosures from the previous solution that have different disk sizes.

The HPE MSA 2060 also delivers up to 395,000 IOPS, which is up to 80% faster than its prior generation¹. This would be beneficial for a customer who wants to fully populate the controller enclosure with SSD drives, which are faster than HDD drives.

The Advanced Data service (ADS) suite LTU is a license that enables features such as snapshot, replication, performance tiering, virtual disk groups, and thin provisioning on the HPE MSA 20602. These features can enhance the performance, availability, and efficiency of the storage system.

NEW QUESTION 7

Map the HPE platform and workload-oriented solutions with the customer's challenge.

Solution		Challenge
Containers solutions		Unify operations and management
Data Management and Analytics solutions		Provide stability to scale anywhere
Hybrid Cloud solutions		Improve user experience while managing costs
Transcoding & Visualization solutions		Accelerate time to value from insights
VDI solutions		Simplify acquisition and deployment of complex systems

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Containers solutions -> Simplify acquisition and deployment of complex systems1

Data Management and

Analytics solutions -> Accelerate time to value from insights2 management3

Hybrid Cloud solutions -> Unify operations and

Transcoding & Visualization solutions -> Provide stability to scale anywhereVDI solutions -> Improve user experience while managing costs

NEW QUESTION 8

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

I

Answer Area

RAID 1

RAID 1 ADM

RAID 5

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 9

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 10

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 monitoring¹. It can also perform end-to-end diagnostics while using predefined templates to reduce configuration errors¹

NEW QUESTION 10

When designing new server environments, you need to determine the maximum equipment wattage and thermal requirements at the 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 11

your customer is using HPE Infosight in their environment containing ProLiant and MSA systems.
 which product supports automatic case creation through InfoSight?

- A. ProLiant DL120 G7
- B. MSA 2062
- C. MSA2040
- D. proLiant DL560 Gen10

Answer: D

Explanation:

According to the HPE website, HPE InfoSight supports automatic case creation for HPE ProLiant servers that are connected to HPE InfoSight through HPE Integrated Lights-Out (iLO) Amplifier Pack¹. The ProLiant DL560 Gen10 is one of the supported servers that can benefit from this feature¹.

NEW QUESTION 13

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 workload¹².

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 workload1.
- 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 optimized1.
- 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 optimized1.
- 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 18

You are troubleshooting a server issue and need to reference a log file for hardware and configuration changes. When log file should you review?

- A. IML - Integrated Management Log
- B. ILO Event Log
- C. HPE OneView Activity Log
- D. AHS - Active Health system

Answer: D

Explanation:

Active Health System (AHS) is a feature that continuously monitors and records thousands of system parameters and diagnostic telemetry data on HPE ProLiant servers. The AHS log contains information such as hardware and configuration changes, health status, boot issues, and firmware updates. The AHS log can be used for troubleshooting and analysis by HPE support or by the user.

NEW QUESTION 21

Your customer has a large DL380Gen10andDL385 Gen10Plus server farm. They onlyhave a small staffmonitoring andmanaging these servers. You need to recommend a management service that Will allow them tofree up resources andautomatemanagement. What HPE management serviceshould they use?

- A. HPEGreenLake Compute Ops Manager
- B. HPECloudPhysics
- C. iLO5 Lifecycle Management
- D. HPE InfoSight

Answer: A

Explanation:

This is because HPE GreenLake Compute Ops Management is a cloud-based service that provides a unified and automated way to monitor, manage and update servers remotely through a web console. It can help customers free up resources and automate management tasks such as firmware updates, compliance checks, server health monitoring and troubleshooting. It can also support servers across different locations and platforms, whether on premises, at the edge or in the cloud.

NEW QUESTION 26

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 31

Your customer asks you to explain the benefits that the HPE GreenLakeconsumption model can provide. Match the GreenLake benefits to their outcomes.

Benefit	Outcome
Managed by HPE and HPE Partners	Provides customers with a simple point-and-click automated provisioning
Pay-per-use	Provides financial flexibility for customers, frees up capital, and provides better control costs
Scale up and down	Manages capacity ahead of demand and allows customers to easily add resources when they are needed
Self-service	Allows customer IT employees to be more productive within an organization

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- Managed by HPE and HPE Partners:Allows customer IT employees to be more productive within an organization
- Pay-per-use:Provides financial flexibility for customers, frees up capital, and provides better control costs
- Scale up and down:Manages capacity ahead of demand and allows customers to easily add resources when they are needed
- Self-service:Provides customers with a simple point-and-click automated provisioning
- https://www.hpe.com/psnow/doc/a00029675enw?jumpid=in_lit-psnow-red
- <https://www.techtarget.com/searchdatacenter/feature/What-is-HPE-GreenLake-and-how-does-it-work>
- <https://www.turn-keytechnologies.com/blog/article/how-hpe-greenlakes-consumption-model-is-transform>

NEW QUESTION 34

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 a grid of 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, a 'Recommended for You' section highlights 'HPE GreenLake for Aruba networking' with a 'Learn More' button. Below the featured applications, a 'Quick Actions' section includes 'Invite Users' (with a 'Send an Invite' button) and 'Assign User Access' (with an 'Assign Roles' button). On the far right, a 'Get the latest news about HPE GreenLake' section has 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.

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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](#)

Get the latest news about HPE GreenLake

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NEW QUESTION 37

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:FECE: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 AMS	Not registered
	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 42

your customer is looking for a reference architecture from HPE. Which tool can translate their requirements a validated configuration?

- A. one config Advanced (OCA)
B. solution sales Enablement TOOL (SSET)

- C. One Config Simple (OCS)
- D. HPE storage STaTS TOOL

Answer: B

Explanation:

Solution Sales Enablement Tool (SSET) is a tool that helps you design and validate HPE solutions based on reference architectures. The SSET can translate customer requirements into a validated configuration that meets their needs and budget. The SSET can also generate a bill of materials, a quote, and a proposal for the solution.

NEW QUESTION 46

Your customer has multiple, remote sales offices with one HPE ProLiant server deployed per Site to run local IT services. They want to centralize the monitoring and 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 InfoSight

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. With HPE InfoSight, you can demonstrate how to simplify and optimize your customer's IT operations from edge to cloud.

NEW QUESTION 51

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 virtualization.

NEW QUESTION 53

Review the exhibit.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

F10 Save

NEW QUESTION 55

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