

HPE0-V25 Dumps

HPE Hybrid Cloud Solutions

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NEW QUESTION 1

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 server¹. Fault-tolerant memory can help prevent data corruption and loss, which are critical issues for database servers¹.

NEW QUESTION 2

Your customer needs to consolidate data and add additional block-based storage to their man document management application. They have five standalone servers with 10Gb networking
Which storage technology should you recommend?

- A. Network File System
- B. Storage Area
- C. Direct Attached
- D. Network Attached Storage

Answer: B

Explanation:

According to IBM, a SAN is a dedicated network that provides access to consolidated, block-level data storage ¹. A SAN allows multiple servers to access shared pools of storage devices, such as disk arrays or tape libraries¹. A SAN can help your customer consolidate data and add additional block-based storage to their main document management application.

NEW QUESTION 3

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 4

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 5

your customer wants to purchase a new HPE MSA controller enclosure fully populated With SSD drives. 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 6

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 7

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 8

Your customer needs to accelerate the performance of their DL380 Gen10 servers running workloads on more active cores at higher clock frequencies. The customer wants to know if Core Boosting will help.

What advice should you provide?

- A. It is only supported on ProLiant DL Gen11 servers.
- B. It is a software solution and has performance limitations.
- C. It is only supported on certain Intel processors.
- D. It is an AMD technology so it is unavailable to them

Answer: C

Explanation:

Core Boosting technology uses a relaxed and optimized turbo profile that adapts the processor to specific use cases, configurations, and environments. Core Boosting processors take advantage of extra server power and thermal headroom provided by an innovative HPE voltage regulator design and by cooling technologies. Consequently, systems that have Core Boosting processors can alleviate common setbacks and maximize processor computing power.

However, Core Boosting option is only supported in ProLiant Gen10 servers with certain Intel processors¹.

The HPE ProLiant DL380 Gen10 server data sheet lists the supported processors for Core Boosting as:

- Intel Xeon Gold 6148 Processor (20 core, 2.4 GHz, 27.5 MB L3 cache)
- Intel Xeon Gold 6154 Processor (18 core, 3.0 GHz, 24.75 MB L3 cache)
- Intel Xeon Gold 6152 Processor (22 core, 2.1 GHz, 30.25 MB L3 cache)

➤ Intel Xeon Platinum 8168 Processor (24 core, 2.7 GHz, 33 MB L3 cache)

Therefore, if your customer's DL380 Gen10 servers are running workloads on more active cores at higher clock frequencies, they can benefit from Core Boosting technology if they have one of these supported Intel processors.

NEW QUESTION 9

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

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 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

A customer wants to set up a site-to-site replication using FibreChannel to a Site that is 10 Kilometers away. What cable must be used to achieve this?

- A. Single-mode fiber optic cable
- B. Flex fiber cable
- C. Multimode fiber optic cable
- D. Polymer optical fiber cable

Answer: A

Explanation:

- https://en.wikipedia.org/wiki/Fibre_Channel
- https://fibrenchannel.org/wp-content/uploads/2016/04/Fibre_Channel_Connectivity_White_Paper_04-06-1

This is because single-mode fiber optic cable has a small core diameter that allows only one mode of light to propagate. This reduces signal attenuation and enables longer transmission distances than multimode fiber optic cable, which has a larger core diameter that allows multiple modes of light to propagate. Single-mode fiber optic cable can support distances up to 40 kilometers for Fibre Channel applications.

NEW QUESTION 12

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 15

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 canbenefit from this feature1.

NEW QUESTION 19

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 21

You are troubleshooting a server issue and need to reference a log file tor 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 24

Match the correct scaling approach to each strategy

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- Scale-out: Add more servers to do the workload
- Scale-up: Add more resources (such as processors and memory) to existing servers
- Scale-out: Add an additional two-socket system to an existing VMware Cluster
- Scale-up: Add two additional processors to a four-socket system currently equipped with only two processors

This is because:

- Scale-out: This is a scaling approach that involves adding more servers or nodes to a system to increase its capacity and performance. It is also known as horizontal scaling. It can help distribute the workload across multiple servers and improve availability and fault tolerance.
- Scale-up: This is a scaling approach that involves adding more resources (such as processors, memory, storage or network) to an existing server or node to increase its capacity and performance. It is also known as vertical scaling. It can help improve the performance of a single server and reduce the complexity of managing multiple servers.

NEW QUESTION 29

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 32

An HPEProLiantDL380 Gen10 Plus serverhada power supply issue, and it failedto alert the customer and create a case WithHPE support. What additional step is required to activate this feature?

- A. Add the server to the existing ILO 5 Federation
- B. Applythe ILO 5 Advanced License
- C. Connect the server to an HPE Remote Support Host Server
- D. Enable the Remote Console within iLO 5

Answer: C

Explanation:

This is because HPE Remote Support is a service that provides proactive and reactive support for HPE servers, storage, and networking products. It enables automatic fault detection and diagnosis, remote troubleshooting, and case creation and management. To use this service, the server must be connected to an HPE

Remote Support Host Server, which is a server that runs the HPE Remote Support software and communicates with the HPE Support Center

NEW QUESTION 36

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 38

Your customer asks you to explain the benefits that the HPE GreenLake consumption 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 40

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 44

you are preparing a proposal to refresh your customers existing OL380 GE and G7 servers With newer generations. Before making a decision, your customer needs to know if a refresh is worth the cost.
Which option show the value of the purchase to your customer?

- A. Solution sales Enablement Tool

- B. selective Storage presentation
- C. TCO/ROI Calculator
- D. Smart CID

Answer: C

Explanation:

According to HPE, the TCO/ROI Calculator is a tool that helps you compare the total cost of ownership (TCO) and return on investment (ROI) of different server solutions¹. It can help you demonstrate how a server refresh can reduce costs, improve performance, and increase efficiency for your customer.

NEW QUESTION 49

Your customer needs help troubleshooting a Layer 3 network routing issue. Which command should you use?

- A. showLLDP neighbor-info
- B. traceroute
- C. show startup-config
- D. config-router

Answer: B

Explanation:

This is because the traceroute command is a network diagnostic tool that traces the route of packets across an IP network. It shows the path that packets take from the source device to the destination device and displays information such as the IP addresses of routers and switches along the path, the round-trip times of packets, and any packet loss or errors.¹

It can help troubleshoot a Layer 3 network routing issue by identifying where the packets are dropped or delayed.

NEW QUESTION 50

Your customer is looking for a reference architecture from HPE. Which tool can translate their requirements to 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 55

Your customer has standardized on the AMD platform and asks for a new HPE server. Which server should you recommend?

- A. DL365
- B. DL360
- C. DL385
- D. DL560

Answer: C

Explanation:

According to HPE, this server offers the 2nd generation AMD EPYC 7000 Series processor delivering up to 2X the performance of the prior generation¹. It also provides built-in security and flexibility for key applications such as virtualization, software-defined storage (SDS), and High-Performance Compute (HPC)¹.

NEW QUESTION 60

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 dashboard¹. With HPE InfoSight, you can demonstrate how to simplify and optimize your customer's IT operations from edge to cloud.

NEW QUESTION 61

You are explaining hardware health monitoring features of an HPE ProLiant DL380 Gen9 Plus server. You need to show how historical events can be viewed, including fan and power supply failures.

Where can this information be found?

- A. Integrated Management Log
- B. iLO Event
- C. HPE Data Ops Manager
- D. Data Services Cloud Console

Answer: A

Explanation:

Integrated Management Log (IML) is a feature that records hardware events such as fan and power supply failures on HPE ProLiant servers. The IML can be viewed through various methods, such as the iLO web interface, the iLO RESTful API, or the Smart Storage Administrator (SSA). The IML provides historical information about the server's hardware health and helps with troubleshooting and analysis.

NEW QUESTION 63

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 66

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