



HP

Exam Questions HPE0-V25

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

you need to explain how the HPE GreenLake platform can help your customers business become more agile. What information you provide? (Select two)

- A. customers can control costs Since advanced metering allows them to only pay for what is used.
- B. The HPE GreenLake platform is always managed by HPE, reducing the need for internal IT staff.
- C. HPE actively monitors, manages, and deploys capacity ahead of demand so the customer can scale With ease within an installed buffer
- D. HPE GreenLake provides infinite scale to the customer at no additional cost with its scale up policy.
- E. HPE GreenLake provides a larger hardware portfolio than traditional HPE hardware solutions

Answer: AC

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:

- Customers can control costs since advanced metering allows them to only pay for what is used: 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.
- HPE actively monitors, manages, and deploys capacity ahead of demand so the customer can scale with ease within an installed buffer: 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 3

Your customer needs to consolidate data and add additional block-based storage to their main 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 storage¹. 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 4

Which combination of HPE solutions can provide data validation on MSL3040 and LTO-9 cartridges?

- A. HPE Command View for Tape Libraries and HPE TapeAssure Advanced
- B. Library and Tape Tools and HPE StoreEver TapeAssure Advanced Software
- C. HPE Command View for Tape Libraries and HPE StoreEver Data Verification
- D. HPE Command View for Tape Libraries and Library and Tape Tools

Answer: B

Explanation:

Library and Tape Tools and HPE StoreEver TapeAssure Advanced Software: This combination is correct, as Library and Tape Tools (L&TT) is a diagnostic tool that allows you to perform firmware upgrades, run tests, and verify data on tape devices. HPE StoreEver TapeAssure Advanced Software is a software that provides data integrity, performance, health, and utilization reports for tape drives and cartridges, and it works with L&TT to perform data verification².

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

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 7

Your customer wants to purchase a new HPE MSA controller enclosure fully populated with SSDs. 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 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

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 13

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

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 20

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 andautomatemangement.

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 21

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 24

Your customer wants a new server tor 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 28

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 29

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 30

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 33

your customer has standardized on the AMD platform and asks for a new I J 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 35

your customer wants to update the firmware for multiple HPE proLiant MicroServer Gen10 Plus servers. Which tool must be used?

- A. HPE Composer
- B. HPE Data Services Cloud console
- C. HPE iLO 5
- D. HPE GreenLake central

Answer: C

Explanation:

According to HPE, iLO 5 is a remote management solution that enables you to configure, monitor, and update your HPE servers seamlessly from anywhere in the world¹. It also provides firmware update capabilities for HPE ProLiant MicroServer Gen10 Plus servers². With iLO 5, you can demonstrate how to update the firmware for multiple servers easily and securely.

NEW QUESTION 39

It also has a small footprint and can fit in a limited space.

A customer who is new to HPE wants to refresh the hardware infrastructure for their VMware environment. Before meeting the customer, you need to perform an assessment to get a better of their environment

Which HPE tool should you use?

- A. OneView
- B. CloudPhysics
- C. GreenLake QuiCk Quote
- D. InfoSight

Answer: B

Explanation:

CloudPhysics is a tool that provides a comprehensive assessment of VMware environments and helps identify opportunities for optimization and modernization. CloudPhysics can also generate a ready-to-order bill of materials for HPE solutions based on the customer's workload requirements.

The other options do not seem to be suitable for performing an assessment of a VMware environment. OneView is a tool for managing HPE servers, storage, and network². GreenLake Quick Quote is a tool for creating quotes for HPE GreenLake services³. InfoSight is a tool for monitoring and managing HPE storage systems.

NEW QUESTION 42

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