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 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
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 tor what is used.
B. The HPE GreenLake platform is always managed by HPE, reducing the need for internal IT staff.
C. HPE active-ty 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. HPF GreenLake provides a larger hardware portf01i0 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 4
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 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
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
An RFP states that the database server requires two processors out must De available to scale tofour inside a 2Uchassis.
Whichserver 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 8
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 9
your customer runs a small datacenter ana 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 to accelerate the performance Of theirDL380 Gen10 servers running workloads on more active cores athigher Clockfrequencies. The customer wants to know if Core Boosting willhelp.
What advice Should you provide?

A. It is only supportedon ProLiantDL Gen11servers.
B. It is a software solution andhas 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 she2et 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 10
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.)

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 11
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 14
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 17
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 20
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 24
Match the correct scaling approach to each strategy

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

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
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 33
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
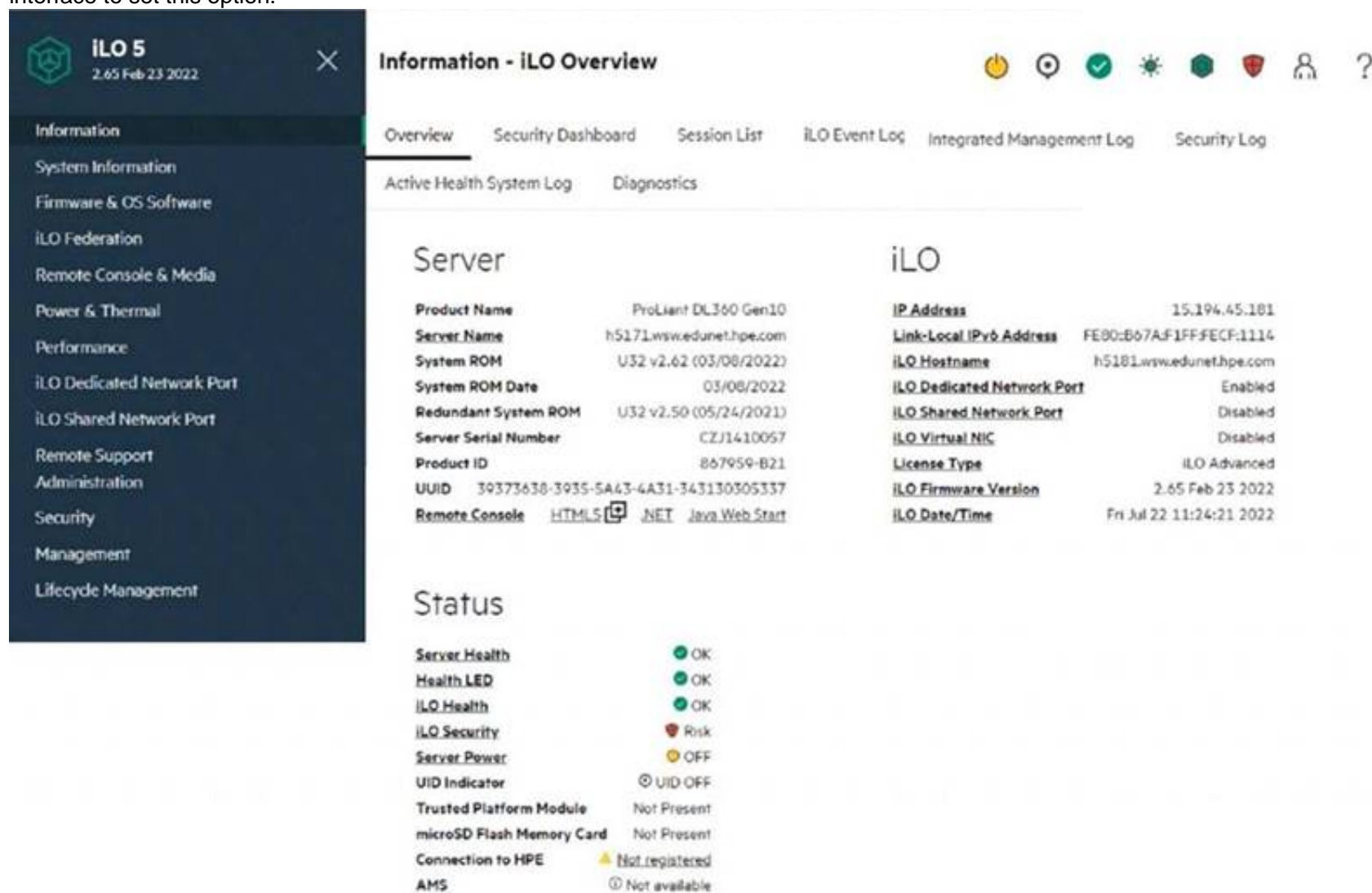
Answer: B

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 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.

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
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 ProductBlletin

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 46
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 TOOI (SSET)
C. One Config Simple (OCS)
D. HPE storage STaTS TOOI

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 48
your customer has standardized on the AMD platform and asks tor a new I IJ 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 50
Review the Exhibit:

Match the definition to each colored boxed acronym from the image.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

p: Class of Raid Controller 4: Number of SAS lanes 16: Smart Array Series
ie: Port Type
m: Controller Type (form factor)
HPE Smart Array P416ie-m SR Gen10 Controller is a flexible Smart Array controller that provides enterprise-class storage performance, increased internal scalability with SAS Expander Card, and data protection for HPE Synergy Compute Modules. The controller has these features:

≫ p: The P stands for Performance class, which indicates that the controller has high performance and reliability for demanding workloads.

≫ 4: The 4 indicates that the controller has four SAS lanes per port, which means that it can support up to four SAS devices per port.

≫ 16: The 16 indicates that the controller belongs to the 16th generation of Smart Array controllers, which offer enhanced security, performance, and manageability.

≫ ie: The ie stands for internal/external, which means that the controller has both internal and external ports. The internal ports connect to the drives inside the compute module, while the external ports connect to the SAS Expander Card or external storage devices.

≫ m: The m stands for mezzanine, which means that the controller is a mezzanine card that plugs into a dedicated slot on the compute module.

NEW QUESTION 51
A customerwants to create a 3TBboot partition on their HPE Pt0Ljant DL360 Gen10Plus server. What setting must De enabled to allow this configuration?

A. Secure Boot
B. unlimitedExtensible Firmware Interface (UEFI) Boot Mode
C. Legacy BIOS Boot Mode
D. Virtuaulization-Maxjmum pertormance

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 10^21 bytes) in size.12

NEW QUESTION 52
You are explaining hardware health monitoring features Of an HPE ProLiant DL380 Geno Plus server. you need to snow 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 56
Review the exhibit.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
F10 Save

NEW QUESTION 59
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 60
Over the next two years, your customer Plans to expand from 25 to 75 employees. They currentlyhave limited space in theserver 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 63
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 networkin2g. 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 64
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