

HP0-S43.exam

Number: HP0-S43
Passing Score: 800
Time Limit: 120 min



HP0-S43

Delta- Architecting HP Server Solutions

Exam A**QUESTION 1**

A customer needs to reduce their datacenter cooling expenses. They are considering options for air-cooled solutions with the potential to reduce cooling costs. Which standards should you recommend the customer consider when purchasing new equipment?

- A. IEEE 3000
- B. EN 298
- C. ASHRAE
- D. ISO 9000

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 2

A customer needs to take advantage of advanced scripting and troubleshooting on the HP ProLiant DL380 Gen9 servers. They also need to manage their Smart Array controllers and SAS HBAs within the pool of servers. Which feature of your proposed design meets the customer's needs?

- A. HP iLO
- B. HP OneView
- C. HP Smart Storage Administrator
- D. HP Array Configuration Utility

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 3

A customer needs a highly scalable solution that may grow to 10,000+ HP ProLiant Gen9 rack servers as the demand for their service grows. Which feature, that will reduce complexity and time taken to manage servers at this scale, should you demonstrate to the customer?

- A. Intelligent Provisioning OS deployment
- B. Virtual Connect Enterprise Manager

- C. Onboard Administrator
- D. iLO Federation

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4

What are the benefits of implementing bladed architecture instead of traditional rack mount servers? (Select two.)

- A. shared memory architecture
- B. higher compute density
- C. more predictable MTBF
- D. lower initial capital cost
- E. shared power and cooling

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5

Which categories does HP use to organize the components of the ProLiant Gen9 server management portfolio?

- A. On-System, On-Premise, On-Cloud
- B. Simple, Reliable, Proactive
- C. On-Appliance, On-Site, On-Web
- D. Agile, Automated, Accelerated

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6

A customer needs to encrypt local drives on their HP ProLiant Gen8 and Gen9 servers. The customer needs to manage the encryption centrally. Which HP products and features should you recommend to meet the customer's needs?

- A. HP Smart Array Px1x and Px2x family of controllers, the Trusted Platform Module, and iLO Advanced
- B. HP Smart Array x3x and Px4x family of controllers, the Trusted Platform Module, and iLO Select
- C. HP Smart Array Px1x and Px2x family of controllers, the HP Enterprise Secure Key Manager, and iLO Select
- D. HP Smart Array 3x and Px4x family of controllers, the HP Enterprise Secure Key Manager, and iLO Advanced

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 7

A company needs to provide its employees with remote access through a hosted desktop infrastructure based solution. Which HP server line should you recommend for this customer?

- A. ProLiant ML
- B. BladeSystem
- C. Moonshot
- D. ProLiant DL

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 8

What should you do to achieve a fault-tolerant HP OneView virtual appliance installation?

- A. Deploy the HP OneView Appliance to an HA enabled hypervisor cluster.
- B. Ensure the HP OneView Appliance is deployed on servers that support RAID implementations.
- C. Clone the HP OneView Appliance and deploy to an HP Service Guard Cluster.
- D. Issue an http PUT to/rest/appliance/backup using the appliance REST API.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 9

A customer has exceeded the current capability of their Hadoop application, which was running on DL380e Gen8 servers. You need to recommend a server that will run a new Hadoop application with dense storage capability. Which HP ProLiant Gen9 server should you recommend?

- A. DL160
- B. DL180
- C. BL460
- D. BL660

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 10

Which statement describes what Datacenter Care services provide?

- A. a mix of enhanced call management, proactive services, and hardware/software assistance
- B. collaborative call management assistance only for x86 solutions
- C. advanced power management monitoring and support
- D. IT professionals with high quality technical education services

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 11

A customer needs to configure UEFI BIOS settings on several ProLiant Gen9 servers. Which HP utility should the customer use to most efficiently

perform this task?

- A. HP RESTful Interface Tool
- B. HP Scripting Toolkit
- C. HP Smart Update Manager
- D. HP Insight Control

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 12

Which features of HP Smart Array Controllers can be configured by Smart Storage Administrator? (Select two.)

- A. Auto Raid 5
- B. Secure Encryption
- C. HBA Mode
- D. SSD Over Provisioning Optimization
- E. Auto Assign Global Spare

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 13

You are designing a VMWare ESX based virtualization solution that runs on ProLiant Gen9 servers. Which design parameters should you take into consideration as part of your solution? (Select two.)

- A. Configured memory for the guest OS
- B. NVDIMMs configured as caching modules for the host OS installation
- C. Fibre Channel dedicated network for Vmotion
- D. 35 percent additional hardware resources for host server overhead
- E. Guest OS's are 32bit or 64bit

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 14

A customer is concerned about buying counterfeit memory for the HP ProLiant Gen9 servers in its data center. Which HP innovation should you explain to the customer?

- A. SmartCache
- B. SmartMemory
- C. LRDIMM
- D. DDR4 UDIMMs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 15

Which HP support service is provided by Foundation Care?

- A. HP option installation services
- B. account support professional
- C. HP technician onsite within two hours
- D. hardware and software support

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

HP Foundation Care Services

Support for HP servers, storage and networking hardware and software

References:

QUESTION 16

An enterprise customer needs to implement a rack-mounted server solution for compute-intensive applications. On which HP server platform should you design your solution?

- A. DL360e Gen8
- B. DL380 Gen9
- C. DL160 Gen9
- D. BL460 Gen9

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 17

You have positioned a BladeSystem c7000 solution with Virtual Connect Flex-10/10D modules. The customer needs to understand how the Flex-10/10D modules will provide an FCoE path to their SAN. Which HP technology should you explain to the customer?

- A. Intelligent Resilient Framework
- B. FlexibleLOMs
- C. FIP snooping
- D. RDMA over Converged Ethernet

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 18

You are designing a Microsoft Hyper-V based virtualization solution that runs on ProLiant Gen9 servers. Which design parameter should you take into consideration as part of your solution?

- A. 2Gbps - 4Gbps minimum bandwidth for the Hyper-V management network
- B. NVDIMMs configured as caching modules for the host OS installation
- C. additional hardware resources for Hyper-V overhead
- D. FCoE dedicated network for Hyper-V live migration

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 19

Which HP Gen9 server family supports the H240ar Smart HBA?

- A. Apollo
- B. blade servers
- C. Moonshot
- D. rack and tower servers

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

H240ar on select HP ProLiant Gen9 rack and tower servers

References:

QUESTION 20

You are designing a Hyper-V virtualized BladeSystem solution with direct attached storage and Microsoft System Center Server. Which benefits will HP OneView bring to your proposal? (Select three.)

- A. Operating system compliance management
- B. Automated CPU flexing
- C. HP Virtual Connect fabric visualization
- D. Server software and firmware updates
- E. Health monitoring for ProLiant Gen9 servers
- F. Automated HP StoreOnce provisioning

Correct Answer: CDF

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 21

A customer needs to manage and maintain the operation of a large hyperscale cluster of SL based servers. The customer needs to run a set of operating system commands and execute them from within the operating system on all of the SL servers. Which method should the customer use?

- A. Use HP SUM CLI online from within the SL operating system and execute the commands by using multicast.
- B. Boot HP SUM on one SL node and use iLO federation to execute the commands on all of the servers.
- C. Create a script and use the RESTful Interface Tool to execute the commands on all of the servers.
- D. Execute the commands from the Cluster Management Utility on all of the servers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 22

A customer's SSD drive in their HP ProLiant Gen9 server, which is hosting their VDI environment, has failed. The customer needs to predict similar unanticipated failures in the future and determine the expected lifetime of the remaining SSD drives in the array. Which tool should you recommend to the customer?

- A. Array Diagnostics Report
- B. Option ROM Configuration for Arrays
- C. Smart Storage Administrator
- D. Array Configuration utility

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 23

Which feature of the Apollo 8000 can help a customer meet their energy efficiency goals?

- A. Thermal Discovery Services to reduce energy usage and increase compute capacity
- B. Active Cool 100 fans that reduce power and maximize air movement

- C. Water cooled system that enables energy recycling
- D. Intelligent Power Discovery Services to track power usage and record configurations

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 24

A customer needs to improve VM host efficiency and lower network latency in their HP ProLiant DL380 Gen9 servers Which unique technology built-in to the HP FlexFabric 556 network adapter will meet the customer's requirement?

- A. TCP/IP Offload Engine (TOE)
- B. IPv6 protocol support
- C. 10Gb Ethernet support
- D. RDMA over Converged Ethernet (ROCE)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 25

A customer needs the health status of their HP ProLiant Gen8 BladeSystem servers to be reported to HP to allow automatic hardware warranty replacement. The customer does not plan to install additional software and does not have IT staff to support an additional solution. Which HP solution should they implement?

- A. Insight Online with Insight Remote Support
- B. Insight Online direct connect
- C. Insight Remote Support through the Insight Online portal
- D. Insight Remote Support central connect

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 26

A customer is installing a new read intensive database application on an HP ProLiant Gen9 server. The customer needs to increase performance for this application. Which configuration change should you recommend that the customer make?

- A. install an SAS expander
- B. install SmartCache
- C. install larger capacity disk drives
- D. install a B140i controller

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 27

A customer needs to expand their small data center and upgrade their rack-mounted servers for general-purpose computing. They need to keep the server footprint as small as possible and allow for capacity to expand I/O connectivity. The customer runs CRM and SAP applications. Which HP ProLiant server should you recommend?

- A. DL380 Gen9
- B. ML350 Gen9
- C. DL160 Gen9
- D. DL360e Gen8

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 28

What is an appropriate procedure to deploy HP OneView?

- A. Deploy a Hardware Virtual Machine (HVM) package to a XenServer host
- B. Install an HP OneView application and plug in components to a Linux server.

- C. Deploy an Open Virtual Appliance (OVA) package to a vSphere hypervisor.
- D. Install an HP OneView application and plug in components to a Windows 2012 R2 server.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 29

A security company is upgrading its video surveillance cameras to high definition. This upgrade will increase the storage needs of its backend servers beyond what is supported by the existing hardware. Some data processing will be performed on the video. You need to propose a cost effective hardware solution that is a highly efficient, converged design that delivers the appropriate combination of capacity and performance, using the least amount of space. Which solution should you demonstrate to the customer?

- A. Moonshot with 300 cartridges with HP StoreVirtual
- B. DL380 Gen9 servers with a 3par 7400 storage array
- C. SL4540 Gen8 3x15 model
- D. C7000 BladeSystem with BL460c Gen9 blades and Storage Blades

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 30

A customer is writing an application designed to run on ultra-low energy processors. They need an environment to test the application at scale. Which server family meets the customers needs?

- A. Tower Servers
- B. Rack Servers
- C. Moonshot
- D. Micro Servers

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 31

You have designed a server solution for a customer that includes ProLiant BL460c Gen9 server blades with Smart Array P244br storage. The customer needs to be able to configure, manage, and troubleshoot the locally attached storage in this solution. Which HP tool should you recommend for this customer?

- A. HP Insight Remote Support
- B. HP Smart Storage Administrator
- C. HP iLO
- D. HP Array Configuration Utility

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 32

Which aspects should you consider when sizing the number of VMs needed per host? (Select two.)

- A. latency
- B. memory per VM
- C. IO per VM
- D. licensing per VM
- E. space consumed in the data center

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 33

Which architectural features of HP OneView can decrease the time to resolution when issues arise, and eliminate the manual burden of data gathering from IT staff? (Select two.)

- A. HTML5 based UI, which provides a clean and intuitive interface to quickly find the information on the resources related to the issue.
- B. Alerts and Activity panes on the OneView dashboard, which provide instant visual indication of issues in the environment.
- C. Individual resource managers, which provide resource information isolation to quickly narrow down the source of the issue.
- D. Open REST API, which provides an interface to gather relevant information to assist in the troubleshooting process.
- E. State Change Message Bus (SCMB), which provides an interface to automate the immediate collection of information on the issue.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 34

Which industry standard hypervisors does HP OneView support? (Select two.)

- A. Microsoft Hyper-V
- B. Oracle Virtual Machine (OVM)
- C. Citrix XENServer
- D. VMWare ESX
- E. Integrity Virtual Machine

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 35

A customer plans to install HP OneView as a primary management application for their BladeSystem infrastructure. The customer is concerned about the ability to assign different levels of permissions to IT administrators. Which feature of HP OneView should you explain to the customer?

- A. SAN Managers
- B. HP Public Key
- C. Role-based access
- D. Activity log

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:**

Explanation:

QUESTION 36

A needs analysis reveals that a customer requires a remote desktop solution that has the ability to scale with maximum density and flexibility. It also must have the lowest power consumption per unit of processing power and per unit of space occupied. Stage 1 of this project is for 500 hosted desktops that need to run Windows 7 Enterprise with SP1 (x64). Which HP solution should you recommend to the customer for Stage 1?

- A. sixteen ProLiant DL380 Gen8 servers with 2 GPUs and Microsoft Hyper-V
- B. four Apollo 6000 with xl230A Gen9 servers and RedHat KVM
- C. three Moonshot chassis with M700 cartridges and Citrix Xen
- D. eight C7000 BladeSystem with BL460c Gen9 servers and VMware View

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:**

Explanation:

QUESTION 37

You are describing technology advances in ProLiant Gen9 power supplies to a customer. Which key message should you communicate about ProLiant Gen9 power supplies when comparing them to Gen8 power supplies?

- A. They map power to the server to information discovery services.
- B. They provide more power in a smaller device.
- C. They are backwards compatible.
- D. They use C19 connectors.

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:**

Explanation:

QUESTION 38

You are describing Smart Array controllers for ProLiant Gen9 servers to a customer. The customer asks about data recovery of a failed large capacity disk drive. Which feature of the controllers should you describe to the customer?

- A. Rapid Rebuild
- B. Secure Encryption
- C. SmartMemory
- D. Advanced Data Mirroring

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

QUESTION 39

Which HP High Performance Computing technology incorporates a water-cooling design?

- A. BladeSystem
- B. ProLiant
- C. Apollo 8000
- D. Moonshot

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

Apollo 8000 features a patented, novel warm water cooling system

References:

QUESTION 40

A small business customer is expanding their data center. The customer needs a rack server solution that provides dense storage, good performance, virtualization capability, and easy expansion. Which HP ProLiant server should you recommend to meet the customer's needs?

- A. DL380p Gen8
- B. DL180 Gen9
- C. DL380 Gen9
- D. DL580 Gen8

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference: