HP0-S42 Test-king

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HP0-S42

Architecting HP Server Solutions

Version 4.0

Exam A

QUESTION 1
A customer needs to meet data privacy compliance regulations. Which IP Proliant features should you discuss with the customer? (Select two.)

A. Advanced Memory Protection
B. Advanced Data Mirroring
C. Secure Shell
D. Secure Encryption
E. Trusted Platform Module

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
Which standards can be implemented in a data center to help reduce carbon foot print?

A. ISO 9001
B. ASHRAE Level 3
C. IEEE 802.11
D. OSHA 3075

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
A customer needs to maximize the density capability while reducing the cooling requirement of their data center. Which IP solution will meet the customer's needs and extend the life of their data center?

A. HP Active Cool Fans
B. HP Modular Cooling System G2
C. HP Datacenter Smart Grid

D. HP Intelligent Power Discovery

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Which component of the iLO Management Engine monitors and records changes in server hardware?

A. Embedded Remote Support
B. Active Health System
C. Agentless Management
D. Intelligent Provisioning

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:

http://h20565.www2.hp.com/hpsc/doc/public/display?docId=emr_na-c03236853

QUESTION 5
When designing a new HP OneView installation for a customer, how many logical interconnect groups must be configured for an enclosure groiup?

A. 1
B. 4
C. 2
D. 0

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:

http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-0351ENW.pdf

QUESTION 6
You are designing an HP ProLiant BladeSystem with Virtual Connect FlexFabric and HP 3PAR StoreServ 3400c. The customer is concerned about the added complexity of including SAN switches and the additional SAN management overhead. Which HP technology should you recommend?

A. HP B-Series SAN Network Advisor
B. HP FlexFabric 20Gb 2-port 650 Adapter
C. Virtual Connect Flat SAN
D. HP FlexFabric 5930 Switch Series

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
You are designing an HP ProLiant BladeSystem and HP StoreVirtual storage solution for a customer, and you need to estimate the power requirements. Which IP tool should you use?

A. Power Discovery Services
B. Power Calculator Utility
C. Insight Management Sizer
D. HP Power Advisor

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8
What are benefits of the RESTful Interface Tool for enabling the new style of IT? (Select three.)

A. reduced deployment complexity
B. lower facilities costs
C. simplified scripting

D. reduced issue resolution time

E. easy customization

F. increased high availability

Correct Answer: ACE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
A customer is concerned about the security of their data center. The exciting card entry system has proven to be inadequate. Which solution should you recommend to increase the security level for self-access to the data center?

A. complex passwords

B. fingerprint scanners

C. Access Control List

D. 256 AES encryption

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
You are describing Smart Array controllers for ProLiant Gen9 server 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. Secure Encryption

B. SmartMemory

C. Rapid Rebuild

D. Advanced Data Mirroring

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
Which protocol is supported by FlexFabric 556 and 650 series adapters that enables customers to decrease network latency with minimal impact to server performance?

A. RoCE
B. FCIP
C. PCoIP
D. TCP/IP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reefernce:

http://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-4774ENN.pdf?ver=2.0

QUESTION 12
What are the power requirements for an HP Apollo 8000 system?

A. three-phase high voltage AC power input
B. DC power input
C. three-stage power rectification
D. single-phase high voltage AC power input

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference:

http://www.hp.com/hpinfo/newsroom/press_kits/2014/ComputeEra/HP_Apollo8000System_Dat aSheet.pdf

QUESTION 13
What is a key benefit of an HP Converged Infrastructure solution?

A. improves the performance of overlay networks
B. unifies management tools, policies, and processes
C. increases IOPs on storage devices
D. encourages development of RESTful applications

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:

ftp://ftp.hp.com/pub/c-products/solutions/Converged-Infrastructure-Overview-White-Paper- 4AA0-4829ENW.lowres.pdf

QUESTION 14
You have designed a virtualized solution based on HP BladeSystems and VMware Hypervisor that includes one D2220sb storage device in each of eight c7000 enclosures. You need to present highly available shared storage over ISCSI to the application running on the BladeSystems.
Which additional product must be implemented?

A. HP Cluster Extension Software
B. HP StoreEasy 3840 Gateway Storage Blade
C. HP StoreVirtual VSA
D. HP MSA 2040 Storage

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
The customer upgraded their network core using an HP Intelligent Resilient Framework (IRF) stack. The customer needs Windows 2008 Infrastructure, which is running on HP ProLiant DL380 Gen9 servers, to have network resilience. Which HP feature should you recommend to the customer?

A. HP NIC Teaming
B. HP FlexFabric
C. HP LOM
D. HP FlexNetwork

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
A customer's data center consists of 120 HP ProLiant BL460c Gen9 blade servers, mounted in c7000 enclosures and they are adding 10 new servers a month to their environment. They are having difficulty keeping their environment current with new firmware updates. Which process should you recommend that will allow a single point of contact for deploying the updates to all servers in the environment?

A. Create a MSI distribute package to deploy the latest SPP bundle via the UEFI Embedded shell
B. Use Insight Control server provisioning (ICsp) to deploy the latest SPP bundle
C. Create a Converged Infrastructure group in HP OneView to deploy the latest SPP bundle
D. Mount the HP SUM DVD in each of the enclosure DVD drives and use the Onboard Administrator CLI to deploy the latest SPP bundle

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:

http://h10032.www1.hp.com/ctg/Manual/c03360603

QUESTION 17
A customer has a Microsoft SQL environment that is recourse intensive. The SQL databases reside on SMB3.0 file shares on a separate pool of servers. The customer needs to improve IO performance and ensure that network latency is kept to a minimum while not affecting CPU use. Which technology should you recommend?

A. Remote Dynamic Memory Access (RDMA) over Converged Ethernet (RoCE)
B. FlexibleLOM sockets with 10Gb uplinks
C. Virtual Extensible LAN (VXLAN) over layer 2 networks
D. TCP Offload HBA over 10 Gb ISCSI

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
A customer is concerned about malware attacks to their legacy pre-boot BIOS environment. You need to ensure only trusted platform firmware and operating system boot loaders are used when the server starts up. When designing the server configuration build, which feature should you enable?

A. Compatibility Support Module
B. HP Secure Encryption
C. UEFI Secure Boot
D. HP Enterprise Secure Key Manager

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
A customer needs parallel data processing scalability for their custom financial analysis application. Which solution best meets the customer's needs?

A. a collection of tower servers
B. high-performance technical cluster
C. a rack of 1U servers
D. a collection of blade servers

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
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. RDMA over Converged Ethernet
B. FIP snooping
C. Intelligent Resilient Framework

D. FlexibleLOMs

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
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 they implement?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
What is purpose of conducting a customer site survey?

A. Identify the types of servers that will be included in the solution.
B. Identify the customer's business goals for the solution.
C. Determine the different workloads the customer is running.
D. Assess the facility and its suitability for the proposed solution.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
A customer needs to manage the relationship between their physical and virtual infrastructure. Which HP feature should you recommend to integrate with customer's current vSphere Web Client managed environment?

A. HP Insight Control
B. HP Virtual Connect Enterprise Manager
C. HP Virtual Machine Manager
D. HP OneView for vCenter

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
You are describing the HP Smart Array controllers for ProLiant Gen9servers to your customer. The customer asks how the controllers are managed. Which HP tool should you discuss with the customer?

A. HP Insight Online
B. HP Onboard Administrator
C. HP Smart Storage Administrator
D. HP Array Configuration Utility

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
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 Px3x and Px4x family of controllers, the HP Enterprise Secure Key Manager, and iLO Advanced
C. HP Smart Array Px1x and Px2x family of controllers, the HP Enterprise Secure Key Manager, and iLO Select
D. HP Smart Array Px3x and Px4x family of controllers, the Trusted Platform Module, and iLO Select

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Reference:
http://www8.hp.com/h20195/v2/getpdf.aspx/c04318075.pdf?ver=2

QUESTION 27
A customer has exceeded the current capability of their Hadoop application, which was running on DL380e Gen8 servers. You need the recommend a server that will run a new Hadoop application with dense storage capability. Which HP ProLiant Gen9 server should you recommended?

A. BL460
B. DL180
C. DL160
D. DL660

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
A customer plans to install HP OneView as a primary management application for their BladeSystem infrastructure. The customer is concerned about the ability to centrally manage login credentials to the application. Which integration features of HP OneView should you explain to customer?

A. Kerberos
B. Active Directory
C. Radius
D. OpenLDAP
E. TACACS+

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
Which industry standard hypervisors does HP OneView support? (Select two.)

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

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
A customer has been adding processors, systems with larger memory, I/O accelerators, and SmartCache. Which key HP design principle is this customer implementing?

A. software defined management
B. server virtualization
C. converged infrastructure

D. workload optimization

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
Which task should you complete when conducting a needs analysis?

A. conduct a site survey
B. design the hardware solution
C. identify key decision makers
D. identify the customer's business goals

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
A customer needs to manage their contract, warranty, and HP Care Pack information for their server and storage infrastructure from a single location. In addition, they need proactive expiration notifications for these contracts. Which HP software or tool should you recommend?

A. HP Insight Online
B. HP System Management Homepage
C. HP Helion Community Edition
D. HP STaTS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33

Which statement describes what Datacenter Care services provide?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference:
http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA4-5127ENW.pdf

QUESTION 34
Which market trend is driving the growth of Virtual Desktop infrastructure?

A. converged networks
B. social engineering
C. workforce mobility
D. cloud computing

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
You are performing a needs analysis for a customer who plans to transition from rack mount servers to blade servers. The customer has asked for an on-premise management strategy and needs to use Virtual Connect as the network interconnect to take advantage of network virtualization. The customer needs a RESTful API to be made available. Which product should you demonstrate to support and manage the proposed HP BladeSystem solution?

A. HP OneView
B. HP Systems Insight Manager
C. HP Virtual Connect Manager
D. HP Virtual Connect Enterprise Manager

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
You are designing a solution that will consist of eight HP BladeSystem c7000 enclosures with Virtual Connect FlexFabric. The customer needs to ensure that all management is performed from a single user interface that will allow them to maintain and manage all uplink configurations centrally. How can you demonstrate management of uplinks on all enclosures from a single console?

A. Deploy and use Virtual Connect Enterprise Manager.
B. Deploy and use both HP OneView and Virtual Connect Enterprise Manager.
C. Configure and use Virtual Connect Manager.
D. Deploy and use HP OneView.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 37
An automotive manufacturing company needs an Apollo 8000 solution that is environmentally friendly. Which feature should you recommend to this customer?

A. Thermal Logic technology to minimize power consumption and reduce cooling
B. Active cool 200 fans that reduce power and maximize air movement
C. Water cooled system that reduces CO_2 emissions relative to an air cooled system
D. 3D Sea of Sensors to provide visibility and control over energy consumption

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
Which service solution should you recommend to handle equipment that runs business critical IT applications with designated managers?

A. Proactive Care
B. Datacenter Care
C. Foundation Care
D. Proactive Care Advanced

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39
One of your customer's remote transaction servers generates an SNMP health alert. Which HP management tool should you use to access more information about the alert?

A. Insight Online
B. Intelligent Provisioning
C. Smart Update Manager
D. Smart Storage Administrator

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
You are using HP Power Advisor to assist in architecting an HP BladeSystem solution that contains HP Flexfabric interconnect modules. What information about the solution can the tool provide? (Select two.)

A. SFP + module power requirements
B. UPS sizing based on defined run times
C. power report for system
D. a cost-of-ownership calculation
E. mismatch between interconnect modules and network adapter

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
A customer has a single array group with three SAS disk drivers in a RAID 5 configuration. Which method should the customer use, with the least risk, to protect their data volume in case of a drive failure?

A. configure RAID 1 ADM
B. add more drives to the RAID 5 group
C. configure a hot spare
D. migrate the RAID 5 array group to RAID 6

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference: