HP

HPE0-S37 Exam

HP Building HPE Server Solutions Exam

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Version: 12.0

Question: 1

Which methods can an administrator implement to provide higher security within a management network? (Select two.)

A. SNMPv3
B. community strings
C. NTP
D. isolated VLAN
E. port mirroring

Answer: A

Explanation:
A: Simple Network Management Protocol (SNMP) is an Internet-standard protocol for collecting and organizing information about managed devices on IP networks and for modifying that information to change device behavior.
Three significant versions of SNMP have been developed and deployed. SNMPv1 is the original version of the protocol. More recent versions, SNMPv2c and SNMPv3, feature improvements in performance, flexibility and security.
B: The SNMP Read-Only Community String is like a password. It is sent along with each SNMP Get-Request and allows (or denies) access to device. Most network vendors ship their equipment with a default password of "public". (This is the so-called "default public community string".) Many network administrators change the community string to keep intruders from getting information about the network setup. This is a good idea. Even if it's only read-access, an intruder can learn a lot about a network that could be used to compromise it.
References:
https://en.wikipedia.org/wiki/Simple_Network_Management_Protocol
https://community.helpsystems.com/knowledge-base/intermapper/snmp/snmp-community-strings/

Question: 2

A customer is considering the DL380 Gen9 as the platform standard for its VLAN cluster. The configuration will use 24 drives. Each 8-drive cage will contain 1 SSD and 7 SATA drives.
Which array controller should the architect recommend for this configuration?

A. HPE Dynamic Smart Array B140i controller
B. HPE Smart Array P840 controller
C. HPE SAS Expander
D. HPE Flexible Smart Array P440ar controller

Answer: D

Explanation:
HPE Flexible Smart Array P440ar controller has 8 Internal SAS/SATA physical links across 2 x4 ports.
The controller supports the HPE SmartCache feature, which is a controller-based read and write caching solution in a DAS environment that caches the most frequently accessed data ("hot" data) onto lower latency SSDs to dynamically accelerate application workloads. The HPE SmartCache architecture is flexible and supports any HPE ProLiant Gen9 supported HDD for bulk storage and any HPE ProLiant Gen9 supported SSD as an accelerator.

Question: 3

A system administrator is concerned about a high number of visitors connecting to a company's network. In addition to the production network traffic, the network infrastructure is used for the systems management traffic to the company's servers.
What should the administrator do to separate traffic?

A. Implement dynamic routing using the Open Shortest Path First (OSPF) protocol.
B. Split the traffic using the Virtual Local Area Networks (VLAN).
C. Create multiple Spanning Tree Protocol (STP) instances to carry different types of traffic.
D. Change the priority of the traffic using the Quality of Service (QoS) feature.

Answer: D

Explanation:
Quality of service (QoS) protocols allow a router to distinguish different classes of traffic and serve each class according to its priority and needs.
References: ftp://ftp.hp.com/pub/networking/software/A-C07-QoS.pdf (page 4)

Question: 4

A customer's database is slow to respond, and the customer meets response times to be dramatically increased.
Which solution should the architect recommend to achieve this result?

A. Install a new disk drive, and make it a hot spare.
B. Install a workload accelerator.
C. Use IPv6 protocol instead of IPv4.
D. Install a redundant power supply to optimize load balancing.

Answer: B

Explanation:
HPE PCIe Workload Accelerators allows you to implement ten times the number of virtual machines compared to typical virtualization environments.
Achieve significant energy cost savings with 70% more compute per Watt of power with server and Accelerators.

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Reduces data center footprint by hosting an entire database on one HPE PCIe Workload Accelerator.
References: http://www8.hp.com/us/en/products/accelerators/product-detail?oid=8699241

Question: 5

What is a feature of HPE Onboard Administrator?

A. deploys a variety of operating systems including Windows and Linux.
B. reports blade server errors directly to HPE to quickly resolve problems
C. performs initial configuration steps of the enclosure
D. uses the UID to identify the enclosure

Answer: B

Explanation:
When you use the embedded Remote Support functionality with an HP ProLiant Gen8 server or HP BladeSystem c-Class enclosure, you can register a server or enclosure to communicate to HP through an HP Insight Remote Support centralized Hosting Device in your local environment. All configuration and service event information is routed through the Hosting Device. This information can be viewed by using the local HP Insight Remote Support user interface or the web-based view in HP Insight Online.
The Central Connect Remote Support configuration is available in iLO 4 1.10 and later, Intelligent Provisioning 1.20 and later, and Onboard Administrator 3.60 and later.
References: http://h20564.www2.hpe.com/hpsc/doc/public/display?docId=emr_na-c03257154 (page 74)

Question: 6

A customer selects the HPE c7000 with redundant FlexFabric-20/40 F8 Virtual Connect modules for a private cloud project. For the server platform, the customer plans to use the ProLiant BL460 Gen9 with the FlexFabric adapters installed.
How many FlexNICs will be available per 20Gb port for the customer's cloud services?

A. 1
B. 2
C. 4
D. 8

Answer: B

Explanation:
HP Virtual Connect FlexFabric-20/40 F8 Module for c-Class BladeSystem specifications include:
BladeSystem supported:
16 x 10/20Gb downlinks through the midplane
2 x 20Gb cross connect links
4 x 40Gb SR4, LR4 fiber, DAC, AOC and Splitter uplinks QSFP+
8 x 10Gb SR, LRM and LR fiber and copper uplinks SFP+

1 internal interface to c-Class Onboard Administrator Module
References: http://www8.hp.com/us/en/products/virtual-connects/product-detail?oid=6239367#!tab=specs

Question: 7

DRAG DROP
Select all that apply.
Click and drag each HPE Synergy component on the left to match its functionality description on the right.

HPE Synergy component		Description
HPE Synergy Frame Link Module		infrastructure deployment and update
HPE Synergy D3940		integrated frame resource information control point
HPE Synergy Composer		provides storage pool for compute modules
HPE Synergy Image Streamer		management appliance with embedded HPE OneView

Answer:

HPE Synergy component	Description
HPE Synergy Image Streamer	infrastructure deployment and update
HPE Synergy Frame Link Module	integrated frame resource information control point
HPE Synergy D3940	provides storage pool for compute modules
HPE Synergy Composer	management appliance with embedded HPE OneView

Explanation:
* HP Synergy Image Streamer
HPE Synergy the first Composable Infrastructure -- empowers IT to create and deliver new value instantly and continuously.
This single infrastructure reduces operational complexity for traditional workloads and increases operational velocity for the new breed of applications and services. Through a single interface, HPE Synergy composes compute, storage, and fabric pools into any configuration for any application.
* HPE Synergy Fram Link Module
The HPE Synergy 12000 Frame is a uniquely architected system that physically embeds management as code into an intelligent infrastructure to offer a first of it's kind composable solution. Composable resources of compute, storage, and fabric, whether your resources are in a single Frame or multiple linked Frames.
* HPE Synergy D3940

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The HPE Synergy D3940 Storage Module is a 40 Small Form Factor (SFF) drive bay module designed for use in HPE 12000 Synergy frames. Through the HPE Synergy 12Gb SAS Connection Module it provides composable direct attached storage for up to 10 compute modules in a single frame. Synergy storage is optimized for use as either a direct attached storage array or as softwaredefined storage using HPE StoreVirtual VSA or similar solutions.
HPE Synergy is a single infrastructure of physical and virtual pools of compute, storage, and fabric resources, and a single management interface that allows IT to instantly assemble and re-assemble resources in any configuration. As the foundation for the New Style of Business infrastructure, HPE Synergy eliminates hardware and operational complexity so IT can precisely deliver infrastructure to applications faster and with greater flexibility
* HP Synergy Composer
HPE Synergy Composer, which is powered by HPE OneView, manages the Composable Infrastructure and delivers:
References:
http://www8.hp.com/emea_middle_east/en/products/ups/product-detail?oid=1008615261
https://www.hpe.com/h20195/v2/GetPDF.aspx/c04815141.pdf
https://www.hpe.com/h20195/v2/GetPDF.aspx/c04815139.pdf
https://www.hpe.com/h20195/v2/GetPDF.aspx/c04815217.pdf

Question: 8

A customer needs to eliminate thermal imbalance in its new data center.
Which solution should the architect recommend to the customer?

A. any HPE iPDU
B. HPE Intelligent Network racks
C. HPE Rack Air Duct Kit
D. any Intelligent Series rack

Answer: D

Explanation:
HP Intelligent Series Rack introduces a range of industry firsts— starting with built-in intelligence. With HP Location Discovery Services, servers can self-identify and inventory to optimize workload placement. In addition, HP Thermal Discovery Services provide a view of each server's energy requirements, allowing workloads to be easily moved for energy efficiency and cooling performance.
References: http://www8.hp.com/ph/en/ad/proliantgen8-fy12q3/product-options

Question: 9

A customer is deploying a new solution that requires a third-party VoIP card.
Which HPE BladeSystem component is needed to be able to attach the customer's existing BL460c Gen9 server blades to the VoIP card?

A. HPE OneView
B. HPE Storage Blade
C. HPE Smart Array P244br controller

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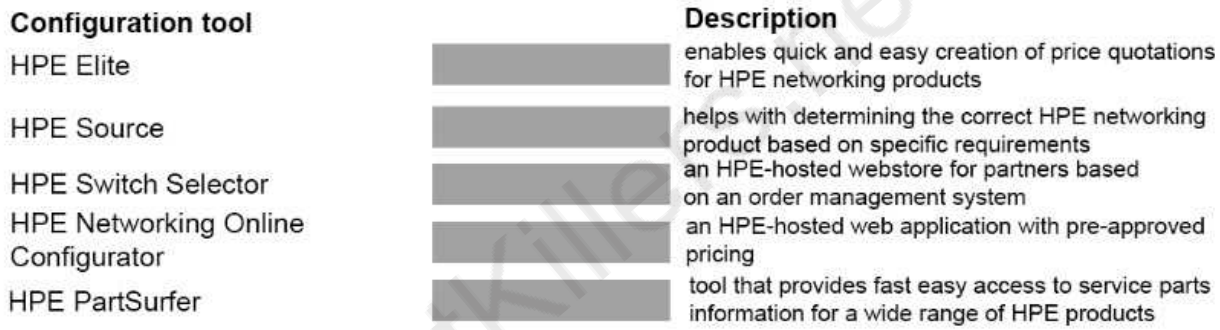
D. HPE PCI Expansion Blade

Answer: D

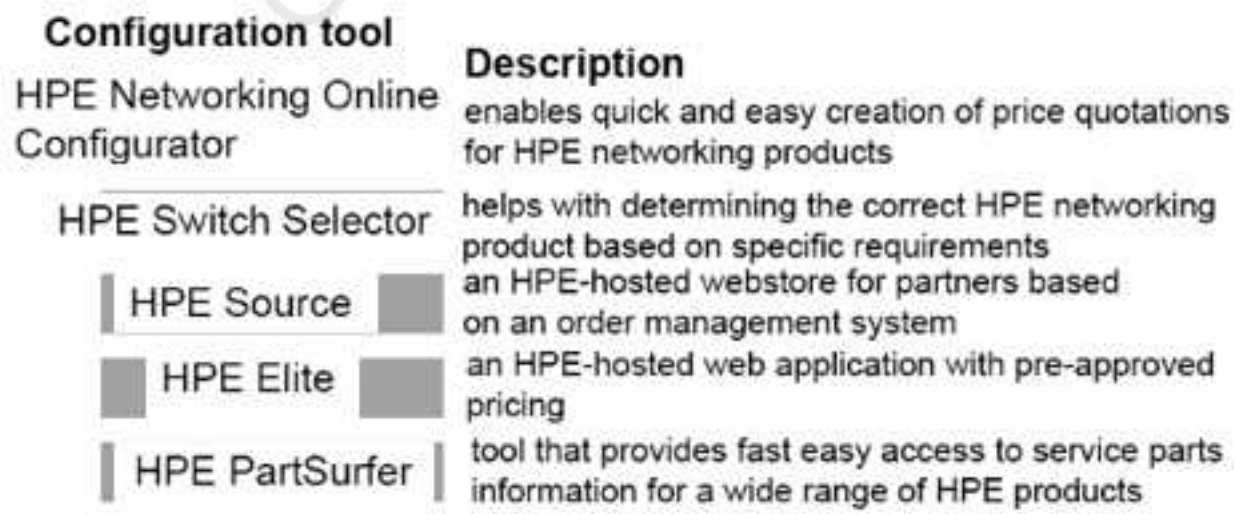
Explanation:
Features of the PCI Expansion Blade include:
Provides PCI-X or PCIe expansion slots for c-Class blade server in an adjacent enclosure bay.
Each PCI Expansion Blade can hold one or two PCI-X cards; or one or two PCIe cards, but cannot contain one of each type of PCI card.
The PCIe and PCI-X expansion slots are rated at 25 Watts per slot.
Supports typical third-party non-HP PCI cards, such as SSL or XML accelerator cards, VOIP cards, special purpose telecommunications cards, and some graphic acceleration cards.

Question: 10

DRAG DROP
Click and drag the HPE configuration tool on the left to its matching description on the right.



Answer:



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Explanation:
* HPE Networking Online Configurator
The HPE Networking Online Configurator which contains the most current HPE Networking product and pricing information. The online configurator streamlines the ability to select and configure our products and to create quotes for you and your customers.
* HPE Switch Selector
The HPE Networking Switch Selector allows customers to find the switches they need by narrowing down specific selection criteria.
* HPE Source
The HP Source Web store provides partners with business and eCommerce solutions that help fulfill your business personal systems and printing business objectives.
* HPE Elite
* HPE Partsurfer
HPE PartSurfer provides fast, easy access to service parts information for a wide range of HPE and Compaq products. With PartSurfer you can:
References:
http://h17007.www1.hpe.com/us/en/networking/products/configurator/index.aspx#.V9cCbSh96Uk
http://h17007.www1.hpe.com/ca/en/networking/products/switches/switch-selector.aspx#.V9cBlCh96Uk
https://h20282.www2.hp.com/pdstore/ssl/smblogin.asp
http://partsurfer.hpe.com/

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