Vendor: HP

Exam Code: HPE0-V14

Exam Name: Building HPE Hybrid IT Solutions

Version: DEMO

QUESTION 1
A customer has a new virtual environment. They selected HPE servers for the environment in order to achieve better performance for their applications.

Which HPE feature enables the customer to achieve this server performance improvement?

A. embedded application
B. workload performance advisor
C. workload profile
D. Active Health System

Answer: C
Explanation:
Workload profile. By selecting the required workload profile, it will tune the server to perform according to whatever workload profile is selected. There are profiles - Virtualization - Power Efficient & Virtualization - Max Performance which can be used according to requirements based on workload which is going to be used.

QUESTION 2
A customer is planning to deploy a new Top of Rack solution. They plan to use a stacking technology that meets the following requirements:

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- Support for Multi Chassis Link Aggregation in an active-active mode.
- The control plane must not be a single point of failure.
- Rapid Fail-over.
- Unified Management.
- They require a maximum of two switches per stack.
```

Which stacking technology meets the customer's requirements?

A. HPE Intelligent Resilient Framework (IRF)
B. HPE Distributed Trunking
C. Aruba Virtual Switching Extension (VSX)
D. Aruba Virtual Switching Framework (VSF)

Answer: C
Explanation:
VSX has near zero downtime and dual control plane (no single point failures) and has "rapid fail-over", along with multiple chassis link aggregation in an active-active mode.

QUESTION 3
A customer needs to move data residing in one class of disks to a more appropriate class of disks based on data access patterns without manual intervention.

Which HPE MSA storage technology/feature will meet the customer requirement?

A. Wide striping
B. Automated Tiering
C. Volume Tier Affinity
D. SSD read cache

Answer: B

Explanation:
Automated tiered storage, as shown in Figure 5-32, is a virtual storage feature that automatically moves data residing in one class of disks to a more appropriate class of disks based on data access patterns:
• Frequently accessed, "hot" data can move to disks with higher performance, lower capacity, and higher costs.
• Infrequently accessed, "cool" data can move to disks with higher capacity, lower performance, and lower costs.

QUESTION 4
A customer recently installed a VMware environment with HPE ProLiants, HPE MSA storage, and Aruba switches.

What should you recommend to the customer to manage their support contracts with HPE?

A. HPE InfoSight
B. HPE Recovery Manager Central
C. Service Pack for ProLiant
D. HPE Insight Online

Answer: D
Explanation:
HPE Insight Online is a cloud-based infrastructure management and support portal available through the HPE Support Center. Powered by HPE remote support technology, it provides a personalized dashboard to simplify tracking of IT operations and to view support information from anywhere at any time, as illustrated in Figure 6-1. Use the Insight Online dashboard to track service events and support cases, view device configurations, and proactively monitor HPE contracts and warranties as well as HPE Proactive service credit balances. It is an addition to the HPE Support Center portal for IT staff who deploy, manage, and support systems, plus HPE Authorized Channel partners who support an IT Infrastructure.

QUESTION 5
A customer has the following requirements:

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- two or more 10Gb SFP+ uplinks
- downlink ports capable of 1Gb or 10Gb operation over CAT6a or CAT7
cables
- 24 downlink ports
```

Which HPE tool would you use to help choose an HPE network solution that meets the customer requirements?

A. HPE Switch Selector
B. HPE NinjaSTARS
C. HPE SAF
D. HPE SPOCK

Answer: A
Explanation:
HPE Switch Selector, as this are all network switch jargon.
HPE NinjaStars is related to Storage for Nimble and such.
HPE SAF I had to google up and has to do with collecting data from customer sites.
HPE SPOCK mainly deals with checking compatibilities with storage devices.

QUESTION 6
A customer needs to update a server's firmware using the latest Support Pack for ProLiant (SPP).
They use a bootable USB flash drive to do so, and they select Interactive Mode on boot. Once
the device boots, they are unsure how to proceed and ask for your assistance.

What can you tell them to do to easily update the firmware?

A. Download a new version of Smart Update Manager.
B. From Interactive mode, select the "Force Firmware" option.
C. Reboot the server with the flash drive and leave in default mode.
D. Run interactive mode from the Operating System instead.

Answer: C
Explanation:
They want to easily update the firmware not have to make choices or force updates. Reboot with
the same USB and leave the default option which is automatic installation.

QUESTION 7
A customer with a Microsoft server environment wants to consolidate their employee home
directories and other company file shares presented from an appliance as a single name space.

Which HPE product should you recommend to the customer?

A. StoreOnce
B. StoreEasy
C. SimpliVity
D. MSA storage

Answer: B
Explanation:
Ideal uses for HPE StoreEasy network-attached storage
While StoreEasy has an incredible number of features that can be implemented, typical use
cases include:
* User, department, and corporate file shares
+ Home directory consolidation
* File sync and share for desktop and mobile
* Connected remote office/branch office (ROBO)
* Bulk data preservation of unstructured file data
* Compliant archives using iTernity Compliant Archive Software

QUESTION 8
What does the term composable mean when applied to HPE infrastructure?

A. pay-per-use consumption models
B. hardware-defined infrastructure
C. to provide all-flash like performance, but at a hybrid price point
D. to simplify and accelerate DevOps and business innovation

Answer: D
Explanation:

Infrastructure that can be provisioned on the fly with software-defined intelligence allows for optimal application performance. Logically pooling resources reduces both underutilization and overprovisioning to create a more agile, cost-effective data center. A unified management interface integrates formerly siloed infrastructure and operations and allows IT to be offered as a service, enabling modern DevOps practices to be adopted by organizations with critical legacy applications that need to remain on premises.

QUESTION 9
Which factors are used to determine RAM configuration maximum memory capacity? (Choose two.)

A. number and model of qualified processors
B. largest DIMM capacity qualified on the server
C. speed of the DIMMs being used
D. number of cores in the processor
E. number of PCIe slots

Answer: AB
Explanation:
The maximum memory capacity is a function of the number of DIMM slots on the platform, the largest DIMM capacity qualified on the platform, the number and model of installed processors qualified on the platform.

QUESTION 10
Which protocol verifies that the ports in common between two switches have compatible settings and removes the likelihood of a misconfigured aggregated link?

A. RPVST+
B. LACP
C. GVRP
D. 802.1q

Answer: B
Explanation:
A key advantage of LACP is that LACP verifies that the ports in common between two switches have compatible settings, removing the likelihood of a misconfigured aggregated link.

QUESTION 11
You are installing an HPE Nimble HF20 into a customer's existing rack.

Prior to installation, what should you consider?

A. An HPE Nimble array has left-to-right airflow
B. HPE recommends installing the HPE Nimble array at the top of the rack
C. The HPE Nimble array will require 3-phase power
D. HPE recommends racks with a depth of 1200 mm

Answer: D
Explanation:
HPE recommends HPE racks with a depth of 1200mm to best accommodate the length of the Nimble Storage chassis; the HPE 1200mm rack provides ample room for cabling and ease of

serviceability. HPE racks with a depth of 1075mm can be used but may have limited space for cabling and component access. If a 3rd party rack with a depth less than 1075mm is used, the rear doors cannot be fully closed.

QUESTION 12
HPE support asks you to provide the Active Health System log from HPE StoreEasy 1660 Storage to expedite a troubleshooting process.

Which procedures will generate the AHS log for HPE Support? (Choose two.)

A. Download the AHS log from Server Manager dashboard
B. Download the AHS log from Federation dashboard in StoreEasy Management Console
C. Log in to the StoreEasy system with SSH and use the hpessacli command
D. Boot to Intelligent Provisioning and download the AHS log from maintenance section
E. Configure Remote Support on the iLO to send the log to HPE

Answer: DE
Explanation:
https://techlibrary.hpe.com/docs/iss/DL360pGen8/tsg/advanced/Content/150999.htm
You can download the Active Health System log manually and send it to HP. The log can be downloaded using the following tools:
HP iLO
Intelligent Provisioning
Active Health System download CLI for Windows Operating Systems
Active Health System download CLI for Linux Distributions

QUESTION 13
A customer wants an HPE solution to expand a Big Data platform. The company is outgrowing its current setup and expects to consume 1 PB of data in a few months and up to 2 PB of data within a year.

Which HPE server platform is best suited for this use case?

A. HPE Microserver
B. HPE Edgeline
C. HPE Apollo
D. HPE Proliant ML

Answer: C
Explanation:
The HPE Apollo family is a set of purpose-built compute offerings designed to address the needs of HPC workloads as well as Big Data Analytics, object storage, and enterprise service provider needs.
The emerging scale-out type of architectures driven by the cloud for Big Data Analytics and object storage require simple storage at massive scale, substantial configuration flexibility, and a high degree of density optimization.

QUESTION 14
A customer just purchased a ProLiant 300 series Gen10 server and wants to install the latest version of Windows.

Which feature of this server will assist the customer with the initial Windows installation?

A. HPE SSA Diagnostics
B. HPE SmartStart
C. Smart Storage Administrator
D. Intelligent Provisioning

Answer: D
Explanation:
Use Intelligent Provisioning to:
- Deploy an operating system to Smart Array-based storage.
- Manage and update necessary drivers not included in base operating system media.
- Perform maintenance-related tasks such as updating firmware and configuring iLO and HPE Smart Array controllers.
- Create and edit a collection of configuration settings, save them in a portable package, and deploy them to many servers via iLO 5 or a USB key.
- Deploy an operating system to two Secure Digital (SD) cards supported by HPE.

QUESTION 15
A customer needs a shared storage solution for a virtualization platform that will host a database application. The customer is considering an HPE Nimble array.

Which feature would lead you to propose an HPE Nimble AF40 over an HPE 3PAR All Flash array?

A. Fibre Channel Connectivity
B. 10Gb iSCSI support
C. Supported by Infosight for predictive analytics
D. Predictable performance event with one failed controller

Answer: D
Explanation:
If the primary controller fails, or if a firmware upgrade is scheduled, a failover occurs. At failover, the second controller becomes the active one, and client operations continue undisturbed.
This approach delivers zero performance degradation, even with one controller down. Together with Triple+ RAID and Cascade Multistage Checksums, reliable active-standby controller failover makes HPE Nimble Storage systems safe and dependable for even the most critical workloads.

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