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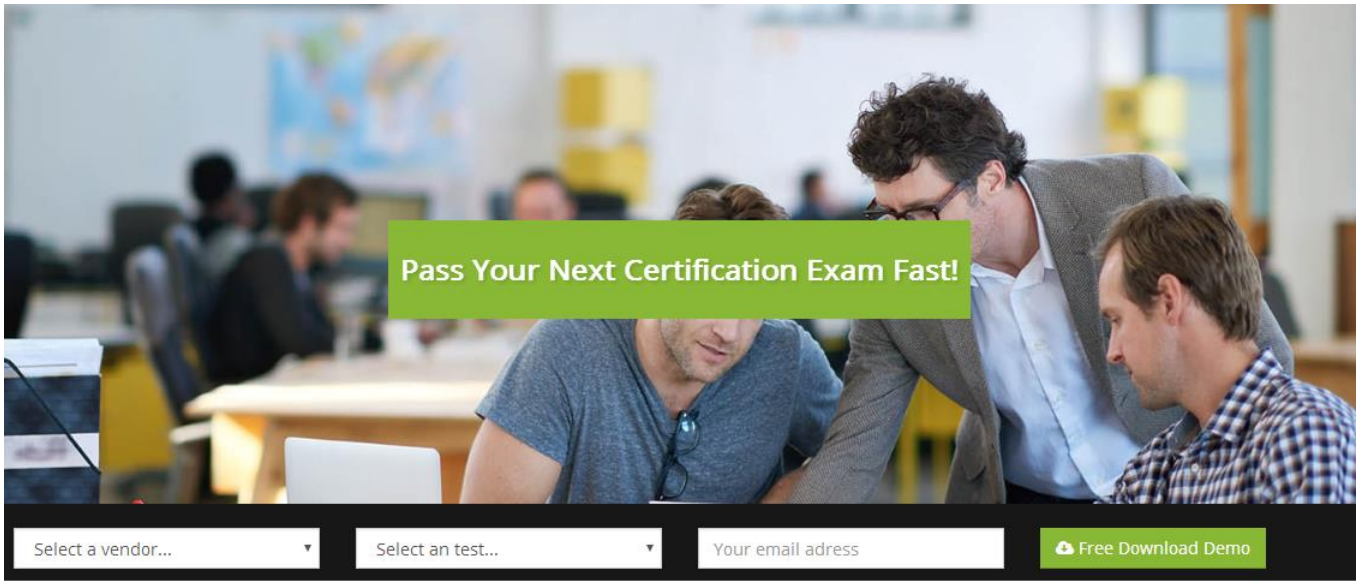

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Exam : **HPE0-S59**

Title : HPE Compute Solutions

Vendor : HP

Version : DEMO

NO.1 You are planning to propose an unmanaged InfiniBand switch for a company ' s AI interconnect. What should you verify?

A. That the switch supports deterministic routing

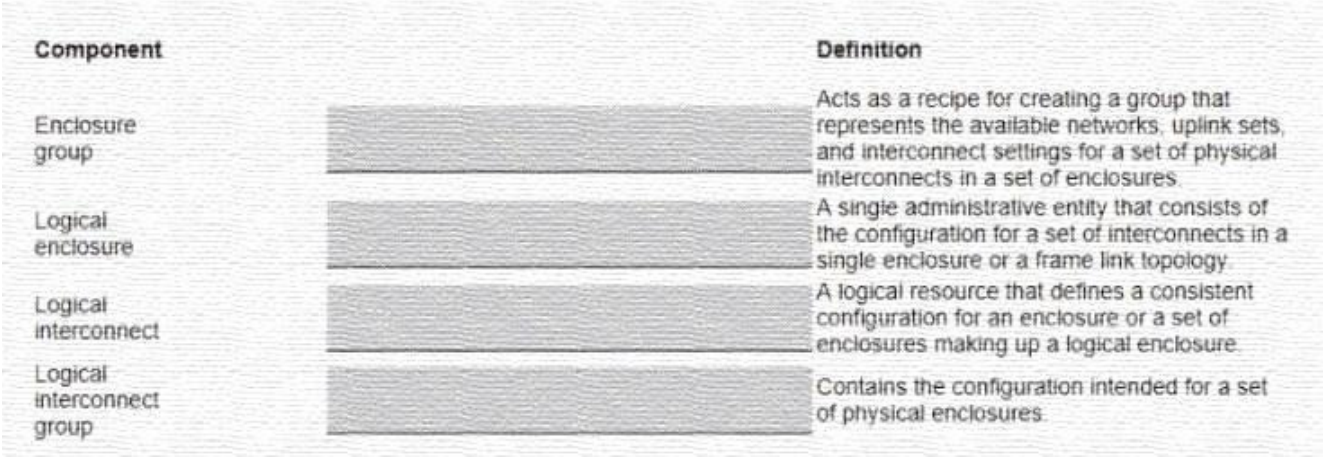
B. That the company has an HPE Aruba Networking Central subscription for managing the switch

C. That the switch model that you are recommending supports RoCEv2

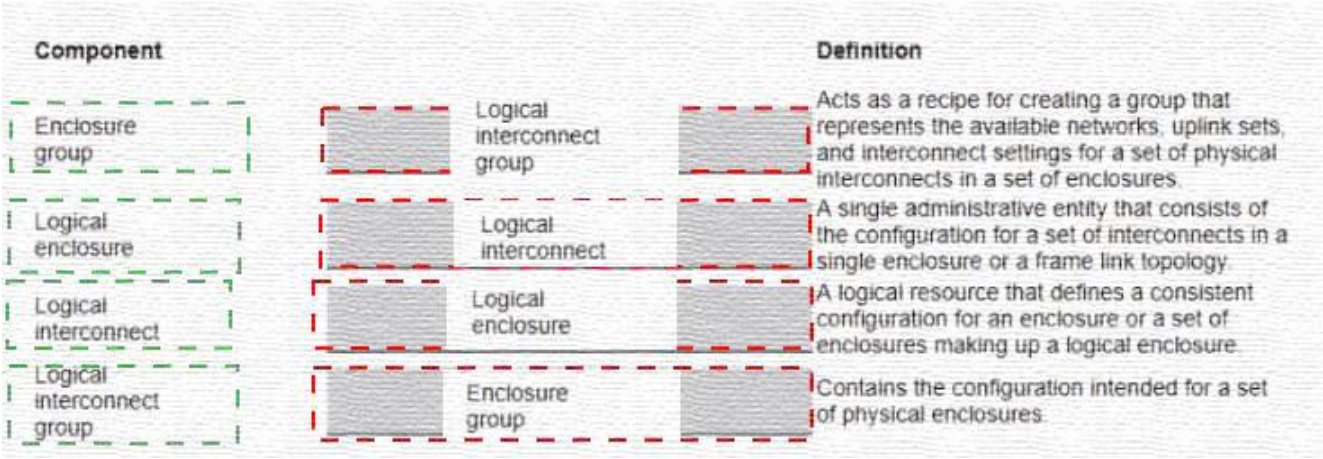
D. That the company has or can deploy a separate subnet manager

Answer: D

NO.2 Match each HPE Synergy logical component with the definition.



Answer:



Explanation:

Here are the correct matches for each HPE Synergy logical component with their respective definitions:

* Enclosure group Definition: Contains the configuration intended for a set of physical enclosures.
* Logical enclosure Definition: A logical resource that defines a consistent configuration for an enclosure or a set of enclosures making up a logical enclosure.
* Logical interconnect Definition: A single administrative entity that consists of the configuration for a set of interconnects in a single enclosure or a frame link topology.
* Logical interconnect group Definition: Acts as a recipe for creating a group that represents the available networks, uplink sets, and interconnect settings for a set of physical interconnects in a set of enclosures.
* Enclosure group: An enclosure group in HPE Synergy defines the configuration settings, including logical interconnect groups and firmware baselines, for a set of physical enclosures.

* Logical enclosure: A logical enclosure in HPE Synergy is a resource that includes one or more physical enclosures and their associated logical interconnects, providing a consistent configuration for those enclosures.
* Logical interconnect: A logical interconnect represents a set of interconnects within an enclosure, managed as a single entity. It includes the configuration of the interconnects and their connections.
* Logical interconnect group: A logical interconnect group (LIG) defines the network configuration, including available networks, uplink sets, and interconnect settings, that can be applied to multiple enclosures.
Reference: HPE Synergy Configuration and Management Guide

NO.3 You need to select GPUs for HPE ProLiant servers, which will be deployed in a customer ' s edge sites to run AI workloads. To win the deal, you need to select the most cost effective GPUs that also provide the right performance for the use case.
The AI workloads include generative AI with Retrieval Augmented Generation (RAG). Which GPU should you select?
A. L4
B. H100
C. L40
D. H200
Answer: A

NO.4 An administrator tries to open iLO interlace from HPE OneView Instead of being automatically logged in a login prompt displays Where should you start the troubleshooting process?
A. At the iLO interface to verify whether the ILO Advanced license is properly applied
B. At HPE OneView Interface to verify whether the server is In the maintenance mode
C. At the iLO interface to verify whether the SSO certificate is removed from an iLO.
D. At HPE OneView Interface to verify whether the iLO processor is disabled
Answer: C
Explanation:
When the iLO interface prompts for a login instead of automatically logging in via HPE OneView, a common issue is that the Single Sign-On (SSO) certificate might have been removed or is not properly configured on the iLO. Verifying the presence and validity of the SSO certificate on the iLO interface is a critical step in troubleshooting this issue.
Reference: HPE OneView and iLO Integration Guide

NO.5 Your customer has an HPE Synergy frame equipped with a D3940 Storage Module. Each of the compute nodes has the appropriate storage controller installed and two 12Gb SAS switches installed in the first fabric.
The customer reports that the compute nodes cannot access the storage module.
What will you verify first when troubleshooting this problem?
A. If the SAS logical interconnect is a part of the logical enclosure and has a healthy state.
B. If the D3940 module is imported in a managed state that allows volume provisioning.
C. If there is at least one iSCSI network configured that will provide access to the module.
D. If the D3940 storage module is properly licensed through the HPE OneView interface.
Answer: A

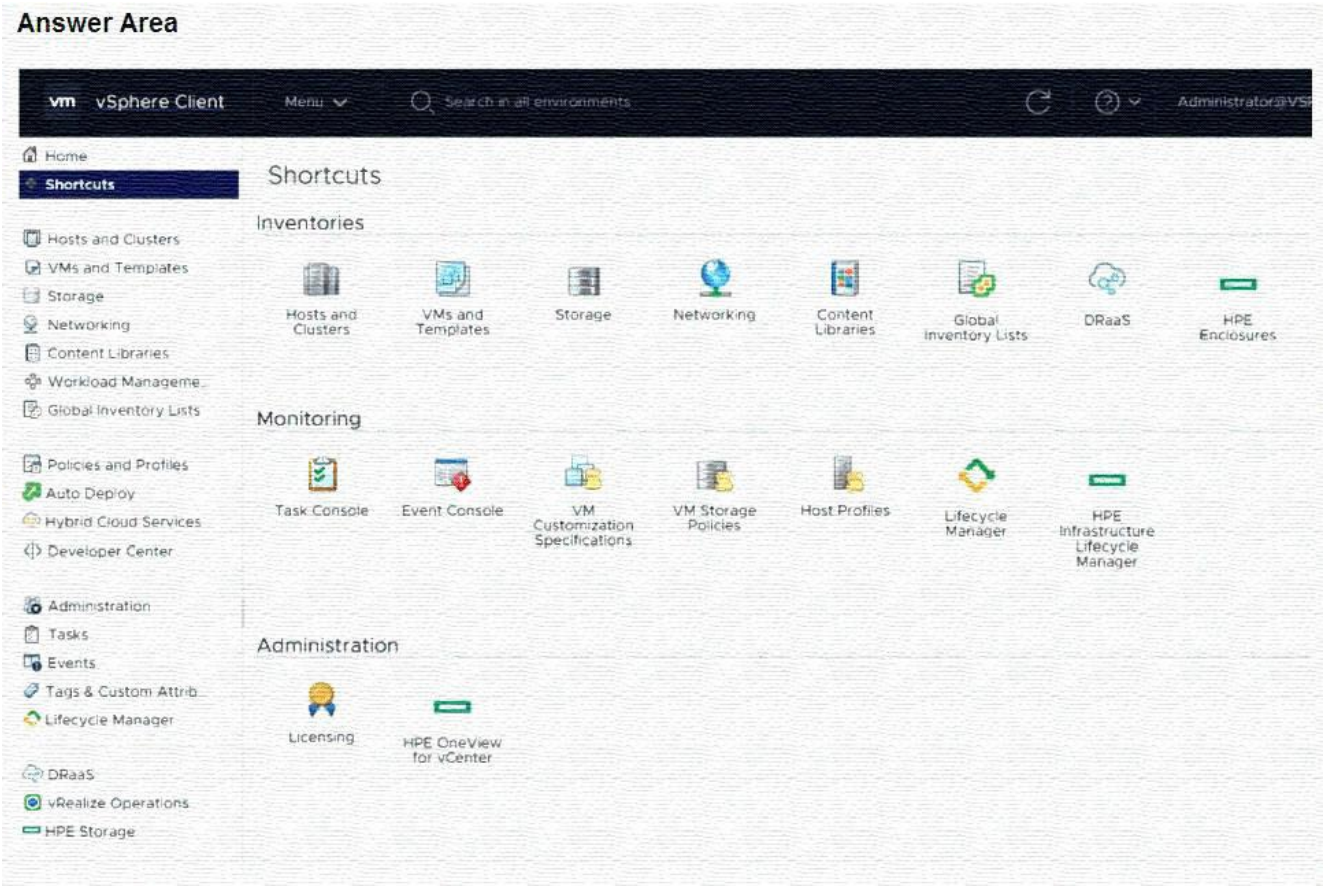
NO.6 Admins want to update the Mellanox kernel drivers running on the AI optimized workers in an HPE Private Cloud AI solution. What does HPE recommend?
A. Updating the drivers as part of the HPE Private Cloud AI software catalog update
B. Using the OFED drivers downloaded from the HPE support site
C. Updating the HPE Aruba Networking CX switches ' software first
D. Running the update from the HPE AI Essentials UI
Answer: C

NO.7 Which statement about HPE Apollo 2000 Gen10 Plus platform is true?
A. It offers servers with AMD EPYC and Intel Xeon Scalable CPUs
B. It is fully managed using HPE OneView including all connections
C. It is equipped with HPE Persistent memory by default
D. It can support a single processor only and up to 4 per chassis
Answer: A

NO.8 Your customer used to manage their HPE 3PAR arrays using HPE OneView Now they have replaced these arrays HPE Primera.
How does managing the new arrays compare to managing their old arrays?
A. HPE OneView offers additional functionalities for HPE Primera like CPG management
B. HPE OneView offers limited support tor HPE Primera because of the firmware differences
C. Management procedures and features are the same tor both types of the array
D. To manage HPE Primera using HPE OneView. a dedicated license is required
Answer: C

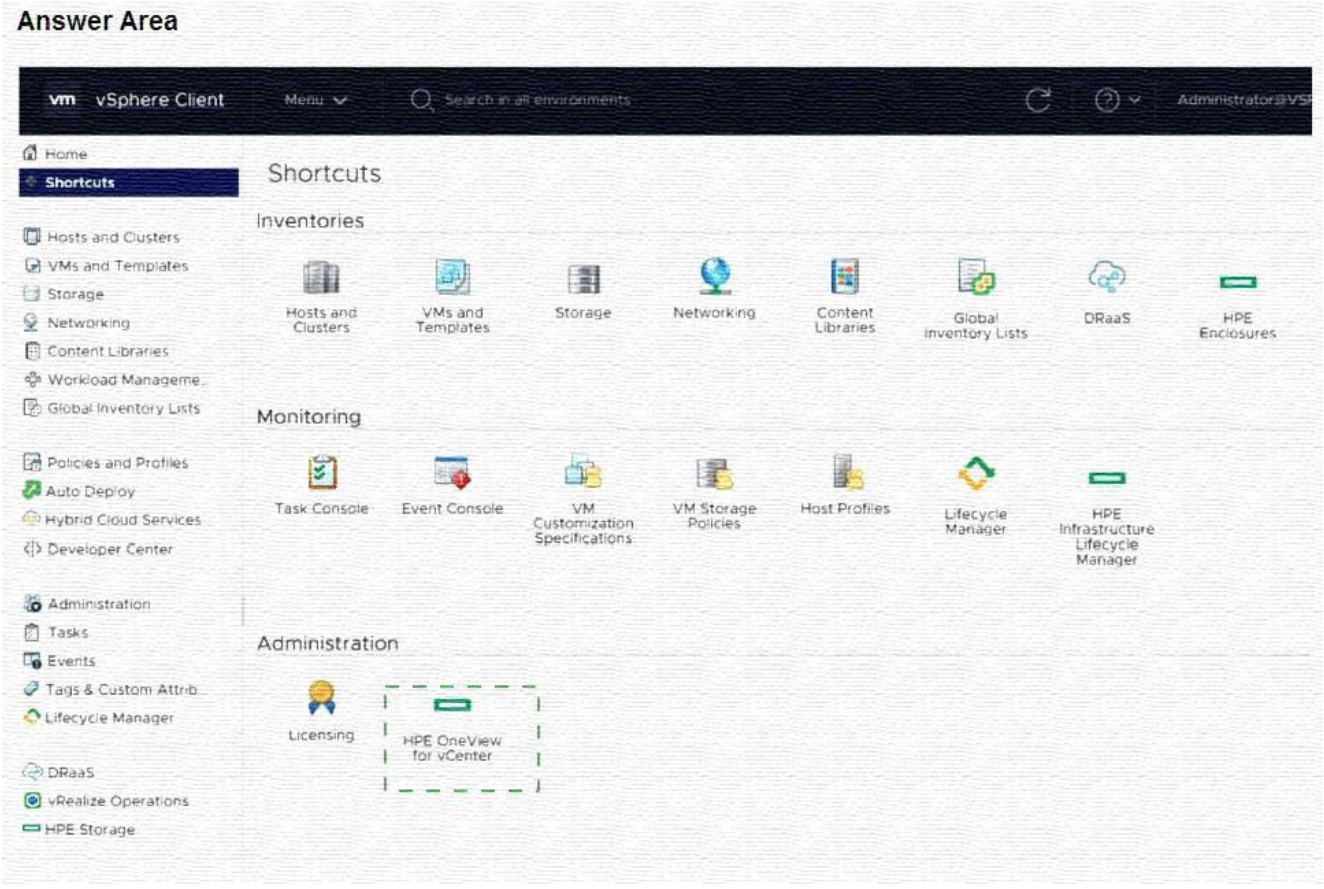
NO.9 Click the option that will allow you to update the HPE Synergy logical enclosure firmware.

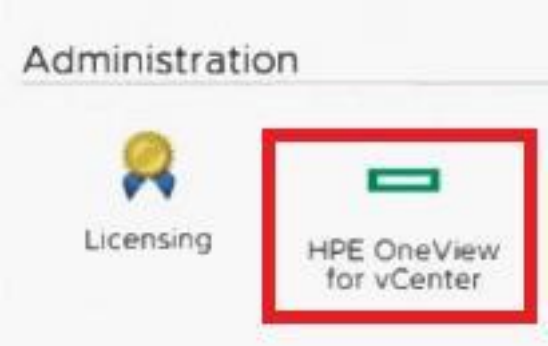
Answer Area



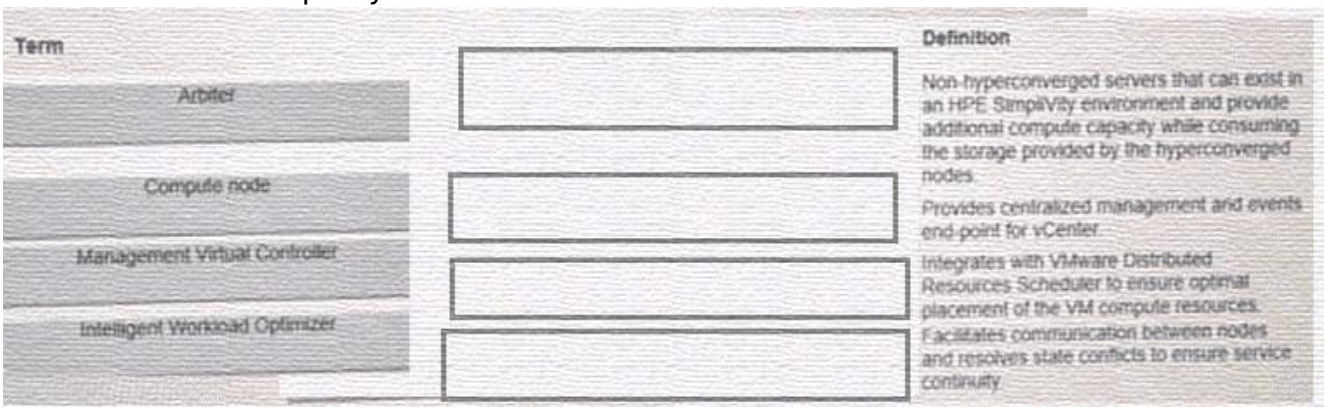
Answer:

Answer Area

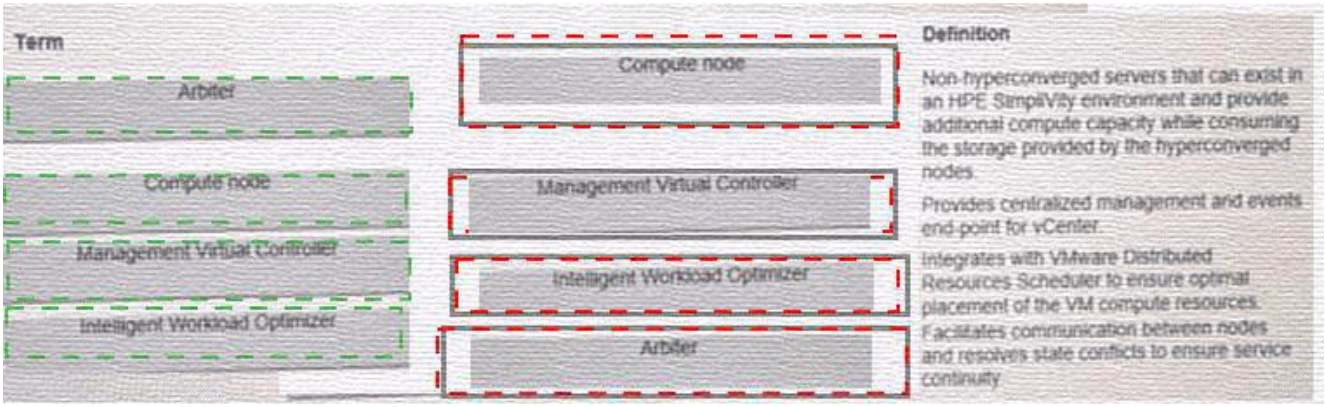




NO.10 Match HPE SimpliVity term with the definition.



Answer:



Explanation:

Here are the correct matches for each HPE SimpliVity term with their respective definitions:

* Arbiter Definition: Facilitates communication between nodes and resolves state conflicts to ensure service continuity.
* Compute node Definition: Non-hyperconverged servers that can exist in an HPE SimpliVity environment and provide additional compute capacity while consuming the storage provided by the hyperconverged nodes.
* Management Virtual Controller Definition: Provides centralized management and events end-point for vCenter.
* Intelligent Workload Optimizer Definition: Integrates with VMware Distributed Resources Scheduler to ensure optimal placement of the VM compute resources.
* Arbiter: This component is essential for ensuring that the HPE SimpliVity nodes communicate properly and that any state conflicts are resolved, which is critical for maintaining service continuity.
* Compute node: These are non-hyperconverged servers that add additional compute capacity to the HPE SimpliVity environment. They utilize the storage resources provided by the hyperconverged

nodes.
* Management Virtual Controller: This controller is responsible for centralized management and acts as the events end-point for vCenter, allowing for streamlined management of the SimpliVity environment.
* Intelligent Workload Optimizer: This tool integrates with VMware ' s Distributed Resources Scheduler (DRS) to ensure that virtual machine (VM) compute resources are placed optimally across the infrastructure.
Reference: HPE SimpliVity 380 Data Sheet

NO.11 Which statement about HPE OneView milestone releases is true?
A. A milestone release is a release which must be installed on HPE Composer to support current version of the Service Pack for Synergy
B. A milestone release is a release that is published when HPE releases new hardware components to immediately support new systems
C. A milestone release is available for selected partners that give access to HPE OneView features which are not officially announced.
D. A milestone release is a release with an enhanced update architecture mat is a prerequisite prior to updating to a subsequent release.
Answer: D
Explanation:
A milestone release in HPE OneView refers to a version that includes significant architectural enhancements and updates. It serves as a prerequisite for subsequent updates, ensuring that the system is prepared for the next set of features and improvements. This type of release is essential for maintaining compatibility and stability as new hardware components and features are introduced.
Reference: HPE OneView Release Notes

NO.12 An HPE partner is selling an HPE Private Cloud AI solution.
For which need, not covered by the services always bundled with the solution, can an HPE partner offer a service?
A. Connecting HPE Private Cloud AI to the customer ' s data center network
B. Designing and setting up data pipelines for HPE Private Cloud AI
C. Connecting the HPE GreenLake File Storage to HPE AI Essentials
D. Installing the HPE AI Essentials software
Answer: B

NO.13 Your customer uses HPE OneView to manage their HPE Synergy environment. They plan to use it to manage a new set equipment that includes.
- 20 HPE ProLiant DL365 Gen10 Plus servers
- 20 HPE ProLiant DL380 Gen10 Plus servers
- 5 HPE Primera 650
- 5 HPE MSA 2062 Storage Array
Which statements about now OneView will work with this new equipment are true? (Select two)
A. HPE ProLiant DL365 Gen10 Plus servers are not supported in HPE OneView
B. HPE MSA 2062 Storage Array is not supported in HPE OneView
C. HPE OneView replaces array management tools for both types of array

D. HPE ProLiant DL380 Gen10 Plus servers have an HPE OneView license included

E. HPE Primera 650 can be managed using HPE OneView.

Answer: B E

* HPE MSA 2062 Storage Array is not supported in HPE OneView: HPE OneView does not provide management capabilities for the HPE MSA series, which includes the MSA 2062. These arrays must be managed using their dedicated management tools.
* HPE Primera 650 can be managed using HPE OneView: HPE OneView supports the management of HPE Primera storage arrays, including the Primera 650, allowing for integrated management and monitoring within the OneView environment.

Reference:
HPE OneView Support Matrix
HPE OneView User Guide

NO.14 You are setting up HPE VM Essentials on several hosts. The hosts communicate on VLAN 10, which is untagged on a link aggregation on each host.
A separate link aggregation on each host will carry traffic for the VMs. Each host also has two links in separate subnets for their storage traffic. All IP addressing uses IPv4.
The output for the ip a command on one of the hosts is shown below.

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: ens3f0: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond0 state UP group default qlen 10
    link/ether 46:b9:2e:25:e4:b5 brd ff:ff:ff:ff:ff:ff permaddr 92:68:47:c0:00:6a
3: ens3f1: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond0 state UP group default qlen 10
    link/ether 46:b9:2e:25:e4:b5 brd ff:ff:ff:ff:ff:ff permaddr 92:68:47:c0:00:6b
4: ens3f2: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond1 state UP group default qlen 10
    link/ether 02:2b:e2:c6:63:50 brd ff:ff:ff:ff:ff:ff permaddr 92:68:47:c0:00:6c
5: ens3f3: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond1 state UP group default qlen 10
    link/ether 02:2b:e2:c6:63:50 brd ff:ff:ff:ff:ff:ff permaddr 92:68:47:c0:00:6d
6: ens3f4: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether 02:2b:e2:c6:63:50 brd ff:ff:ff:ff:ff:ff permaddr 92:68:47:c0:00:6c
    inet 10.122.9.10/24 brd 10.122.9.255 scope global ens3f4
       valid_lft forever preferred_lft forever
7: ens3f5: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether 02:2b:e2:c6:63:50 brd ff:ff:ff:ff:ff:ff permaddr 92:68:47:c0:00:6d
    inet 10.122.10.10/24 brd 10.122.10.255 scope global ens3f5
       valid_lft forever preferred_lft forever
8: bond0: <BROADCAST,MULTICAST,MASTER,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether 46:b9:2e:25:e4:b5 brd ff:ff:ff:ff:ff:ff
    inet 10.67.100.71/24 brd 10.67.100.255 scope global bond0
       valid_lft forever preferred_lft forever
    inet6 fe80::44b9:2eff:fe25:e4b5/64 scope link
       valid_lft forever preferred_lft forever
9: bond1: <BROADCAST,MULTICAST,MASTER,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether 02:2b:e2:c6:63:50 brd ff:ff:ff:ff:ff:ff
    inet6 fe80::2b:e2ff:fec6:6350/64 scope link
       valid_lft forever preferred_lft forever
10: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether 52:54:00:8a:c2:db brd ff:ff:ff:ff:ff:ff
    inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
       valid_lft forever preferred_lft forever
```

What should you specify for the management interface when installing the HPE VM Essentials Manager on this host?

A. bond0

B. bond0.10

C. vlan10

D. ens3f0

Answer: A

NO.15 Your customer plans to deploy VMware ESXi 7. 0 U2, and they are looking for a hardware platform that will allow them to use up to 16 CPU sockets Which HPE compute system meets the customer requirements?

A. HPE ProLiant DL580 Gen10

B. HPE ProLiant OL380 Gen 10 Plus

C. HPE Synergy 480 Gen10 Plus

D. HPE Superdome Flex system

Answer: D

Explanation:

The HPE Superdome Flex system is the only HPE compute system that supports up to 16 CPU sockets, making it suitable for customers who require a hardware platform with such high scalability. The Superdome Flex is designed for mission-critical workloads and provides exceptional scalability and performance.

Reference: HPE Superdome Flex QuickSpecs

NO.16 Your customer has 6 logical enclosures spanning 18 HPE Synergy frames. The customer needs to add one more logical enclosure based on 5 HPE Synergy frames How will this change impact the customer environment?

A. The customer can add a new logical enclosure to the existing setup because the maximum number of logical enclosures in a single management ring is not reached.

B. The customer has to expand the management ring capacity either by adding HPE Composer 2 modules or adding memory to reach 128GB per module.

C. The customer has to create a new management ring for new logical enclosure because the maximum number of frames m a single management ring is reached.

D. The customer can add a new logical enclosure to an existing setup once all required licenses are added to HPE OneView and associated with the new frames.

Answer: C

Explanation:

HPE Synergy management rings have a maximum capacity for the number of frames they can manage. With

18 frames already managed in 6 logical enclosures, adding 5 more frames would exceed this capacity. Therefore, the customer needs to create a new management ring for the new logical enclosure to ensure proper management and operation.

Reference: HPE Synergy Management Guide