Cisco

Exam Questions 700-905

Cisco HyperFlex for Systems Engineers

NEW QUESTION 1
If a GPU card is Installed in HyperFlex nodes before a cluster is created, which action can be used to automatically build the service profile in UCS Manager?

A. Check Run UCS Manager Configuration during the cluster creation process
B. Check the extended memory option during the cluster creation process
C. Check the GPU workflow during the cluster creation process
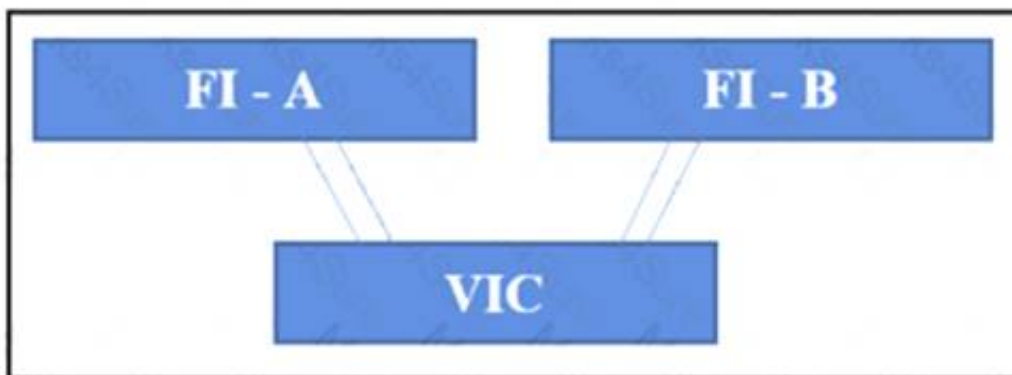D. Check the administrative workflow option during the cluster creation process

Answer: C

Explanation:

If the GPU card is installed before the cluster is created, then, during cluster creation, choose the **Advanced** workflow:

- On the HXDP installer page, choose **I know what I'm doing, let me customize my workflow**.
- Check **Run Cisco UCS Manager Configuration** and click **Continue**. This creates the necessary service profiles for the HyperFlex nodes
- Verify that BIOS Setting by setting **MMIO Above 4-GB** configuration to **Enabled**.
  - If it is not, enable it and you will need to reboot the servers.
- Go back to the **Advanced** workflow on the HX Data Platform Installer page to continue with **Run ESX Configuration**, **Deploy HX Software**, and **Create HX Cluster** to complete cluster creation.

NEW QUESTION 2
Refer to the exhibit.

Which VIC model supports two wire connectivity to each Fabric Interconnect?

A. VIC 1227
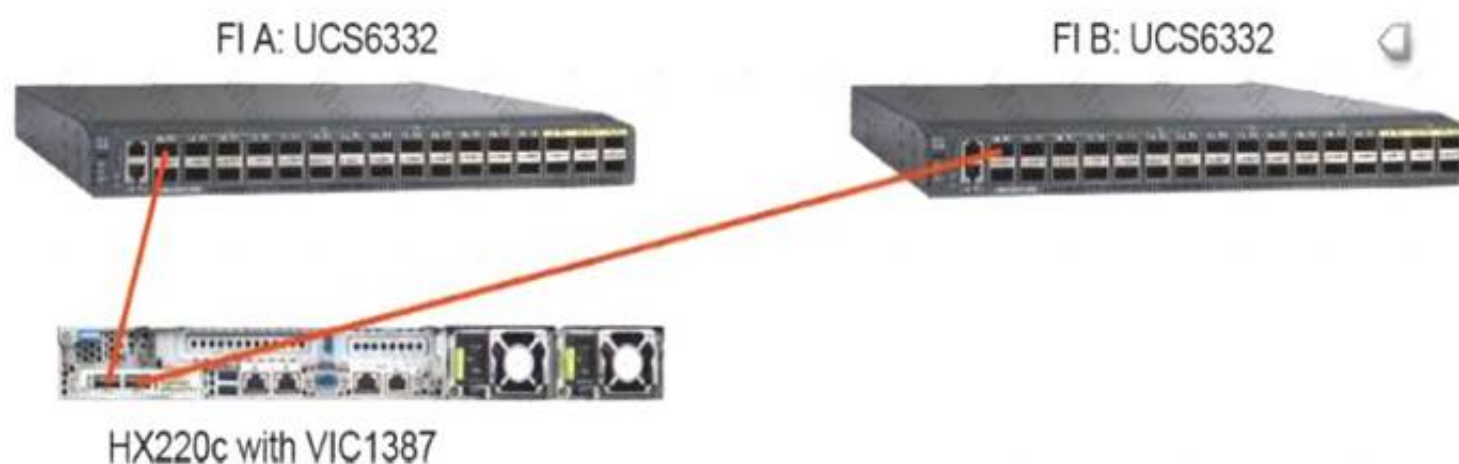B. VIC 1557
C. VIC 1387
D. VIC 1457

Answer: C

Explanation:

Wiring Cisco HyperFlex Servers to Fabric Interconnects

You connect the Cisco HyperFlex servers to the Fabric Interconnects in the similarly as you wire other rack-mount servers.

Connect each HyperFlex server using unified wire to both Fabric Interconnects.

- HX UCS M5 as of HXDP v3.5.1 supports mLOM-based VIC1387 and VIC1457.

    - VIC1457 is supported only for ESXi-based deployments as of HXDP v3.5.1.
    - VIC1457 supports two wire connectivity to each Fabric Interconnect. VIC1387 is single wire to each Fabric Interconnect.

- It is not supported that you use Fabric Extender (FEX) between server and Fabric Interconnects.
- When connecting VIC to Fabric Interconnects, make sure port numbers match.

    - For example, a given server's VIC to port 1/3 on both Fabric Interconnects.
    - If ports do not match, installation will fail.

FI A: UCS6332   FI B: UCS6332

HX220c with VIC1387

NEW QUESTION 3
How many memory channels does the Cisco UCS M5 server support per CPU?

A. 1
B. 2
C. 6
D. 8

Answer: C

NEW QUESTION 4
Which two steps should be performed before installing HyperFlex? (Choose two.)

A. Determine and download recommended hypervisor
B. Determine and download recommended VCenter required
C. Download service profile templates
D. Determine and download recommended UCS firmware required.
E. Determine and download virtual machine OS' required.

Answer: AD

NEW QUESTION 5
Which two steps should be performed before installing HyperFlex? (Choose two.)

A. Determine and download recommended installer OVA version required
B. Complete the pre-installation checklist.
C. Determine and download recommended hypervisor
D. Download service profile templates
E. Determine and download virtual machine OS! required

Answer: AB

NEW QUESTION 6
HyperFlex uses file system native snapshots and provides which three features? (Choose three.)

A. on datastore level, snapshots work the same as vSphere snapshots
B. automatically deduplicating data of snapshots through StorFS
C. impact on the VM performance after a lot of writes, requiring future administration
D. limitations in age and number of snapshot
E. See user manual for limitations
F. consolidation of snapshots is still manual but not necessary

G. automatic update to the golden image when a configuration change is made

Answer: ABD

NEW QUESTION 7
A Controller Virtual Machine (CVM) is an Ubuntu Linux VM that lives outside the converged data platform on the housekeeping drive since it is involved in creating the convergence data platform Which two features tor CVMs are valid? (Choose two.)

A. creates hooks tor services related to third-party abstraction applications
B. does not perform caching, deduplication: and compression of data
C. an Ubuntu based VM running in the control space of each individual server, having linear access to the server's VMs and networking controls
D. needs network access to ESX
E. other CVMs, and management network
F. is installed automatically by the HyperFlex installer, configured through the installer

Answer: DE

Explanation:

A CVM is an Ubuntu Linux VM that lives outside the converged data platform on the housekeeping drive, since it is involved in creating the converged data platform.

The CVMs have these features:

- An Ubuntu based VM running in the hypervisor of each individual server, having direct access to the server's storage.
- Is installed automatically by the HyperFlex installer, configured through the installer.
- Needs network access to ESXi, other CVMs, and management network.
- Performs caching, deduplication, and compression of data.
- Utilizes IOVisor to distribute data across the HyperFlex cluster.
- Provides HX Connect, HyperFlex CLI, and REST API for management.
- CVMs are responsible for logging.

NEW QUESTION 8
Drag the server type from the left onto the maximum number of capacity drives on the right.

Drag the server type from the left onto the maximum number of capacity drives on the right.

HX220c-M5SX	_____	6-12
HX240c-M5SX	_____	6-8
HX240c-M5L	_____	6-23

Solution:
HX220c-M5SX_6-8 HX240c-M5SX_6-23 HX240c-M5L_6-12

Capacity Drive options

Server	Drives	Capacity Drive Type
HX220c-M5SX Hybrid	6–8	1.8-TB or 1.2-TB SFF HDDs
HX220c-M5SX Hybrid with SED		1.2-TB SED SFF HDDs
HX220c-M5SX All-Flash		3.8-TB or 960-GB SSDs
HX220c-M5SX All-Flash with SED		3.8-TB, 960-GB, or 800-GB SED SFF SSDs
HX220c-M5SX All-NVMe		4-TB or 1-TB NVMe SSD
HX240c-M5SX Hybrid	6–23	1.8-TB or 1.2-TB SFF HDDs
HX240c-M5SX Hybrid with SED		1.2-TB SED SFF HDDs
HX240c-M5SX All-Flash		3.8-TB or 960-GB SSDs
HX240c-M5SX All-Flash with SED		3.8-TB, 960-GB, or 800-GB SED SFF SSDs
HX240c-M5L Hybrid	6–12	8-TB or 6-TB LFF HDDs

Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 9
Cisco HyperFlex AII-NVMe nodes are expected to be supported beginning in which HXDP version'?

A. HXDP 4.0.1
B. HXDP 3.5.1
C. HXDP 3 5.2
D. HXDP 4.0

Answer: D

Explanation:

When you evaluate the servers that are most appropriate for your environment, consider these general guidelines:

- Choose HX240 servers to maximize the storage pool.
- Choose HX220 servers to ensure high compute power (relative to storage).
- Choose all-flash platforms to increase IO performance.
- For environments where storage performance is crucial, use AII-NVMe nodes once HyperFlex 4.0 is released.

NEW QUESTION 10
Which uses for the system drive in an HX node are valid? (Choose two.)

A. Migration
B. Saving and restoring program state
C. Virtual machine store
D. Garbage collection
E. Write Cache

Answer: BD

Explanation:

Housekeeping/System Drive

Main notes to remember about 240-GB SSD housekeeping drive:

- Also known as system drive.
- Second drive used by the controller VM.

    - In addition to the boot drive.

- Used for various system operations:

    - Saving and restoring program state.
    - Removal of unneeded software.
    - Executing disk maintenance utilities.
    - Garbage collection.
    - Freeing local memory on the stack on exit from a function.
    - File backup.

NEW QUESTION 11

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