

## Cisco

700-905 Exam

**Cisco HyperFlex for Systems Engineers Exam** 

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## Version: 8.0

Question: 1	
What is the maximum number of cores supported in the Cisco UCS M5 s	erver?
A. 28	
B. 22	
C. 12	
D. 8	
	Answer: A
	×
Question: 2	
How many memory channels does the Cisco UCS M5 server support per	CPU?
, C <sub>2</sub> * ·	
A. 1	
B. 2	
C. 6 D. 8	
D. 8	
	Answer: C
Question: 3	
What is the maximum size of an HXDP cluster running 3.5.1?	
A. 64 nodes	
B. 8 nodes	
C. 16 nodes	
D. 32 nodes	
	Answer: A
Explanation:	

Cisco HyperFlex is a scalable system:

- As of HXDP v3.5.1, maximum size of standard ESXi-based cluster is 64 servers.
  - Cluster, with exception of stretched cluster, cannot be a part of more than one Cisco UCS domain.
  - You can only achieve cluster of this size with Cisco UCS 6296, other fabric interconnects do not have enough ports.
  - An alternative is to have a stretch cluster where servers are split across two Cisco UCS domains.
- If you want to connect Fibre Channel storage to the same Cisco UCS domain, consider that all Fabric Interconnects, except Cisco UCS 6332, support unified ports.

Question: 4	

With which three components must every HyperFlex cluster be equipped with in regard to disks? (Choose three.)

- A. NVMe drives
- B. there are no specific requirements
- C. same type of cache drives
- D. same type and size of capacity of drives
- E. same number of capacity drives
- F. SAS drives

Answer: CDE

Explanation:

#### **Drive Selection Rules**

Similar to the limitations about mixing different nodes in a cluster, you must follow these guidelines when selecting drives for each node within a cluster:

Every node in Cisco HyperFlex cluster must be equipped with:

- · The same type and size of capacity drives:
  - HDD: 1.2, 1.8, 6, or 8 TB.
    SSD: 960 GB or 3.8 TB.
    NVMe SSD: 1 or 4 TB.
- · The same number of capacity drives
  - 6-8 in HX220 (all types).
  - 6–23 in HX240c-M5SX.
  - 6–12 in HX240c-M5L.
- The same type of cache drive:
  - SAS SSD, NVMe SSD, or NVMe Optane SSD.
  - Size does not matter; the same amount of space is used no matter the disk size.

Question:	5

Which two features enable RAID cards striping as well as mirroring and parity? (Choose two.)

- A. Integration with Cisco Intersight for a cloud-based storage management solution.
- B. No load on the system resources, drives seem as one drive to the operating system
- C. On RAID card failure, the RAID onboard concurrent cache assists rebuild cache.
- D. Hot replacement of drives available, depending on configuration
- E. Distributed drives across disparate systems can be in RAID together.

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Explanation:

RAID cards enable striping as well as mirroring and parity, with these features:

- No load on the system resources, drives seem as one drive to the operating system.
- Hot replacement of drives available, depending on configuration.
- Disk replacements require RAID rebuilds, taking a long time.
- On RAID card failure, the RAID card compatibility can be an issue.
- Limited drives in a raid field, depending on solution, limiting scalability.
- Only local drives can be in RAID together.

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