Cisco

Exam Questions 300-610

Designing Cisco Data Center Infrastructure (DCID)

NEW QUESTION 1
Where does Cisco UCS handle Fibre Channel traffic failover?

A. on a Cisco UCS Fabric Interconnect ASIC in Fibre Channel switching mode
B. on the host, by using multipathing software
C. in the hardware on the Cisco UCS VIC 12xx adapter or later
D. in the hardware on any Cisco UCS VIC adapter

Answer: B

NEW QUESTION 2
What is an advantage of Cisco HyperFlex Edge as compared to Cisco HyperFlex Standard Clusters?

A. Cisco Intersight automatically creates an invisible cloud witness.
B. Cisco UCS 5108 Blade Server chassis provides SEEPROM connectivity to solve split-brain scenarios.
C. Cisco UCS Manager provides service profile portability across nodes.
D. Cisco HyperFlex Edge provides native container support through the KVM hypervisor.

Answer: A

NEW QUESTION 3
Which orchestration tool provides a graphical interface to manage LAN and SAN fabrics?

A. Cisco Virtual Topology System
B. Cisco Data Center Network Manager
C. Cisco Nexus Fabric Manager
D. Cisco CloudCenter

Answer: B

NEW QUESTION 4
Which element is the main functional component of the architecture that separates the internal fabric and the external network that connects sites when VXLAN EVPN is deployed multisite?

A. border leaf
B. service leaf
C. border gateway
D. service gateway

Answer: C

NEW QUESTION 5
An engineer is designing a data center that uses FCIP. How is QoS configured in this environment?

A. A separate DSCP value and CoPP must be configured for all FCIP traffic and another for all of the FCIP in the data connection.
B. A separate DSCP value must be configured for all FCIP VSAN traffic.
C. A separate DSCP value and priority queuing must be configured for all FCIP traffic.
D. Two separate DSCP values must be configured, one of all of the FCIP frames in the control TCP connection and another for all of the FCIP frames in the data connection.

Answer: D

NEW QUESTION 6
Drag and drop the feature descriptions from the left onto the correct UCS Fabric Interconnect modes on the right.

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Links are active-active.	**End-Host Mode**
MAC address learning occurs on the uplink ports.	Links are active-active.
STP runs on the uplink ports.	MAC address learning occurs on the uplink ports.
This is the default mode of operation.	**Switch Mode**
	STP runs on the uplink ports.
	This is the default mode of operation.
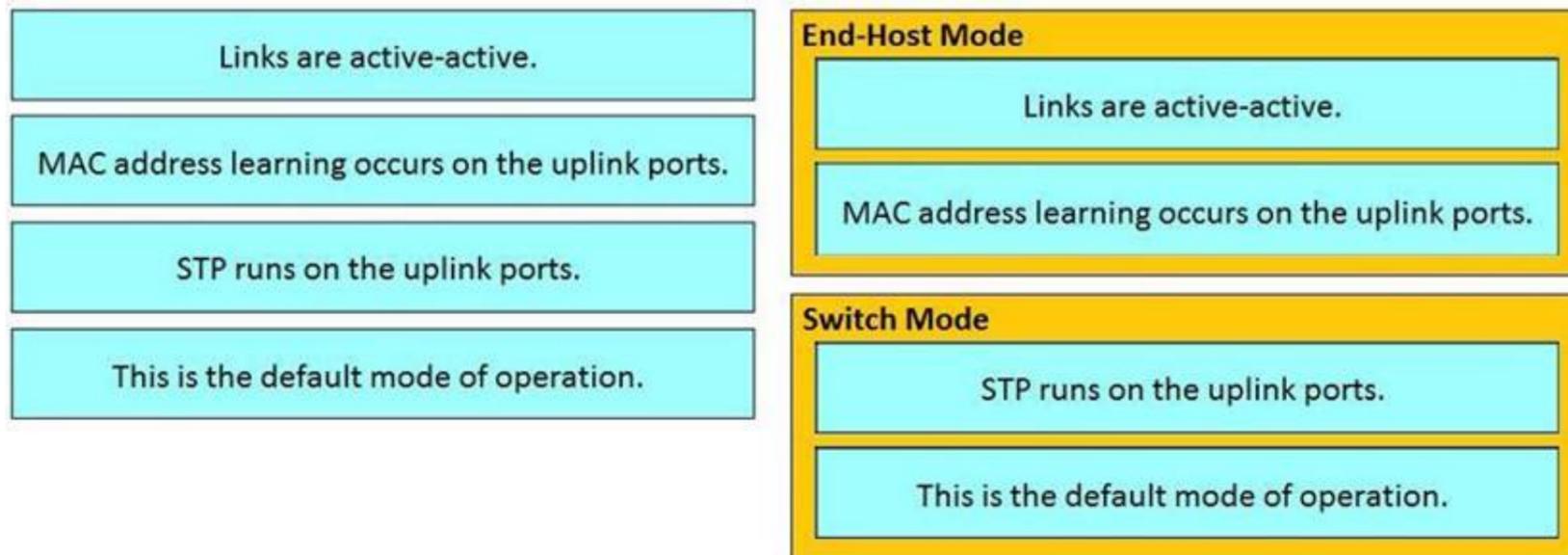
NEW QUESTION 7
Which Ethernet to Cisco Fabric Interconnect connectivity configuration is supported when FCoE is implemented?

A. VSS that has unified uplinks
B. Ethernet and unified ports on the same port channel
C. vPC that has unified uplinks
D. cross-connections with pinning

Answer: C

NEW QUESTION 8
Which two configurations are available by using a service profile template in Cisco UCS Manager? (Choose two.)

A. number of vHBAs
B. ARP entries
C. UUID assignment
D. VXLAN membership
E. target server

Answer: AC

NEW QUESTION 9
Refer to the exhibit.
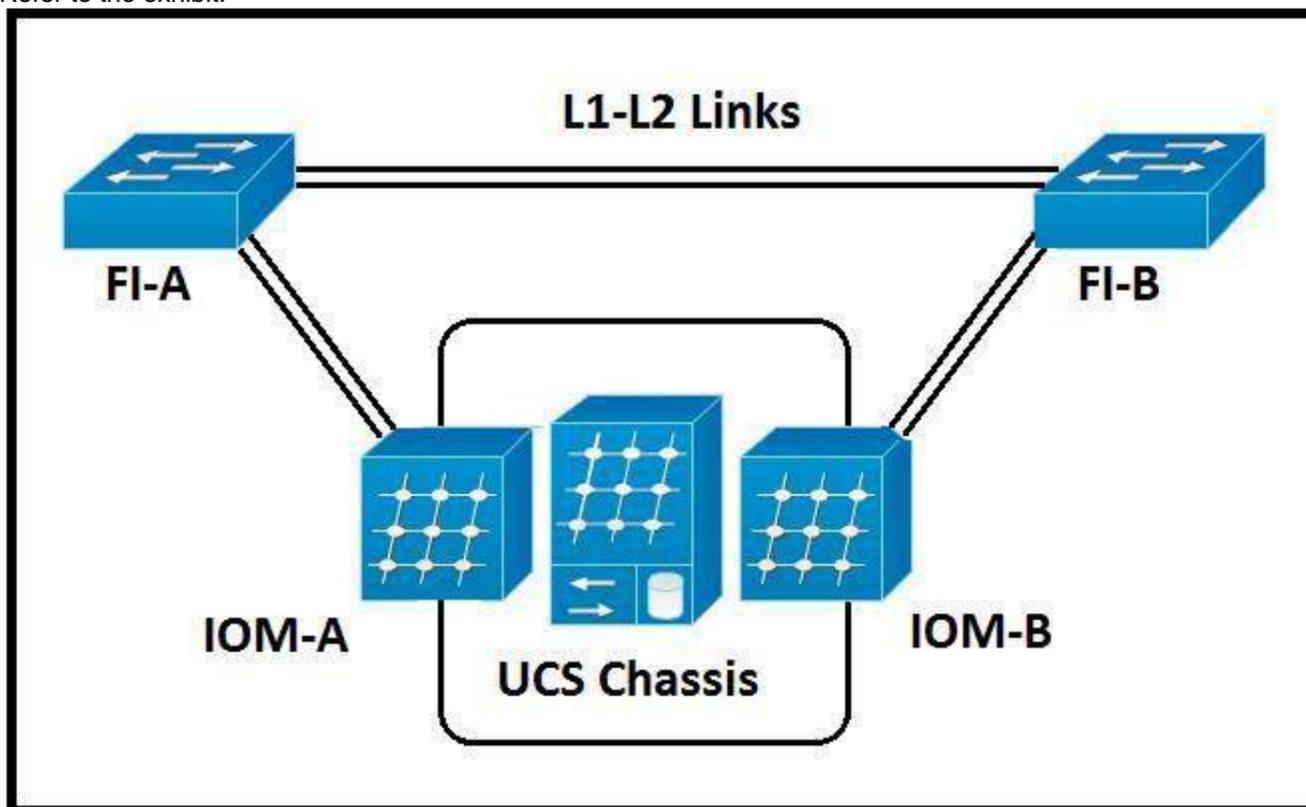
A Cisco UCS chassis that has two IOMs is discovered. The chassis discovery policy creates a fabric port channel. What is the result of this policy?

A. Cisco UCS Manager creates two separate fabric port channels.
B. Cisco UCS Manager creates a single fabric port channel.
C. The port channel is disabled until an administrator enables it manually.
D. Each uplink that connects an IOM is configured as a discrete link.

Answer: A

NEW QUESTION 10
What are two advantages of using Cisco vPC over traditional access layer designs? (Choose two.)

A. supports Layer 3 port channels
B. disables spanning-tree
C. no spanning-tree blocked ports
D. uses all available uplink bandwidth
E. maintains single control plane

Answer: CD

NEW QUESTION 10
Which multicast rendezvous point redundancy mode is valid for Bidirectional PIM?

A. Embedded RP
B. Phantom RP
C. MSDP
D. PIM anycast RP

Answer: D

NEW QUESTION 14
An engineer deploys LISP VM mobility. Which feature is configured on the interfaces that have VM mobility enabled?

A. IP redirects
B. flow control
C. proxy ARP
D. HSRP

Answer: C

NEW QUESTION 15
Which two vSphere features must be included in the design of a Cisco HyperFlex systems stretched cluster? (Choose two.)

A. HA
B. VSS
C. FT
D. VDP
E. DRS

Answer: AE

NEW QUESTION 16
Which pools are used when a vNIC template is created in Cisco UCS Manager?

A. WWPN
B. UUID
C. MAC
D. IP

Answer: C

NEW QUESTION 18
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