Cisco

Exam Questions 300-610

Designing Cisco Data Center Infrastructure (DCID)

NEW QUESTION 1
Drag the requirements from the left onto the correct policy types on the right.

Requirements	Policy Types
Support tagging policies.	**Cisco Intersight Global Policy**
Scrub disks on disassociation.	
Synchronize server power state.	
Create a utility partition on a SD card.	**Cisco UCS Manager Local Policy**
Implement Hypervisor password policies.	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Requirements	Policy Types
Support tagging policies.	**Cisco Intersight Global Policy**
Scrub disks on disassociation.	Implement Hypervisor password policies.
Synchronize server power state.	Synchronize server power state.
Create a utility partition on a SD card.	Support tagging policies.
Implement Hypervisor password policies.	**Cisco UCS Manager Local Policy**
	Scrub disks on disassociation.
	Create a utility partition on a SD card.

NEW QUESTION 2
What influences the number of ISLs that are required between Cisco MDS Series switches?

A. FCoE protocol
B. type of storage
C. end-to-end oversubscription ratio
D. N Port virtualization

Answer: C

NEW QUESTION 3
Refer to the exhibit.

```
Switch(config-sys-qos)# show policy-map system
    Type network-qos policy-maps

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policy-map type network-qos system
   class type network-qos class-fcoe
      match qos-group 1
      pause no-drop
      mtu 2000
   class type network-qos class-default
      match qos-group 0
      mtu 1500
Service-policy (qos) input: system
   policy statistics status: disabled
   Class-map (qos) : class fcoe (match-any)
      Match : cos 3
      set qos-group 1
   Class-map (qos) : class-default (match-any)
      Match: any
      set qos-group 0
```

The FCoE packets fail to be forwarded through the switch. What is the minimum MTU QoS requirement for the FCoE to work?

A. 9000 bytes
B. 2000 bytes
C. 2158 bytes
D. 2240 bytes

Answer: B

NEW QUESTION 4
Which feature provides a sandbox to convert NX-OS CLI commands to REST-based scripts on Cisco Nexus 7700 Series Switches?

A. NX-API
B. Postman
C. Bash shell
D. Guest shell

Answer: A

NEW QUESTION 5
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 6
Which two configuration methods can be used to deploy QoS to Cisco MDS Series switches? (Choose two.)

A. zone-based QoS
B. multiple QoS policies that match individual devices
C. VSAN-based QoS
D. FCoE VLAN-based QoS
E. multiple QoS policies that match multiple devices

Answer: AC

NEW QUESTION 7
Which feature must be configured to connect a classical Ethernet network to a data center network so that the data center network appears to be one large switch.

A. VPC+
B. UDLD
C. EVPN
D. OSPF

Answer: C

NEW QUESTION 8
Drag and drop the feature descriptions from the left onto the correct UCS Fabric Interconnect modes on the right.

Links are active-active.	**End-Host Mode**
MAC address learning occurs on the uplink ports.	
STP runs on the uplink ports.	**Switch Mode**
This is the default mode of operation.	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Links are active-active.	**End-Host Mode**
	Links are active-active.
MAC address learning occurs on the uplink ports.	MAC address learning occurs on the uplink ports.
STP runs on the uplink ports.	**Switch Mode**
	STP runs on the uplink ports.
This is the default mode of operation.	This is the default mode of operation.

NEW QUESTION 9
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 10
Which Cisco HyperFlex feature provides virtual machine-level cost scaling for desktop virtualization growth?

A. HyperFlex Edge support
B. encryption offload cards
C. dedicated compute nodes
D. fabric interconnects

Answer: A

NEW QUESTION 10
Which two automation requirements can be met by using Puppet? (Choose two.)

A. Push configuration updates immediately to servers.
B. Enable clients to pull changes to configuration files.
C. Enable clients to pull changes without installing an agent.
D. Provide support for writing new modules in Python.
E. Enable one-off infrastructure changes to be performed manually.

Answer: AB

NEW QUESTION 15
Refer to the exhibit.
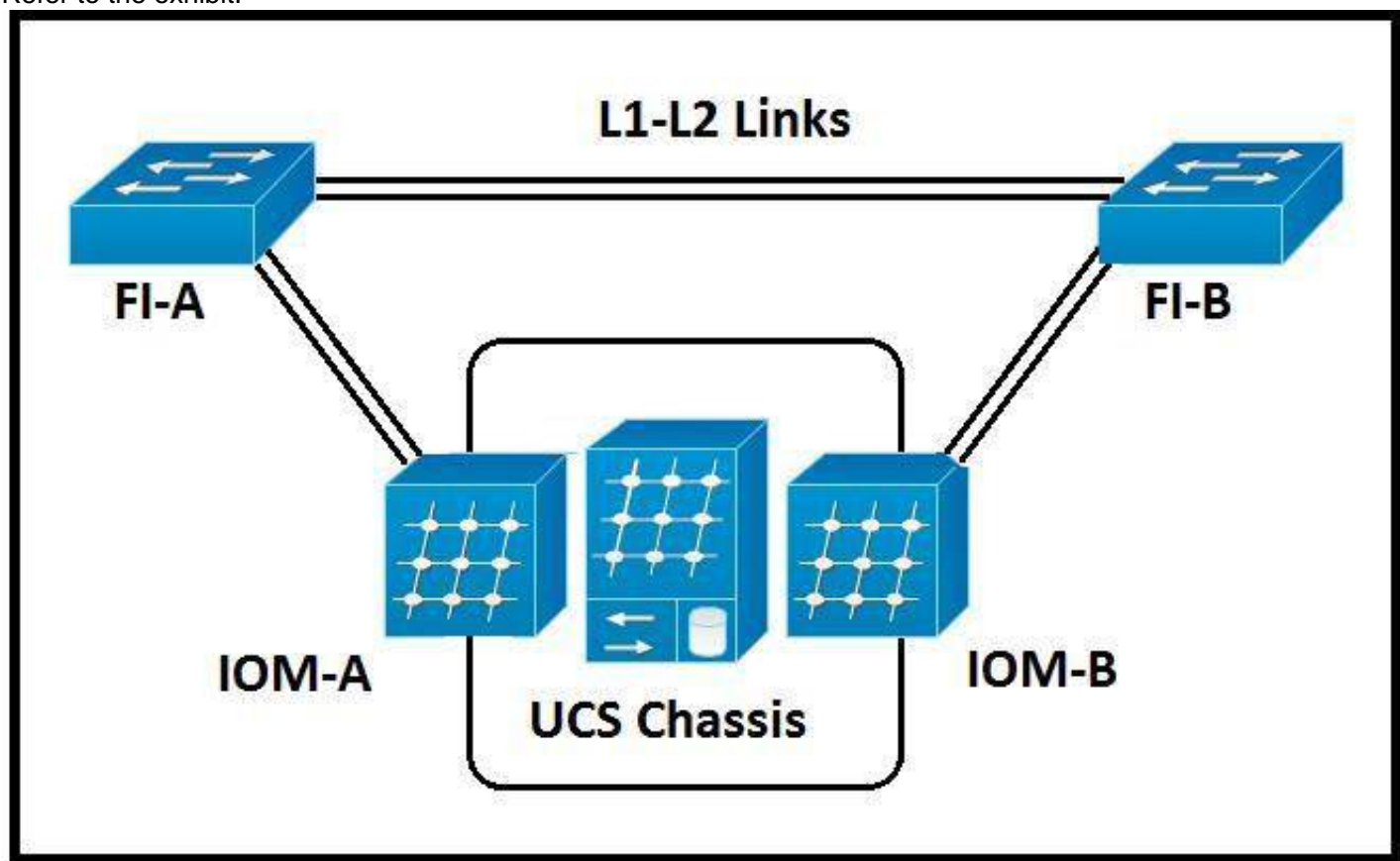
A Cisco UCS chassis that has two IOMs is discovered. The chassis discovery policy creates a fabric port channel. What is the result of this policy?

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 16
Drag the appropriate from the left onto the current UDLD modes of operation on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Uses STP if UDLD information times out.	**Normal Mode**
Detects when a port is stuck.	Uses STP if UDLD information times out.
Disables a port that has a high error rate.	Allows a port that has a high error rate.
Allows a port that has a high error rate.	**Aggressive Mode**
	Detects when a port is stuck.
	Disables a port that has a high error rate.
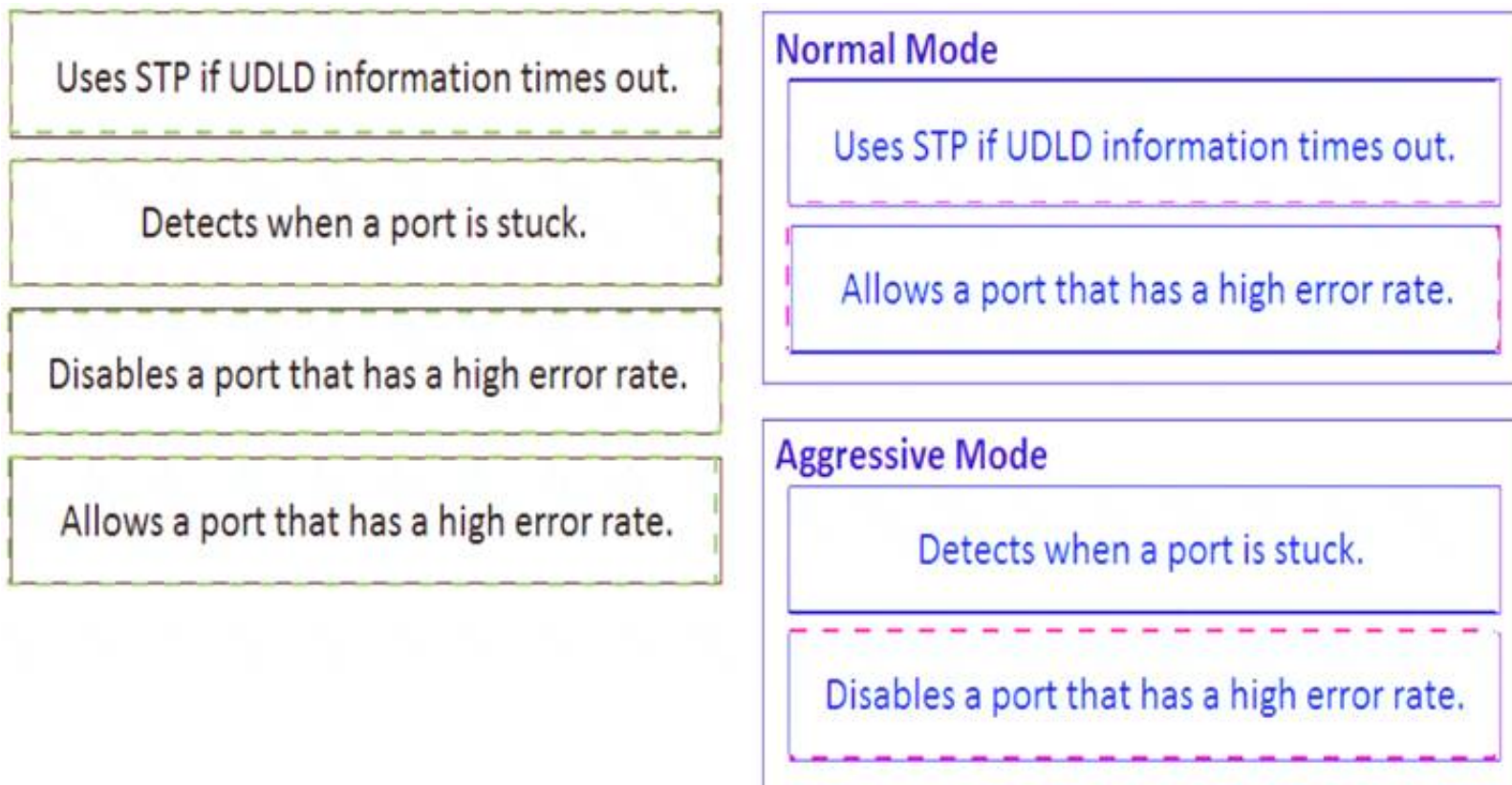
NEW QUESTION 17
When planning to deploy a load-balancing service as a managed node, which ACI configuration must be included?

A. BGP ECMP
B. Layer 4 to Layer 7 device package
C. inline load-balancing device
D. ITD

Answer: B

NEW QUESTION 21
Refer to the exhibit.
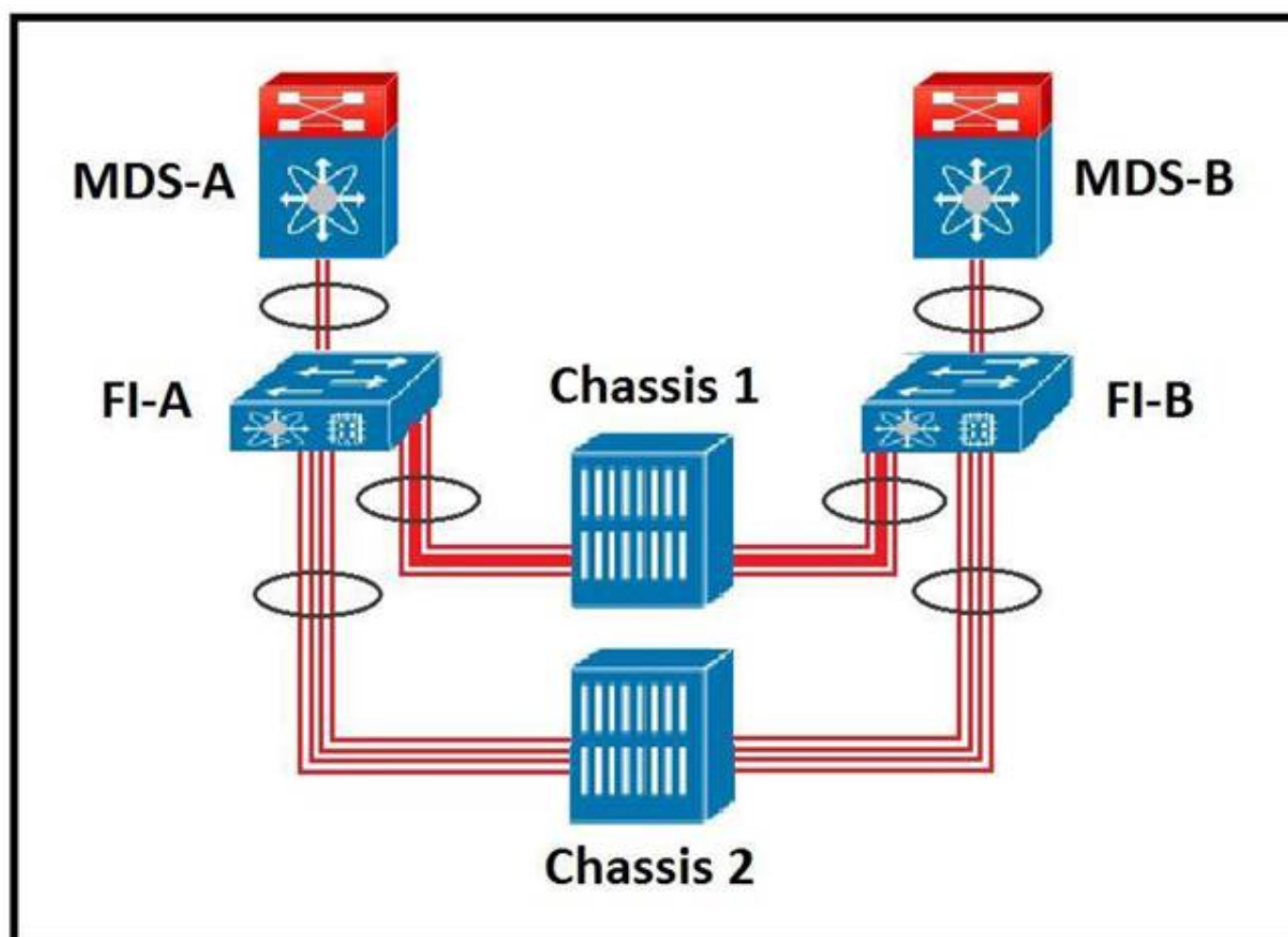
An engineer must assign multiple Fibre Channel IDs to a single port channel. Which two features must be enabled this goal? (Choose two.)

A. SAN Pin Groups on the Cisco UCS Fabric Interconnects.
B. NPV feature on the Cisco MDS Series.
C. end-host mode feature on the Cisco UCS Fabric Interconnects
D. NPIV feature on the Cisco MDS Series
E. Smart Zoning feature on the Cisco UCS Fabric Interconnects

Answer: BD

NEW QUESTION 26
What is a design consideration when implementing FSPF?

A. Routes are based on the domain ID.
B. Routes are based on the distance vector protocol.
C. FSPF runs only on F Ports.
D. FSPF runs on a per-chassis basis.

Answer: A

NEW QUESTION 31
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