Exam Questions 300-610

Designing Cisco Data Center Infrastructure (DCID)

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

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:

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
Which protocol prevents fiber failures from causing a Layer 2 loop in a dark fiber DCI?

A. BFD
B. UDLD

C. MCP
D. LLDP

Answer: B

NEW QUESTION 4
Refer to the exhibit.

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

===================================================
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 5
Refer to the exhibit.

Create vHBA Template

Name	:	
Description	:	
Fabric ID	:	● A ○ B

Redundancy

Redundancy Type : ● No Redundancy ○ Primary Template ○ Secondary Template
Select VSAN : default ▼   Create VSAN
Template Type : ● Initial Template ○ Updating Template
Max Data Field Size : 2048
WWPN Pool : Select (pool default used by default) ▼
QoS Policy : <not set> ▼
Pin Group : <not set> ▼
Stats Threshold Policy : default ▼

Which template is used when a vHBA template pair is created for a specific server that inherits its attributes from an existing template?

A. Secondary
B. Initial
C. Updating
D. Primary

Answer: B

NEW QUESTION 6
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 7
Which type fields can an engineer use to identify an iSCSI participant? (Choose two.)

A. type
B. preshared key
C. port number
D. identifying tag
E. hostname

Answer: CE

NEW QUESTION 8
Which type of encoding is used on 8-Gbps links as compared to 10-Gbps links?

A. 8-Gbps links use 64B/66B encoding, and 10-Gbps links use 8B/10B encoding.
B. 8-Gbps links use 8B/10B encoding, and 10-Gbps links use 64B/66B encoding.
C. 8-Gbps links and 10-Gbps links use 8B/10B encoding.
D. 8-Gbps links and 10-Gbps links use 64B/66B encoding.

Answer: B

NEW QUESTION 9
Which mode must be enabled on a Cisco UCS Fabric Interconnect to connect directly to a storage array?

A. NPIV mode
B. FC end-host mode
C. NPV mode
D. FC switching mode

Answer: D

Explanation:
Section: Storage Network Design

NEW QUESTION 10
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 10
Drag and drop the Cisco Nexus 7000 Series Switch resources from the left onto the correct groups on the right.
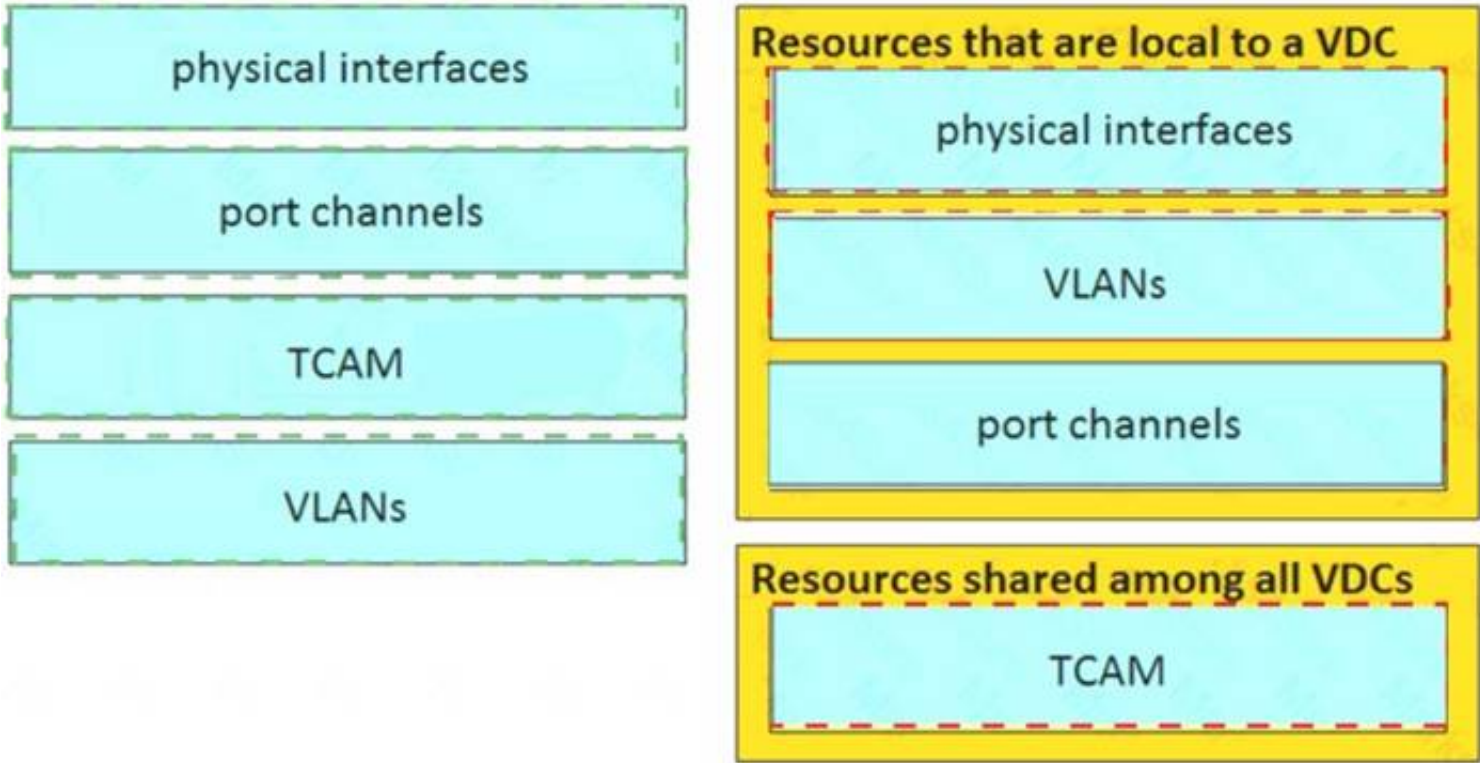
A. Mastered
B. Not Mastered

Answer: A

Explanation:

physical interfaces		Resources that are local to a VDC

physical interfaces

port channels

VLANs

TCAM

port channels

VLANs

Resources shared among all VDCs

TCAM

NEW QUESTION 14
Drag and drop the feature descriptions from the left onto the correct UCS Fabric Interconnect modes on the right.

Links are active-active.

MAC address learning occurs on the uplink ports.

STP runs on the uplink ports.

This is the default mode of operation.

End-Host Mode

Switch Mode

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Links are active-active.

MAC address learning occurs on the uplink ports.

STP runs on the uplink ports.

This is the default mode of operation.

End-Host Mode

Links are active-active.

MAC address learning occurs on the uplink ports.

Switch Mode

STP runs on the uplink ports.

This is the default mode of operation.

NEW QUESTION 15
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 18
What is an advantage of using OTV as compared to VPLS for data center redundancy?

A. prevents loops on point-to-point links
B. provides head-end replication
C. uses a proactive MAC advertisement
D. provides full-mesh connectivity

Answer: A

NEW QUESTION 20
Which address pool is used when a vHBA template is created?

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

Answer: B

NEW QUESTION 22
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 25
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.
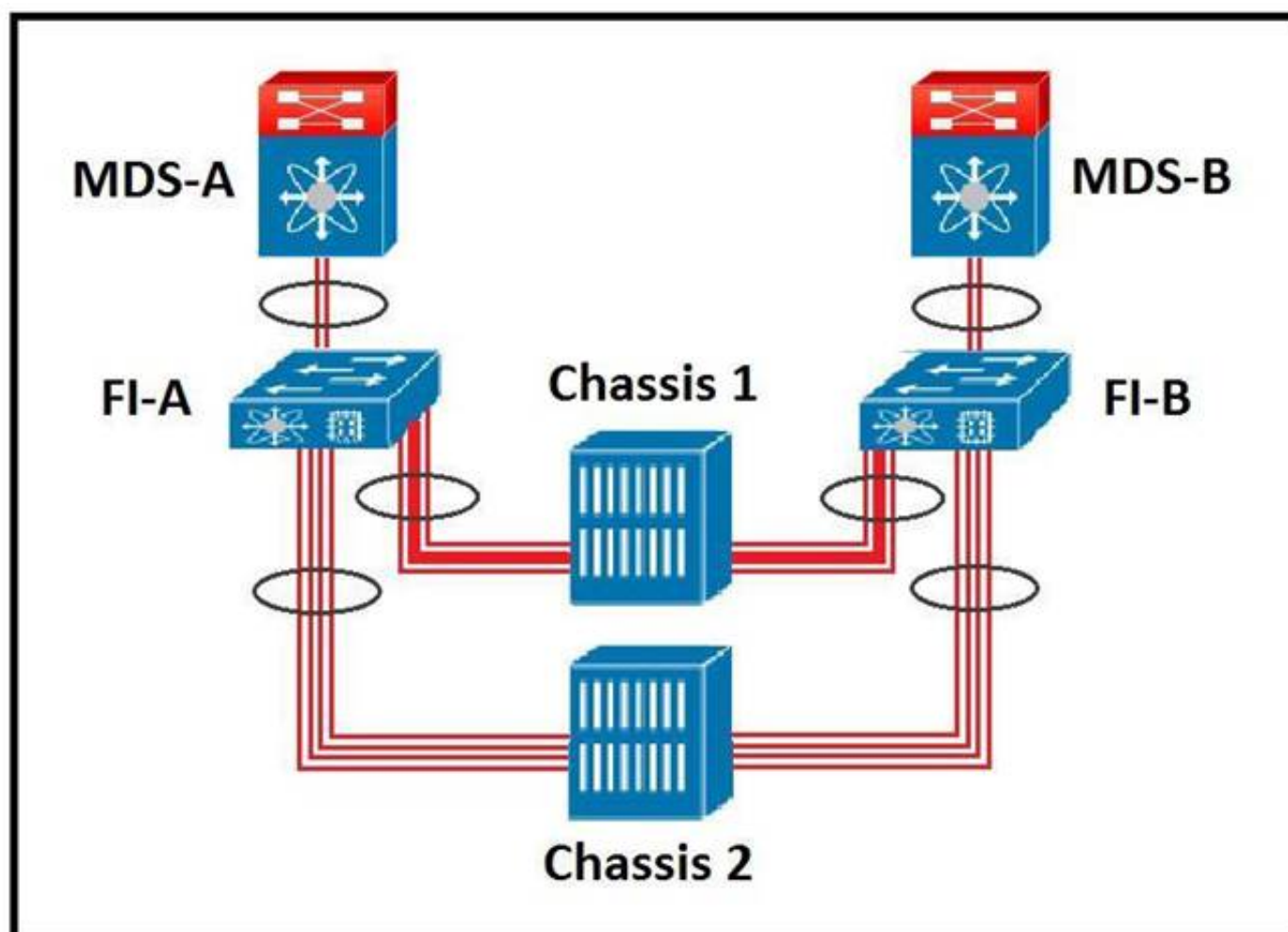
Answer: AB

NEW QUESTION 28
Which two naming formats identify target or initiator iSCSI nodes? (Choose two.)

A. WWPN
B. EUI
C. IQN
D. WWN
E. OUI

Answer: CD

NEW QUESTION 33
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 37
Which orchestration tool should be used for the management and analytics of servers across multiple sites?

A. Cisco Intersight
B. Cisco Nexus Fabric Manager
C. Cisco UCS Manager
D. Cisco Data Center Network Manager

Answer: A

NEW QUESTION 42
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 47
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 52
Which two configurations allow for routing traffic between two VDCs? (Choose two.)

A. Connect the VDCs to an external Layer 3 device.
B. Cross-connect the ports between the VDCs.
C. Create VRF-aware software infrastructure interfaces.
D. Create a policy map in the default VDC that routes traffic between the VDCs.
E. Create interfaces in the VDC that can be accessed by another VDC.

Answer: AD

NEW QUESTION 57
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