

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.

- Support tagging policies.
- Scrub disks on disassociation.
- Synchronize server power state.
- Create a utility partition on a SD card.
- Implement Hypervisor password policies.

Cisco Intersight Global Policy

Cisco UCS Manager Local Policy

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- Support tagging policies.
- Scrub disks on disassociation.
- Synchronize server power state.
- Create a utility partition on a SD card.
- Implement Hypervisor password policies.

Cisco Intersight Global Policy

Implement Hypervisor password policies.

Synchronize server power state.

Support tagging policies.

Cisco UCS Manager Local Policy

Scrub disks on disassociation.

Create a utility partition on a SD card.

NEW QUESTION 2

Which two types of service profile templates does Cisco UCS support? (Choose two.)

- A. initial
- B. permanent
- C. updating
- D. temporary
- E. connected

Answer: AC

NEW QUESTION 3

What is the disadvantage of asynchronous storage replication as compared to synchronous storage replication in a disaster recovery design?

- A. reduction in application performance

- B. distance limitations
- C. specific backup requirements
- D. potential data loss

Answer: D

NEW QUESTION 4

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 5

Refer to the exhibit.

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 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 8

Drag and drop the technologies from the left onto the correct descriptions on the right.

iSCSI	allows the storage system to tell the client which paths are optimized
TOE	provides block-level access to the storage
MPIO	host software has visibility into different iSCSI ports
ALUA	offloads device CPU from encapsulation / decapsulation

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

iSCSI	ALUA
TOE	iSCSI
MPIO	MPIO
ALUA	TOE

NEW QUESTION 9

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 10

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

Drag and drop the Cisco Nexus 7000 Series Switch resources from the left onto the correct groups on the right.

- physical interfaces
- port channels
- TCAM
- VLANs

Resources that are local to a VDC

Resources shared among all VDCs

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- physical interfaces
- port channels
- TCAM
- VLANs

Resources that are local to a VDC

- physical interfaces
- VLANs
- port channels

Resources shared among all VDCs

- TCAM

NEW QUESTION 15

Drag and drop the data center technologies from the left onto the correct descriptions on the right. Not all technologies are used.

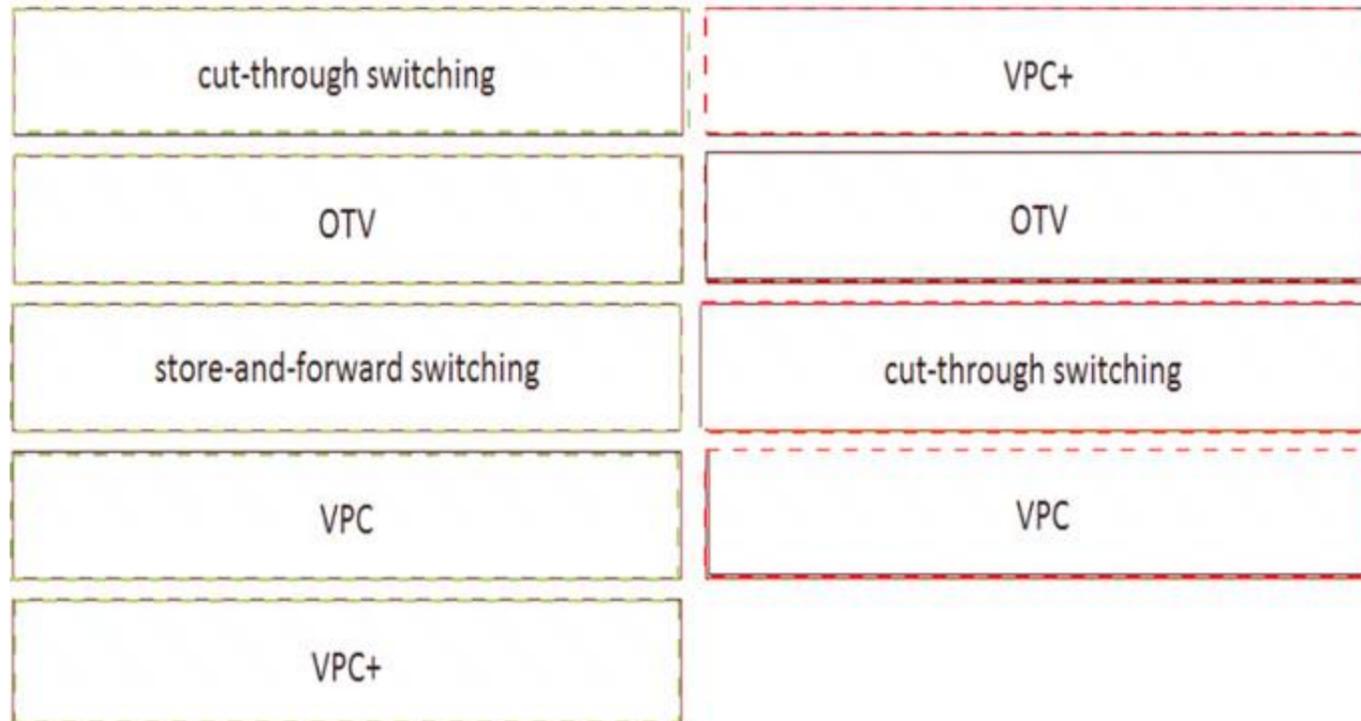
- cut-through switching
- OTV
- store-and-forward switching
- VPC
- VPC+

- connects a classical Ethernet vPC domain and a Cisco FabricPath cloud to interoperate
- extends Layer 2 domains across distributed data centers
- performs Layer 2 lookup as soon as the destination MAC is received
- two separate control planes, performs device aggregation

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 20

What are two reasons to select OTV as the DCI solution to connect multisite topologies? (Choose two.)

- A. It propagates hosts reachability without support of traffic flooding.
- B. Layer 3 failures do not propagate beyond the OTV edge device.
- C. It extends the spanning tree between data centers.
- D. It is an open standard.
- E. It constrains HSRP hello messages to each data center.

Answer: BC

NEW QUESTION 24

What are two functions of a Network Services Orchestrator in an NFV environment? (Choose two.)

- A. It operates at the resource-facing services layer and provides overall lifecycle management at the network service level.
- B. It provides an API-based northbound interface for transparent integration with systems that operate at the resource-facing services layer.
- C. It provides a standards-based southbound interface for transparent integration with systems that operate at the customer-facing services layer.
- D. It provides a standards-based northbound interface for transparent integration with systems that operate at the customer-facing services layer.
- E. It operates at the customer-facing services layer and provides the management interface for the virtual network devices.

Answer: AB

NEW QUESTION 29

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 33

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 37

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 38

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

Uses STP if UDLD information times out.	<div style="border: 1px solid purple; padding: 5px;"> <p>Normal Mode</p> <div style="border: 1px solid purple; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid purple; height: 20px; margin-bottom: 5px;"></div> </div> <div style="border: 1px solid purple; padding: 5px;"> <p>Aggressive Mode</p> <div style="border: 1px solid purple; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid purple; height: 20px; margin-bottom: 5px;"></div> </div>
Detects when a port is stuck.	
Disables a port that has a high error rate.	
Allows a port that has a high error rate.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Uses STP if UDLD information times out.	<div style="border: 1px solid purple; padding: 5px;"> <p>Normal Mode</p> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Uses STP if UDLD information times out.</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Allows a port that has a high error rate.</div> </div> <div style="border: 1px solid purple; padding: 5px;"> <p>Aggressive Mode</p> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Detects when a port is stuck.</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Disables a port that has a high error rate.</div> </div>
Detects when a port is stuck.	
Disables a port that has a high error rate.	
Allows a port that has a high error rate.	

NEW QUESTION 39

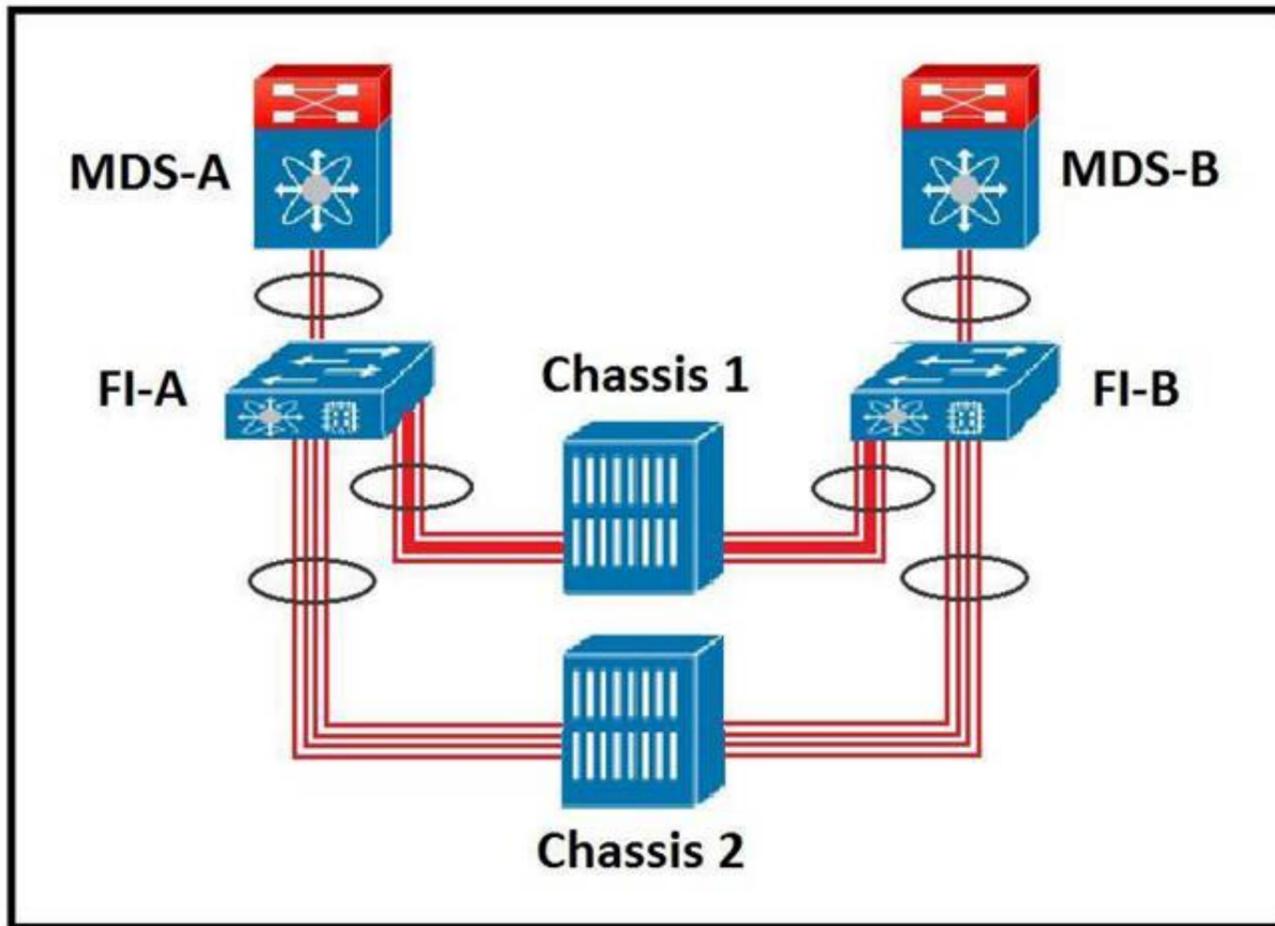
An engineer is designing a Multichassis EtherChannel topology in which two switches must appear as a single device to a third downstream switch? Which two technologies meet this requirement? (Choose two.)

- A. HSRP
- B. VSS
- C. vPC
- D. 802.1q
- E. FEX

Answer: BC

NEW QUESTION 44

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 48

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 52

Which factor determines the choice of platform designing a Cisco HyperFlex infrastructure to support computer-aided design applications?

- A. network speed
- B. GPU support
- C. storage capacity
- D. processor count

Answer: C

NEW QUESTION 55

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 56

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 58

Which authentication software natively runs within the CLI of Cisco NX-OS devices?

- A. Python
- B. Ansible
- C. Puppet
- D. Chef

Answer: B

NEW QUESTION 62

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