

300-610 Dumps

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.
- 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

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 3

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 4

Drag and drop the SAN components from the left onto the correct design considerations on the right.

fabric logins	used to logically separate a SAN fabric
ISL	must be considered for the end-to-end oversubscription ratio
VSAN	these exchanges increase as a result of server virtualization
zone	must be considered when implementing access control

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

fabric logins	VSAN
ISL	ISL
VSAN	fabric logins
zone	zone

NEW QUESTION 5

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 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 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 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.

physical interfaces

port channels

TCAM

VLANs

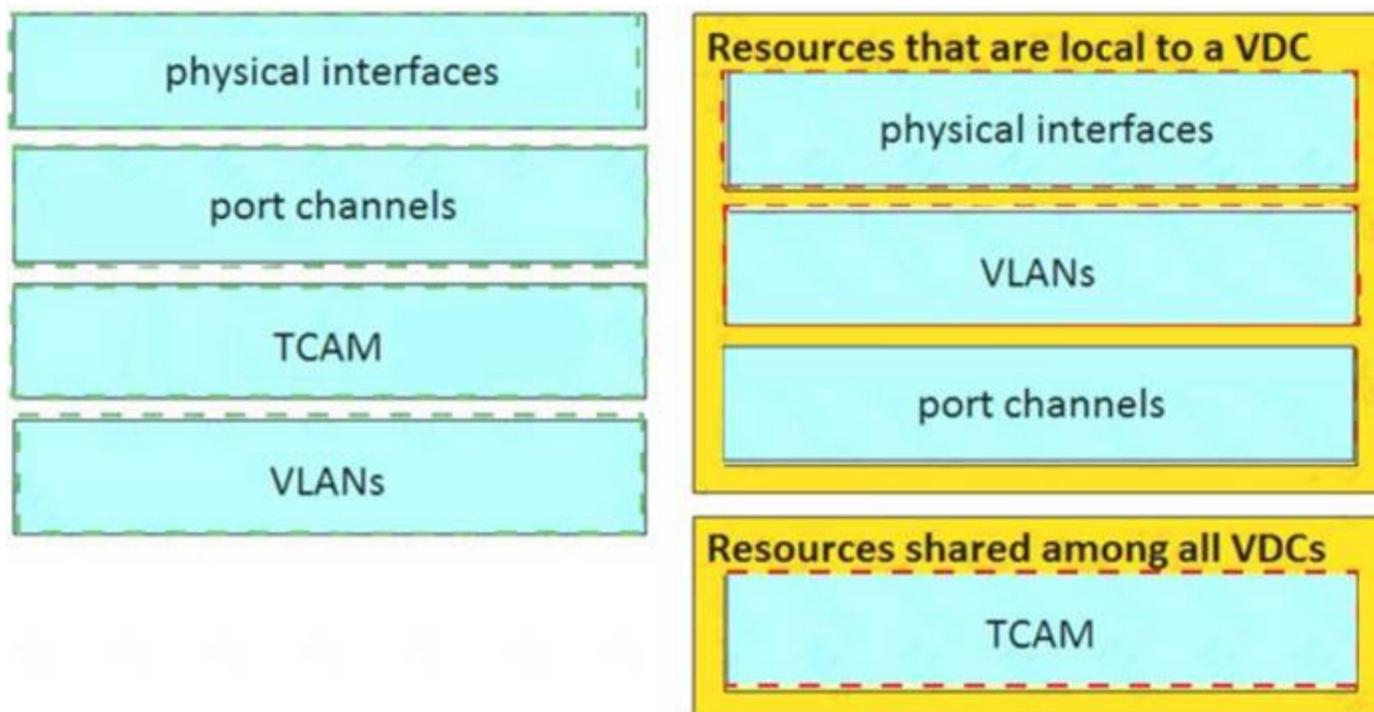
Resources that are local to a VDC

Resources shared among all VDCs

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 10

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 11

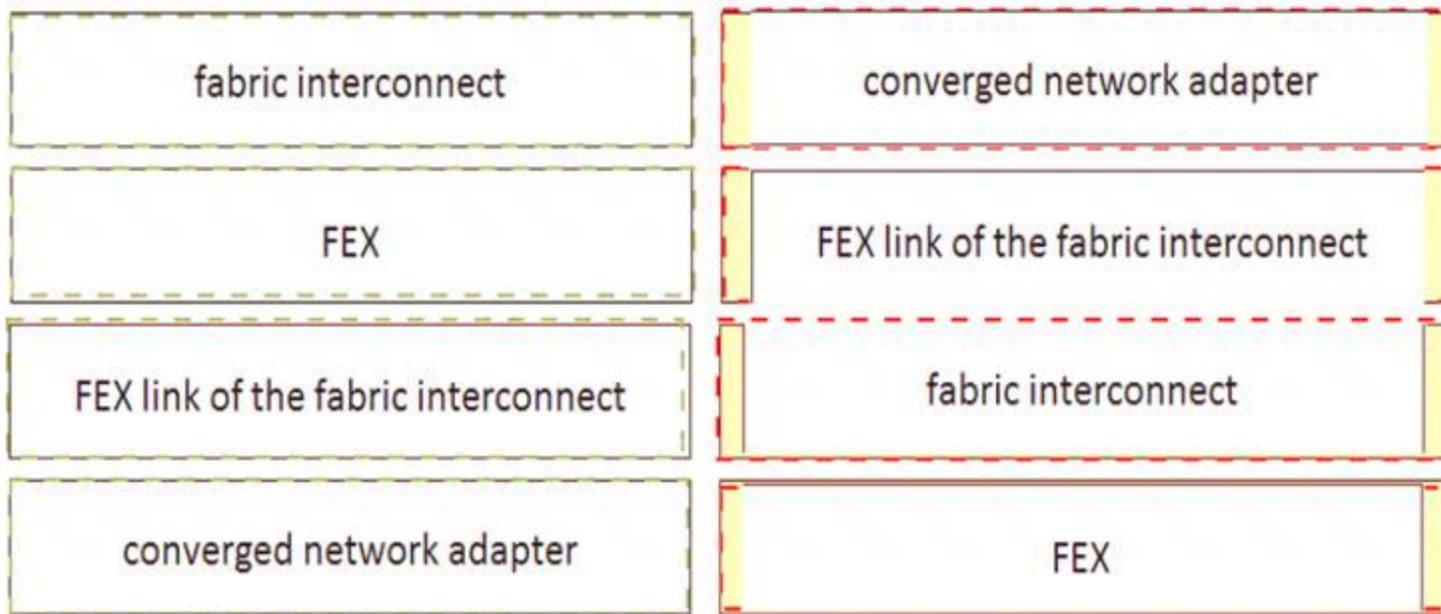
Drag and drop the components from the left onto the descriptions on the right that indicate what occurs to Fibre Channel fabric when that component fails.

fabric interconnect	The Fibre Channel fabric fails for all of the connected Cisco UCS chassis.
FEX	The Fibre Channel fabric fails for one Cisco UCS chassis.
FEX link of the fabric interconnect	The Fibre Channel fabric fails for some of the servers within a Cisco UCS chassis.
converged network adapter	The Fibre Channel fabric fails for one server.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 13

What are two characteristics of VRF-Lite on the Cisco NX-OS platform? (Choose two.)

- A. Layer 3 interfaces can belong to multiple VRFs.
- B. VRF-Lite interfaces can be Layer 2.
- C. Overlapping IP addresses are permitted on different VRFs.
- D. Interfaces that belong to VRFs can be physical or logical.
- E. VRF-Lite interfaces support MPLS.

Answer: CD

NEW QUESTION 15

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 17

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 two statements describe Ethernet switching mode on Cisco UCS 6100 Series Fabric Interconnects? (Choose two.)

- A. STP runs on the uplink ports of each VLAN, as defined by PVSTP+.
- B. STP runs on the uplink ports of each VLAN, as defined by MSTP.
- C. The STP parameter configuration is unsupported.
- D. The STP parameter configuration is supported.
- E. STP runs on the server ports.

Answer: AC

NEW QUESTION 27

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 31

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 35

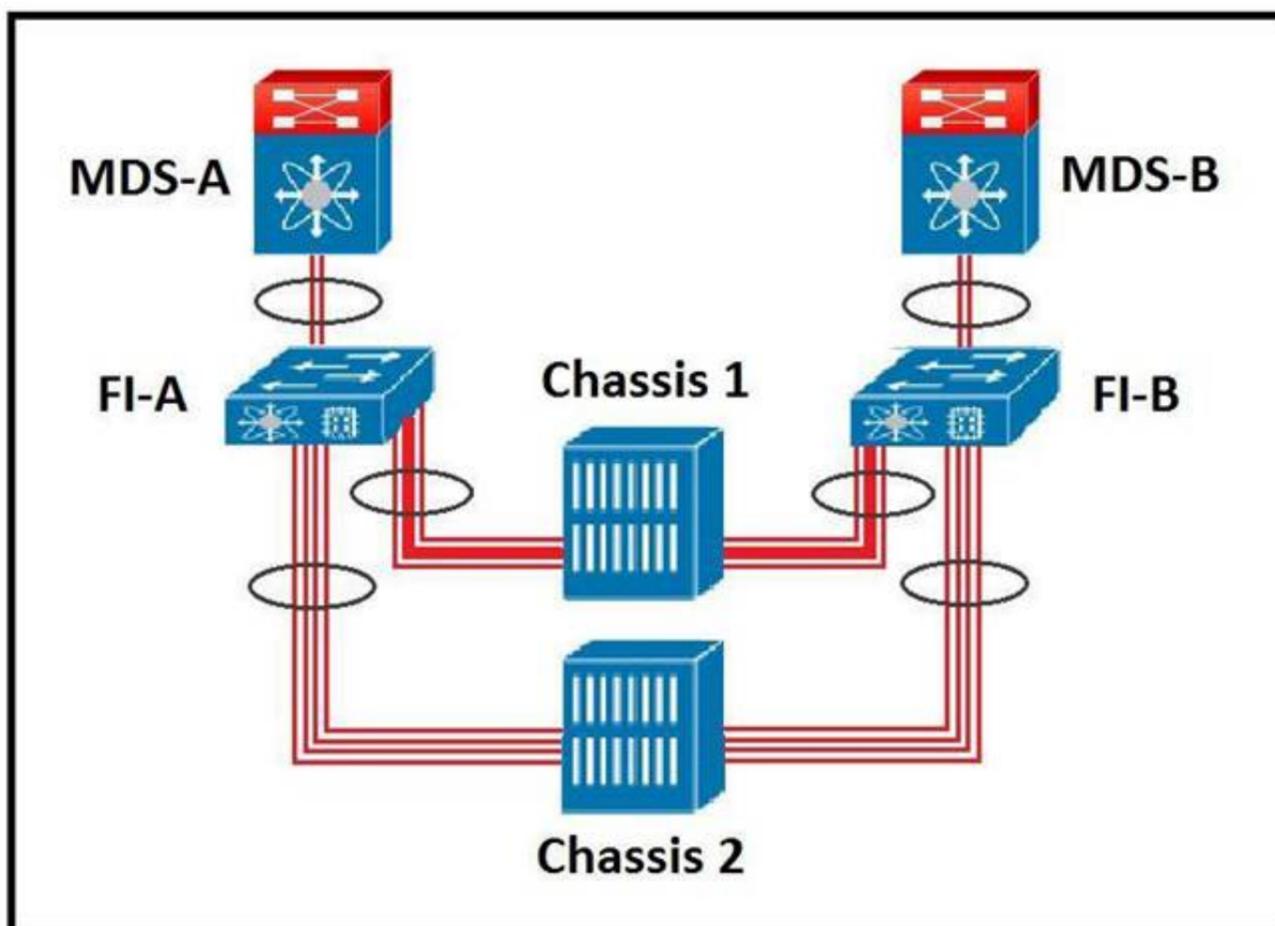
Which two features are provided by deploying an OOB management network in a Cisco Nexus data center? (Choose two.)

- A. Layer 3 path for monitoring purposes
- B. Layer 2 path for server traffic
- C. Layer 2 path for a vPC peer link
- D. Layer 3 path for vPC keepalive packets
- E. Layer 3 path for server traffic

Answer: BC

NEW QUESTION 36

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 39

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 40

Which two methods mitigate congestion in a SAN network? (Choose two.)

- A. Configure ER_RDY to allow splitting of each ISL between switches into separate virtual links.
- B. Use the port-monitor command to detect slow drain devices.
- C. Configure the port channel to enable individual buffer-to-buffer credits.

- D. Configure the port monitor to allow categorization of a specific device as slow.
- E. Configure the flow control for the FC to use R_RDY.

Answer: BD

NEW QUESTION 44

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 47

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 51

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 53

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 56

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 59

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 61

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