

Cisco

Exam Questions 300-610

Designing Cisco Data Center Infrastructure (DCID)



NEW QUESTION 1

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 2

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 3

A Cisco UCS instance has four interfaces on a UCS VIC. Where on the fabric interconnect does each interface terminate?

- A. vPC
- B. virtual interface
- C. port channel
- D. physical port

Answer: B

NEW QUESTION 4

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 5

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.

Solution:

fabric interconnect	converged network adapter
FEX	FEX link of the fabric interconnect
FEX link of the fabric interconnect	fabric interconnect
converged network adapter	FEX

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 6

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 7

Which address pool is used when a vHBA template is created?

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

Answer: B

NEW QUESTION 8

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 9

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

- Uses STP if UDLD information times out.
- Detects when a port is stuck.
- Disables a port that has a high error rate.
- Allows a port that has a high error rate.

Normal Mode

Aggressive Mode

Solution:

- Uses STP if UDLD information times out.
- Detects when a port is stuck.
- Disables a port that has a high error rate.
- Allows a port that has a high error rate.

Normal Mode

Uses STP if UDLD information times out.

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.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

NEW QUESTION 10

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 11

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 12

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 13

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