

# 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**

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**

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 6**

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 7**

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 8**

Which two configurations are available by using a service profile template in Cisco UCS Manager? (Choose two.)

- A. number of vHBAs
- B. ARP entries
- C. UUID assignment
- D. VXLAN membership
- E. target server

**Answer:** AC

**NEW QUESTION 9**

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 10**

Which technology enables Layer 2 extension between remote data center sites?

- A. FCIP
- B. GRE
- C. DMVPN
- D. OTV

**Answer:** D

**NEW QUESTION 10**

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.

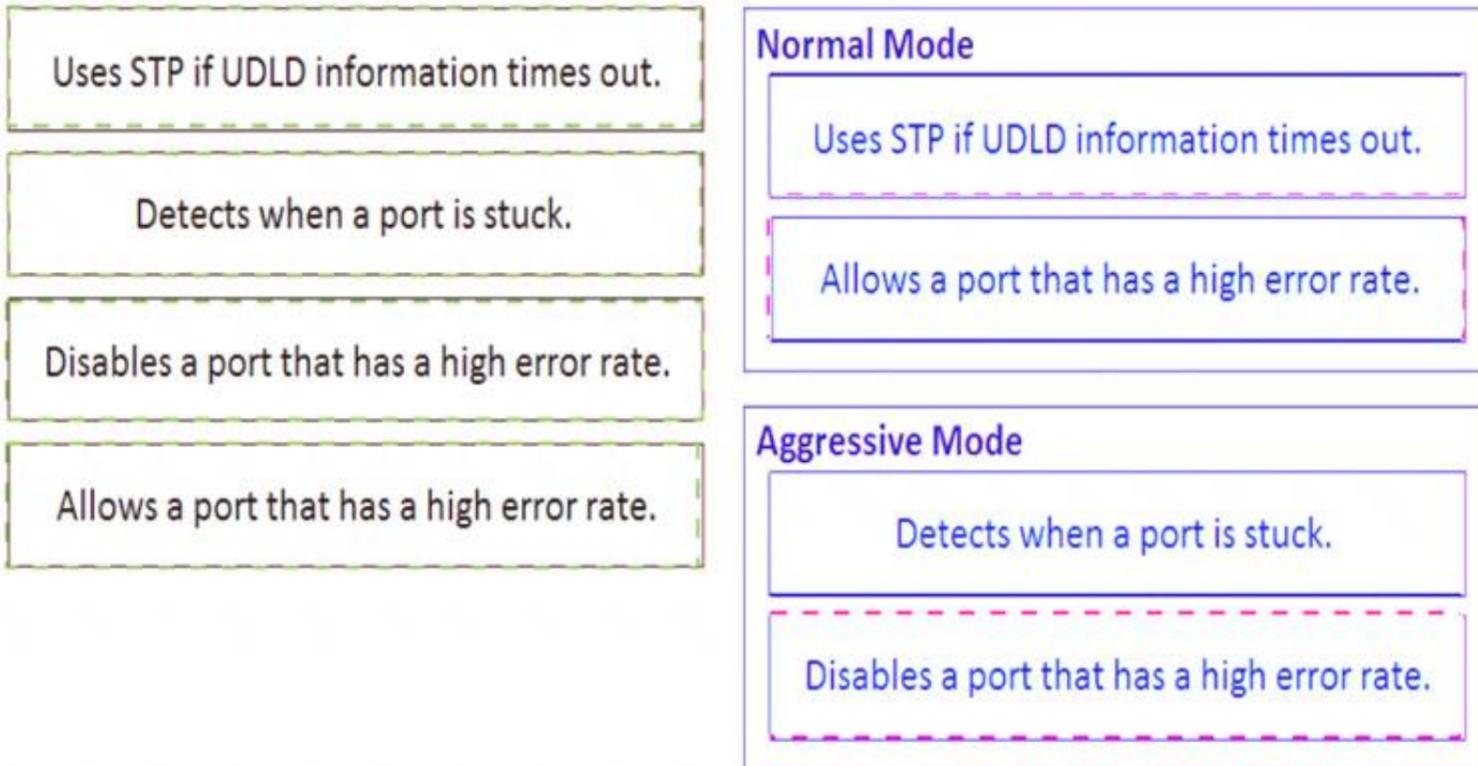
**Normal Mode**

**Aggressive Mode**

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 11**

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 12**

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 14**

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 15**

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 17**

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