

# 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**

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**

The management of the Cisco Nexus switches is provided over an isolated out-of-band network. The VDC feature is configured on the Cisco Nexus core switches. How is out-of-band management access provided for each VDC?

- A. All the VDC have the same out-of-band IP address.
- B. Each VDC has a dedicated out-of-band Ethernet management port.
- C. Each VDC has a unique out-of-band IP address from the same IP subnet.
- D. Each VDC has a unique out-of-band IP address from different IP subnets among VDCs.

Answer: C

**NEW QUESTION 5**

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 6**

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 7**

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

Links are active-active.	<b>End-Host Mode</b>   
MAC address learning occurs on the uplink ports.	
STP runs on the uplink ports.	<b>Switch Mode</b>   
This is the default mode of operation.	

- 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 8**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 9**

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 10**

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:**

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

**NEW QUESTION 10**

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 11**

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

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

**Answer:** B

**NEW QUESTION 16**

Which approach splits a pair of clustered fabric interconnects into two standalone devices?

- A. Run the disable fips-mode command on each fabric interconnect.
- B. Run the connect local-management command on each fabric interconnect.
- C. Erase the configuration of both fabric interconnects.
- D. Unplug the Layer 1 and Layer 2 interfaces between the devices.

**Answer:** D

**NEW QUESTION 18**

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 19**

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

Uses STP if UDLD information times out.	<b>Normal Mode</b> <div style="border: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 40px;"></div>
Detects when a port is stuck.	
Disables a port that has a high error rate.	<b>Aggressive Mode</b> <div style="border: 1px solid black; height: 40px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 40px;"></div>
Allows a port that has a high error rate.	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

- 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.

#### NEW QUESTION 21

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 22

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