

# Cisco

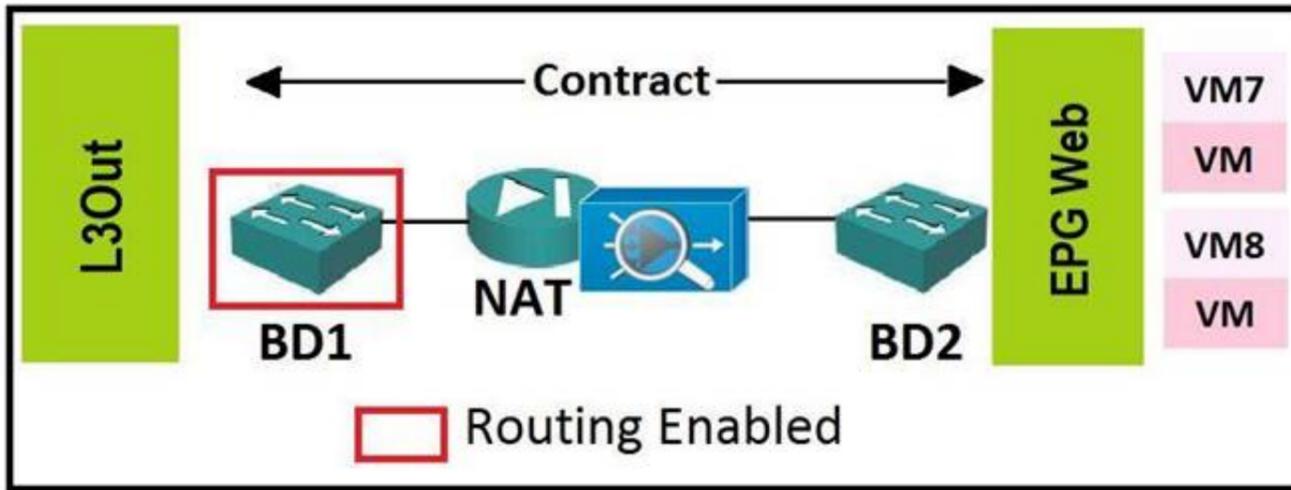
## Exam Questions 300-610

Designing Cisco Data Center Infrastructure (DCID)



**NEW QUESTION 1**

Refer to the exhibit.



What must be the default gateway of the servers in EPG Web?

- A. subnet address of BD1
- B. subnet address of L3Out
- C. subnet address of BD2
- D. NAT appliance

**Answer: D**

**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**

Refer to the exhibit.

The screenshot shows the 'Create vHBA Template' configuration interface. It includes the following fields and options:

- Name:** Text input field.
- Description:** Text input field.
- Fabric ID:** Radio buttons for 'A' (selected) and 'B'.
- Redundancy:** Section containing radio buttons for 'No Redundancy' (selected), 'Primary Template', and 'Secondary Template'.
- Select VSAN:** Dropdown menu with 'default' selected and a 'Create VSAN' button.
- Template Type:** Radio buttons for 'Initial Template' (selected) and 'Updating Template'.
- Max Data Field Size:** Text input field with '2048' entered.
- WWPN Pool:** Dropdown menu with 'Select (pool default used by default)' selected.
- QoS Policy:** Dropdown menu with '<not set>' selected.
- Pin Group:** Dropdown menu with '<not set>' selected.
- Stats Threshold Policy:** Dropdown menu with 'default' selected.

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 5**

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 6**

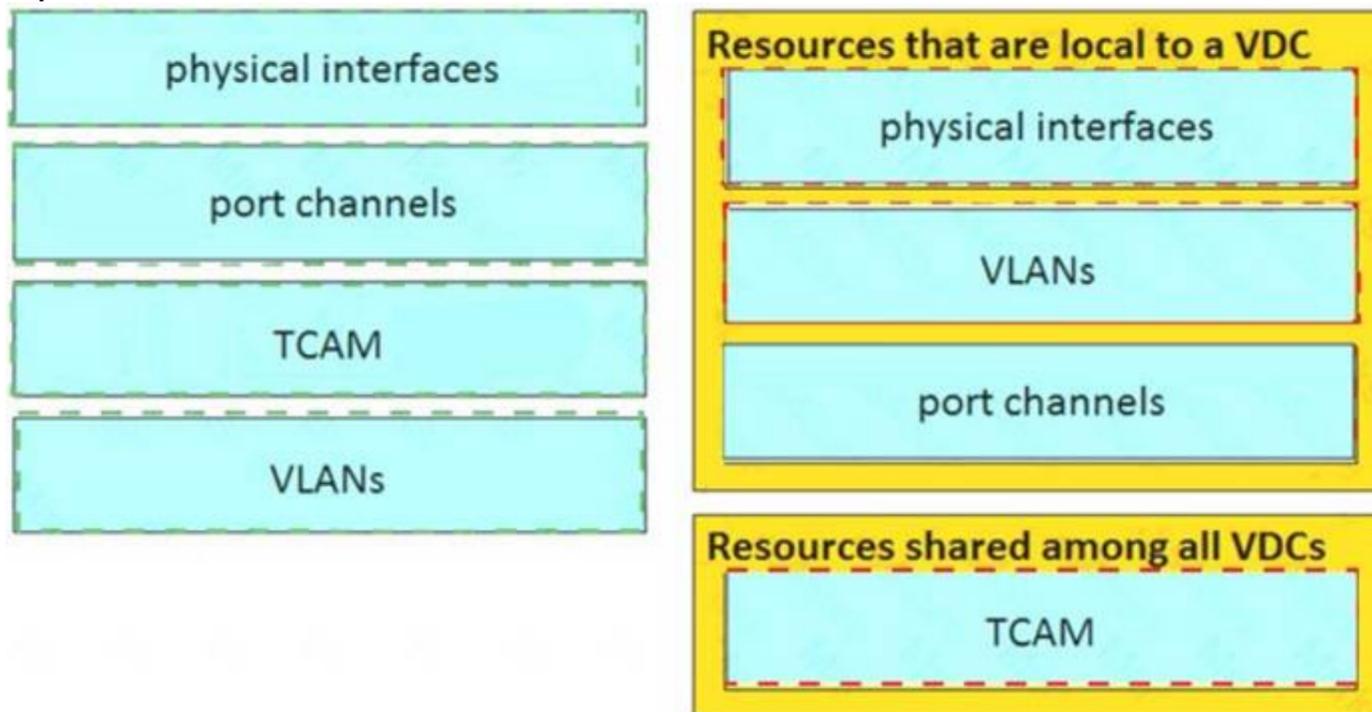
Drag and drop the Cisco Nexus 7000 Series Switch resources from the left onto the correct groups on the right.

physical interfaces	<b>Resources that are local to a VDC</b> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div>
port channels	
TCAM	
VLANs	
	<b>Resources shared among all VDCs</b> <div style="border: 1px solid black; height: 20px; margin-bottom: 5px;"></div>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**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**

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 9**

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 10**

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 10**

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

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

D. OTV

Answer: D

**NEW QUESTION 11**

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 13**

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>   
Detects when a port is stuck.	
Disables a port that has a high error rate.	<b>Aggressive Mode</b>   
Allows a port that has a high error rate.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Uses STP if UDLD information times out.	<b>Normal Mode</b>  Uses STP if UDLD information times out.  Allows a port that has a high error rate.
Detects when a port is stuck.	
Disables a port that has a high error rate.	<b>Aggressive Mode</b>  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 17**

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 19**

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