



# 300-610<sup>Q&As</sup>

Designing Cisco Data Center Infrastructure (DCID)

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### QUESTION 1

DRAG DROP

A failure occurs on the network between two BFD and OSPF neighbors. Drag and drop the protocol actions from the left into the correct order on the right.

Select and Place:

BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.	step 1
If an alternate path is available, routers immediately start converging on it.	Step 2
The BFD neighboring session with the OSPF peer is terminated.	Step 3
The local OSPF process tears down the OSPF neighbor relationship.	Step 4

Correct Answer:

	The BFD neighboring session with the OSPF peer is terminated.
	BFD notifies the local OSPF process that the BFD neighbor is no longer reachable.
	The local OSPF process tears down the OSPF neighbor relationship.
	If an alternate path is available, routers immediately start converging on it.

Reference: [https://www.cisco.com/c/en/us/td/docs/ios/12\\_0s/feature/guide/fs\\_bfd.html#wp1238898](https://www.cisco.com/c/en/us/td/docs/ios/12_0s/feature/guide/fs_bfd.html#wp1238898)

### QUESTION 2

An engineer deploys VMware ESXi hypervisor on blade servers. The virtual networking is managed by Cisco Nexus 1000V Series Switches.

Which configuration aligns with Cisco recommended practices for providing high availability and a maximum throughput to the VMware ESXi hosts?



- A. dual vNICs with static EtherChannel link aggregation
- B. dual vNICs with hardware fabric failover on the fabric interconnects
- C. dual vNICs with MAC pinning link aggregation
- D. dual vNICs with LACP link aggregation

Correct Answer: D

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### QUESTION 3

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.

Correct Answer: AB

The Cisco NX-OS software does not support direct communication between VDCs on a single physical device. You must make a physical connection from a port allocated to one VDC to a port allocated to the other VDC to allow the VDCs to communicate.

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### QUESTION 4

Refer to the exhibit.

```
class-map class_af11
  match dscp af11
  exit
policy-map type qos policy_af11
  class class_af11
    set dscp 14
  police cir 10 ms bc 1 mbs conform transmit violate drop
```

An engineer is configuring a QoS policy with these requirements

1.

Match-all AF11 traffic and set it to a DSCP value of 14.



2.

The committed rate must be 10 Mbps with a committed burst rate of 1000 ms

3.

Drop any AF11 traffic that violates these settings.

4.

Any traffic other than af11 must have a DSCP value of 0

The given class-map configuration already exists.

Which solution must the engineer use to meet the requirements?

A. policy-map type qos policy\_af11 class class-other match dscp 0

B. policy-map type qos policy\_af11 class class-af11 match other set dscp 0

C. policy-map type qos policy\_af11 class class-default set dscp 0

D. policy-map type qos policy\_af11 class class\_af11 set dscp 0

Correct Answer: C

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## QUESTION 5

A cloud service provider is managing day-2 operations of over 200 blade servers installed in the Cisco UCS environment. This pool of network resources is providing virtual networks to their customers. To successfully operate this environment, frequent changes to vNICs and other operational policies are required across multiple UCS domains. The operations team must streamline these repetitive tasks.

Which orchestration tool must be used to meet this requirement?

A. Cisco ACI Multisite Orchestrator

B. Cisco DAN Center

C. Cisco UCS Director

D. Cisco UCS Manager

Correct Answer: A