



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

Designing Cisco Data Center Infrastructure (DCID)

## Pass Cisco 300-610 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.geekcert.com/300-610.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco  
Official Exam Center

- ⚙️ **Instant Download** After Purchase
- ⚙️ **100% Money Back** Guarantee
- ⚙️ **365 Days** Free Update
- ⚙️ **800,000+** Satisfied Customers





### QUESTION 1

An engineer must design a VXLAN EVPN network. The solution should optimize broadcast, unknown unicast, and multicast (BUM) and short BUM replication, and use PIM anycast RP.

Which solution should be included in the design?

- A. PIM sparse mode
- B. ingress replication
- C. head-end replication
- D. PIM dense mode

Correct Answer: A

[https://www.cisco.com/c/en/us/td/docs/ios/solutions\\_docs/ip\\_multicast/White\\_papers/anycast.html](https://www.cisco.com/c/en/us/td/docs/ios/solutions_docs/ip_multicast/White_papers/anycast.html)

---

### QUESTION 2

An engineer must design a solution based on Cisco Nexus 7709 Switches. The solution must connect test and development network segments and separate the enterprise applications from the production network. The network security team requires routing instances and the IP stack to be completely separated from each other and for traffic between the environments to undergo a deep packet inspection. The development team also requests the ability to allocate additional physical interfaces from the Cisco Nexus 7709 device in each environment.

Which solution meets these requirements?

- A. 1. Create a VRF for the testing and development environments.  
2. Use ACLs to control traffic between the two environments.
- B. 1. Enable new routing instances for the testing and development environments in the same VDC.  
2. Control reachability by using firewall access policies.
- C. 1. Assign a separate VDC for the testing and development environments.  
2. Place a firewall between the VDCs.
- D. 1. Create a separate VRF for the testing and development environments.  
2. Control reachability by using firewall access policies.

Correct Answer: C

---

### QUESTION 3



---

What is a design consideration when implementing FSPF?

- A. Routes are based on the domain ID.
- B. Routes are based on the distance vector protocol.
- C. FSPF runs only on F Ports.
- D. FSPF runs on a per-chassis basis.

Correct Answer: A

Domain ID: The domain ID is assigned to each FC switch in a fabric and is unique to that switch. Because the upper FCIDs are reserved for various FC fabric services, such as 0xFFFFF for broadcast and 0xFFFFC for name server, the domain ID field restricts the maximum number of FC switches that can be connected in a fabric or VSAN to 239. Routing decisions are made based on domain ID bits of FCID

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5\\_0/configuration/guides/fabric/nxos/cli\\_fabric/fspf.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/5_0/configuration/guides/fabric/nxos/cli_fabric/fspf.html)

---

#### QUESTION 4

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

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

Correct Answer: D

Reference: <https://netcraftsmen.com/spanning-layer-2-between-data-centers/>

---

#### QUESTION 5

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.

Correct Answer: AE

OTV introduces the concept of "MAC routing," [...] it is justified by the need to limit flooding of Layer 2 traffic across the



transport infrastructure.

The last capability introduced by OTV is to filter First Hop Redundancy Protocol (FHRP—HSRP, VRRP, and so on) messages across the logical overlay.

[https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data\\_Center/DCI/whitepaper/DCI3\\_OTV\\_Intro/DCI\\_1.html](https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Data_Center/DCI/whitepaper/DCI3_OTV_Intro/DCI_1.html)

[300-610 VCE Dumps](#)

[300-610 Practice Test](#)

[300-610 Exam Questions](#)