



# 300-615<sup>Q&As</sup>

Troubleshooting Cisco Data Center Infrastructure (DCIT)

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### QUESTION 1

You are configuring a Cisco Nexus 9000 Series Switch. Which configuration can be implemented for VXLAN BGP EVPN?

- A. VXLAN BGP EVPN by using an NVE interface in a default VRF
- B. RACLs on the Layer 3 uplinks for the VXLAN traffic
- C. QoS classification for the VXLAN traffic on all of the interfaces
- D. DHCP snooping on the VXLAN VLANs

Correct Answer: A

### QUESTION 2

Refer to the exhibit.

```
N9K# show hardware rate-limiter span-egress
```

Units for Config: kilo bits per second  
Allowed, Dropped & Total: aggregated since last clear counters

Module: 1				
R-L Class	Config	Allowed	Dropped	Total
span-egress	100	98	50	148

A client is reporting packet drops destined for the call recording server connected to Cisco Nexus 9000 Series Switch. Which action resolves the issue?

- A. Increase the MTU size on the Ethernet interface connected to the recording server.
- B. Increase the TCAM hardware rate limit.
- C. Increase the TCAM resources on the switch.
- D. Increase the rate limit on the Ethernet interface connected to the recording server.

Correct Answer: D

### QUESTION 3



A network engineer must connect a Cisco UCS rcluster to the Cisco ACI. VMware ESXi hypervisors have been installed on Cisco UCS blades and a VMware VMM domain has been configured. However, virtual machines fail to reach their default gateway in the Cisco ACI Fabric. The engineer investigates the issue and notices that the VMware Distributed Switch (VDS) teaming policy is set to "Route based on IP hash". Which action resolves the issue?

- A. Disable the VMware Network I/O Control on the VDS.
- B. Configure the vSwitch Policy on a VDS.
- C. Disable the On-demand EPG resolution immediacy setting in ACI.
- D. Configure the vSwitch Policy on the VMM domain.

Correct Answer: B

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#### QUESTION 4

Refer to the exhibit.



```
Switch-1# show bgp l2vpn evpn neighbors 192.168.0.7
BGP neighbor is 192.168.0.7, remote AS 65000, ibgp link, Peer index 4
  BGP version 4, remote router ID 192.168.0.7
  BGP state = Established, up for 00:01:26
  Using loopback0 as update source for this peer
  Last read 00:00:27, hold time = 180, keepalive interval is 60 seconds
  Last written 00:00:25, keepalive timer expiry due 00:00:34
  Received 93 messages, 4 notifications, 0 bytes in queue
  Sent 87 messages, 2 notifications, 0(0) bytes in queue
  Connections established 7, dropped 6
  Last reset by peer 00:01:37, due to session cleared
  Last reset by us 00:01:55, due to session cleared

Neighbor capabilities:
  Dynamic capability: advertised (mp, refresh, gr) received (mp, refresh, gr)
  Dynamic capability (old): advertised received
  Route refresh capability (new): advertised received
  Route refresh capability (old): advertised received
  4-Byte AS capability: advertised received
  Address family IPv4 Unicast: received
  Address family L2VPN EVPN: advertised received
  Graceful Restart capability: advertised received

**** Output Removed ****

For address family: L2VPN EVPN
  BGP table version 201, neighbor version 201
  2 accepted prefixes (2 paths), consuming 440 bytes of memory
  2 sent prefixes (2 paths)
  Community attribute sent to this neighbor
  Third-party Nexthop will not be computed.
  Advertise GW IP is enabled
  Last End-of-RIB sent 00:00:01 after session start
  First convergence 00:00:01 after session start with 2 routes sent

Local host: 192.168.0.10, Local port: 15106
Foreign host: 192.168.0.7, Foreign port: 179
fd = 73
```

An engineer configures EVPN on Switch-1. but the neighbors fail to exchange EVPN routes. Which action resolves the issue?

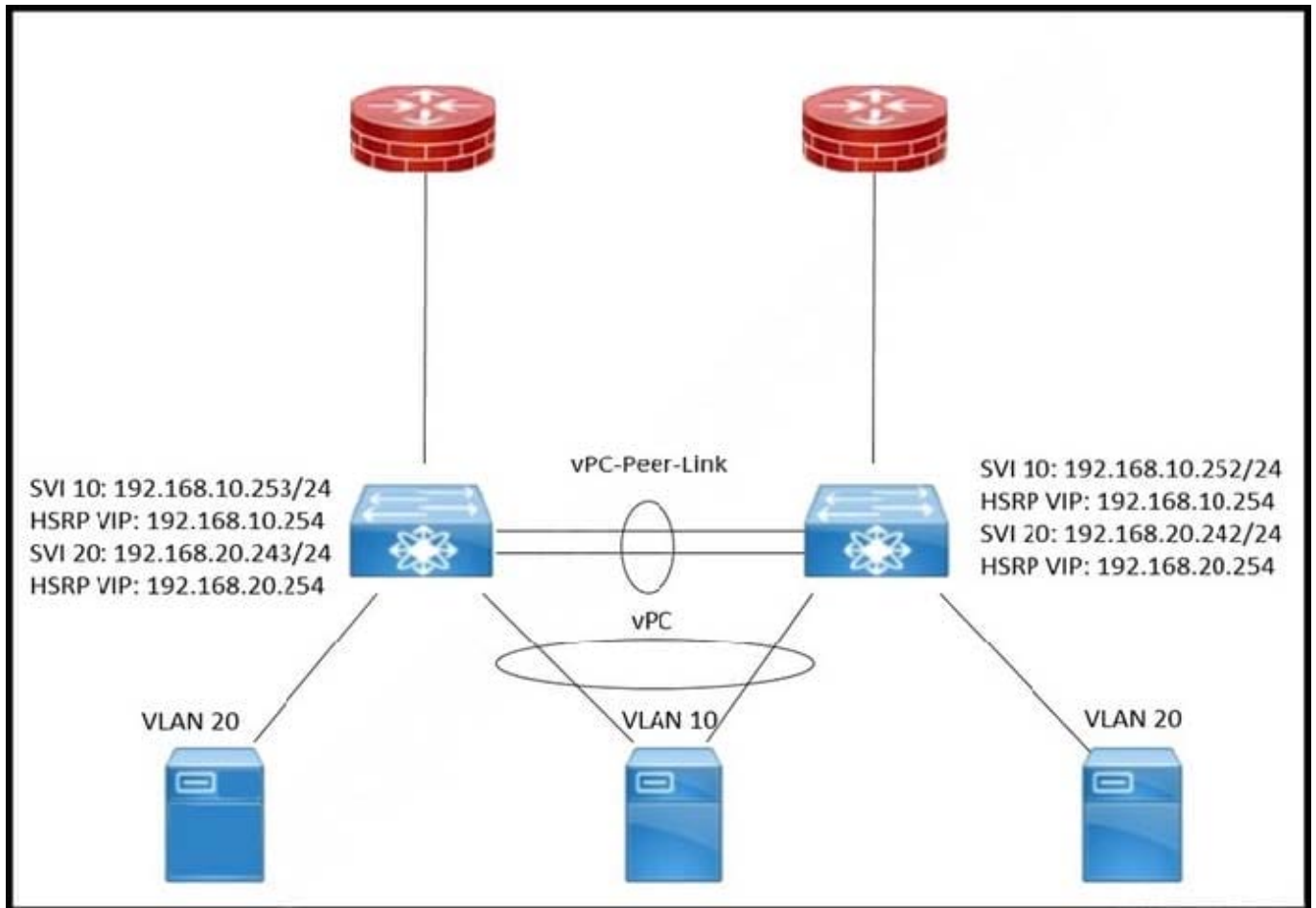
- A. Configure neighbor 192.168.0.7 as an L2VPN EVPN route-reflector client.
- B. Activate the IPv4 unicast address family for neighbor 192.168.0.7.
- C. Enable the send extended community option for the L2VPN EVPN address family.
- D. Advertise L2VPN EVPN under the IPv4 unicast address family.

Correct Answer: C



## QUESTION 5

Refer to the exhibit.



An engineer discovers that if the vPC peer link goes down, half of the devices in VLAN 20 experience connectivity issues with the external networks. Which action resolves the issue?

- A. Configure a dedicated Layer 3 link between vPC peers
- B. Allow non-vPC VLANs on a second trunk between the two vPC peers
- C. Add the non-vPC SVIs in the dual-active exclude VLAN list
- D. Exclude the non-vPC VLANs from vPC peer link

Correct Answer: B

Reference: [https://www.cisco.com/c/dam/en/us/td/docs/switches/datacenter/sw/design/vpc\\_design/vpc\\_best\\_practices\\_design\\_guide.pdf](https://www.cisco.com/c/dam/en/us/td/docs/switches/datacenter/sw/design/vpc_design/vpc_best_practices_design_guide.pdf)