



**Cisco**

**300-615 Exam**

**Troubleshooting Cisco Data Center Infrastructure**

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# Version: 17.0

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**Question: 1**

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A vPC Type-1 inconsistency between two vPC peers in a VXLAN EVPN setup is discovered. Which two actions need to be attempted to resolve the issue? (Choose two.)

- A. Configure the NVE interfaces to be Up on both switches.
- B. Set a different distributed gateway virtual MAC address.
- C. Set a different secondary IP addresses on NVE source-interface.
- D. Configure the same VNI to multicast group mapping.
- E. Set a different primary IP addresses on NVE source-interface.

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**Answer: AD**

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Explanation:

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**Question: 2**

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A mission-critical server is connected to site

A. Connectivity to this server is lost from site B because the MAC route is missing in the OTV VDC of the Nexus 7000 in site B due to MAC aging. Which action allows the flooding of the unknown unicast MAC on the Nexus 7000 in the OTV VDC?

- A. Use route-map to advertise this MAC statically and redistribute with ISIS.

- B. Unknown unicast flooding is not allowed.
- C. Use the `otv flood mac <>` command to selectively flood traffic for a given MAC.
- D. Use the `otv isis bfd <>` command to configure BFD protocol.

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**Answer: C**

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Explanation:

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**Question: 3**

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Refer to the exhibit.

```
Switch-B# show vpc
vPC domain id: 34
Peer status : peer adjacency formed ok
vPC keep-alive status : peer is alive
Configuration consistency status : success
Per-vlan consistency status : success
Type-2 consistency status : success
vPC role : primary, operational secondary
Number of vPCs configured : 49
Peer Gateway : Enabled
Peer gateway excluded VLANs: -
Dual-active excluded VLANs : -
Graceful Consistency Check: Enabled
Auto-recovery status: Enabled (timeout = 240 seconds)
```

After a failover occurs, which two actions must be performed on Switch-B to manually preempt the operational primary role back to Switch-A? (Choose two.)

- A. Configure the local vPC role priority to have a lower value than Switch-A.
- B. Configure the local vPC role priority to have a higher value than Switch-A.
- C. Disable and then re-enable the vPC peer-keepalive link.
- D. Configure the local vPC role priority to have the same value as Switch-A.
- E. Disable and then re-enable the vPC peer link.

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**Answer: B, E**

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Explanation:

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### Question: 4

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Refer to the exhibit.

```
Debug messages from Router-A
OSPF: Rcv DBD from 10.100.1.2 on GigabitEthernet0/1 seq 0x2124 opt 0x52 flag 0x2
      len 1452 mtu 2000 state EXSTART
OSPF: Nbr 10.100.1.2 has larger interface MTU
SPF: Send DBD to 10.100.1.2 on GigabitEthernet0/1 seq 0x9E6 opt 0x52 flag 0x7
      len 32
OSPF: Retransmitting DBD to 10.100.1.2 on GigabitEthernet0/1 [10]
OSPF: Send DBD to 10.100.1.2 on GigabitEthernet0/1 seq 0x9E6 opt 0x52 flag 0x7
      len 32
OSPF Retransmitting DBD to 10.100.1.2 on GigabitEthernet0/1[11]
%OSPF-5-ADJCHG: Process 1, Nbr 10.100.1.2 on GigabitEthernet0/1 from EXSTART to
      DOWN, Neighbor Down: Too many retransmissions

Debug messages from Router-B
OSPF: Rev DBD from 10.100.100.1 on GigabitEthernet0/1 seq 0x89E opt 0x52 flag 0x7
      len 32 mtu 1600 state EXCHANGE
OSPF: Nbr 10.100.100.1 has smaller interface MTU
```

An OSPF adjacency between Router-A and Router-B cannot reach the FULL state. Which action resolves the issue?

- A. Adjust the MTU on Router-A to 1600.
- B. Disable the check of the MTU value.
- C. Set the OSPF media type to point-to-point.
- D. Adjust the MTU on Router-B to 1604.

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**Answer: B**

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Explanation:

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**Question: 5**

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The Cisco Nexus switch is connected to a peer switch that is not running Cisco NX-OS. The switches are connected using port channel and are experiencing packet loss. Which action should be performed on the Cisco Nexus switch ports to resolve this issue?

- A. Turn on lACP suspend-individual.
- B. Turn on lACP graceful-convergence.
- C. Turn off lACP graceful-convergence.
- D. Turn off lACP suspend-individual.

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**Answer: C**

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