



300-165^{Q&As}

Implementing Cisco Data Center Infrastructure

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QUESTION 1

```
N7K-1(config)# feature vpc N7K-1(config)# vpc domain 113 N7K-1(config-vpc-domain)# peer-gateway N7K-1(config-vpc-domain)#
```

```
N7K-2(config)# feature vpc N7K-2(config)# vpc domain 113 N7K-2(config-vpc-domain)# peer-gateway N7K-2(config-vpc-domain)#
```

Refer to the exhibit. What is the consequence of configuring peer-gateway on the two vPC peers N7K-1 and N7K-2?

- A. The downstream device detects only one of the vPC peers as its gateway.
- B. This configuration enables the downstream device to use DHCP to obtain its default gateway.
- C. Nothing, this is the standard vPC configuration to make the feature work.
- D. The downstream device can use DMAC of N7K-1 on the link to N7K-2, and N7K-2 forwards the packet.

Correct Answer: D

QUESTION 2

You plan to implement the OSPF protocol within the data center network. Which two statements accurately describe OSPF on the Cisco NX-OS platform? (Choose two.)

- A. The default reference bandwidth is 10 Gbps.
- B. OSPF does not require additional licenses.
- C. The OSPF area can be configured by using decimal notation only.
- D. Redistributing routes into OSPF requires a route map.
- E. The secondary IP address is advertised by default.

Correct Answer: DE

Reference: http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_2/nx-os/unicast/configuration/guide/l3_cli_nxos/l3_ospf.html#74830

QUESTION 3

```
N7k-1# show running-config fabricpath
...
fabricpath switch-id 11
vpc domain 11
  fabricpath switch-id 1100
```



Refer to the exhibit. You have a Cisco Nexus 7010 switch named N7k-1.

Which command set should you run on a neighboring Cisco Nexus 7010 switch to establish a vPC+ environment that includes N7k-1?

- A. fabricpath switch-id 11 vpc domain 11 fabricpath switch-id 1100
- B. fabricpath switch-id 12 vpc domain 11 fabricpath switch-id 1100
- C. fabricpath switch-id 12 vpc domain 11 fabricpath switch-id 1200
- D. fabricpath switch-id 11 vpc domain 12 fabricpath switch-id 1101

Correct Answer: A

QUESTION 4

Refer to the exhibit. Which two outcomes occur when the state is Other? (Choose two.)

```
switch# show npv status

npiv is enabled

External Interfaces:
=====
Interface: fc1/1, VSAN: 1, FCID: 0x000000, State: Other

Number of External Interfaces: 7
```

- A. The VSAN on each end of the connection does not match.
- B. The interface is not an E Port.
- C. The interface is not an F Port.
- D. The interface is administratively shut down.
- E. Cisco Fabric Services is not enabled.
- F. NPIV should be disabled.
- G. The interface is functioning, but may have errors.
- H. Encryption is not enabled.

Correct Answer: CD

**QUESTION 5**

Within the vPC configuration of the 7K's the command peer-gateway is configured as confirmed with the command show vpc. what is the result of enabling this command?

- A. Enable 7K-3 to act as the active gateway for packet received on VLAN 101 that are addressed to the MAC address of 7K-4
- B. Enables 7K-4 to use of the vpc peer link for forwarding packets received on VLAN 100 that are addressed to the MAC address of 7K-3
- C. Generates IP redirect messages for packets switched though the peer-gateway router
- D. Cause the HSRP active router to update the ARP table on the standby router for faster convergence after the vPC peer link has flapped
- E. Allow the vpc peers to coordinate the LACP ID with must be the same on all links on the port channel.

Correct Answer: D

The vPC peer gateway command allows either Nexus 7000 to intercept any packet (including HSRP packets) which is destined to the other peer's MAC address to prevent the packet from traversing the vPC peer link.

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