



# 300-165<sup>Q&As</sup>

Implementing Cisco Data Center Infrastructure

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### QUESTION 1

Which two statements are true when implementing fabric binding? (Choose two.)

- A. Activation must be performed globally on a switch.
- B. The MAINFRAME\_PKG or the ENTERPRISE\_PKG license must be installed on a switch.
- C. Cisco Fabric Services must be enabled on a switch to distribute configuration information.
- D. Activation must be performed on a per-VSAN basis.
- E. Activation must be performed globally.

Correct Answer: BD

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/4\\_1/configuration/guides/cli\\_4\\_1/cli\\_book/binding.pdf](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/mds9000/sw/4_1/configuration/guides/cli_4_1/cli_book/binding.pdf)

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### QUESTION 2

Which three types of interfaces are required when implementing VXLAN on a Cisco Nexus 9000 Series Switch? (Choose three.)

- A. Ethernet
- B. overlay
- C. ACI
- D. loopback
- E. NVE
- F. management

Correct Answer: AED

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### QUESTION 3

Scenario

The following four questions concern the Nexus 7010's which are configured as a vPC pair at the core of a Data Center network. You can utilize all the available show commands to answer the questions. Access to the running-configuration is not allowed.

Instructions

Enter NX-OS commands on 7K-3 and 7K-4 to verify network operation and answer four multiple-choice questions.

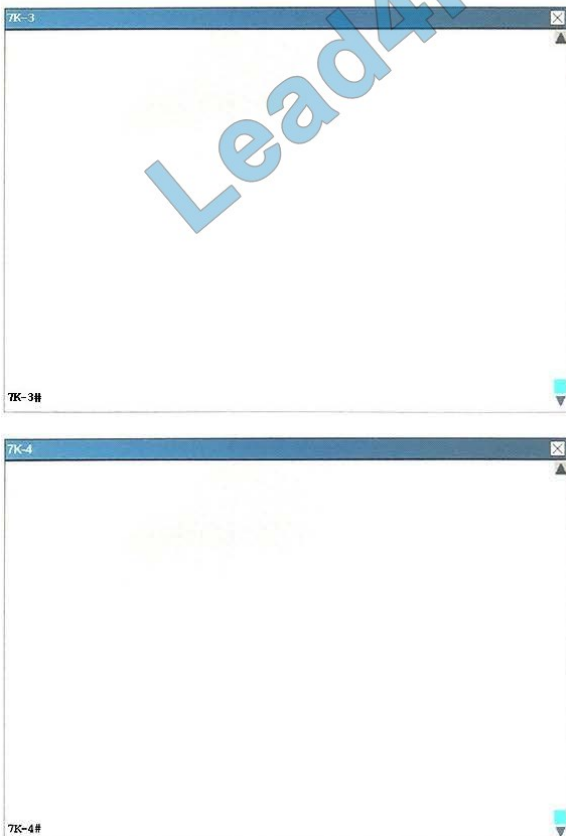
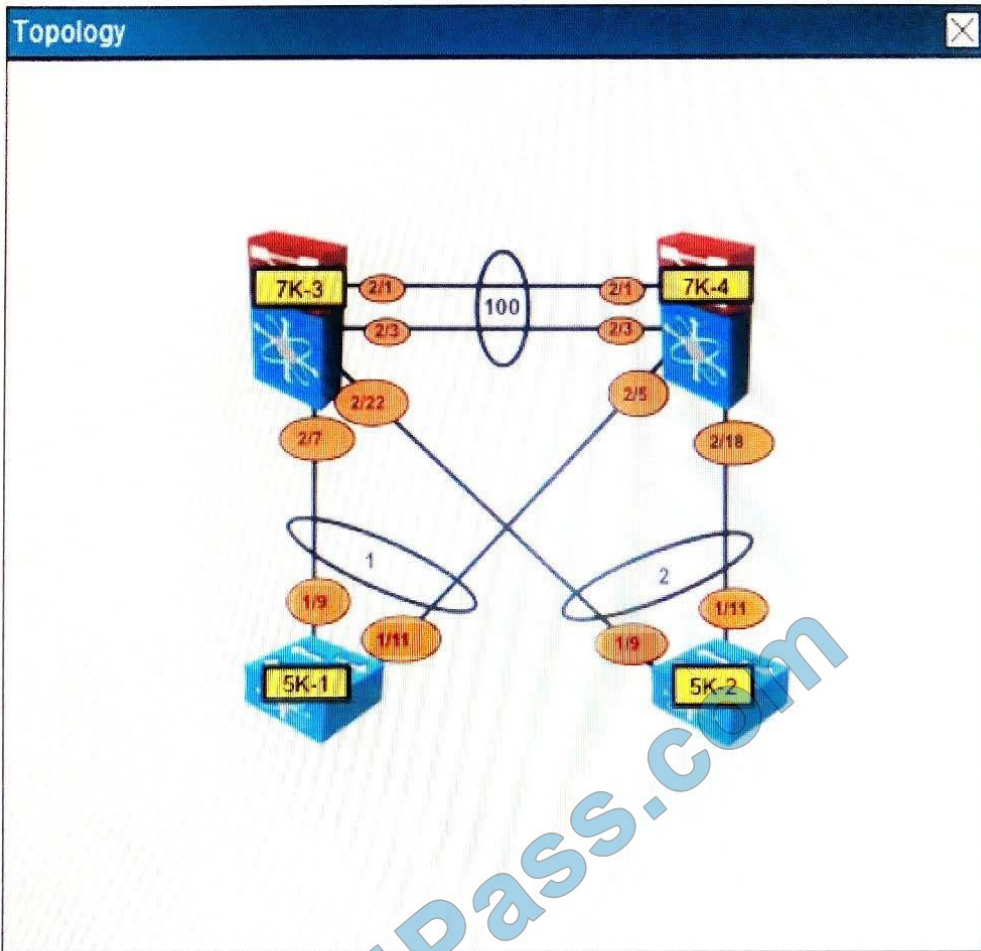
THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.



Click on the switch to gain access to the console of the switch. No console or enable passwords are required.

To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.

There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.





Within the vpc configuration of the 7K's, the command peer-switch is configured.

What is the result of enabling this command?

- A. Both vPC peers use the same STP root ID
- B. The vPC primary switch (7K-4 in this case) also serves as the STP root to improve vPC convergence
- C. The vPC secondary switch (7K-3 in this case) serves as the STP root to improve vPC performance
- D. Allows 7K-3 to act as the active HSRP gateway for packets that are addressed to the MAC address of 7K-4
- E. Automatically disables IP redirects on all interface VLANs mapped over a vPC VLAN to avoid generation of IP redirect messages for packets switched through the vPC peer gateway router
- F. Enables faster convergence of ARP tables after the vPC peer link flaps

Correct Answer: B

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#### QUESTION 4



```

NEXUS(config)# spanning-tree mode rapid-pvst
NEXUS(config)# spanning-tree pathcost method long
NEXUS(config)# spanning-tree vlan 100 root secondary diameter 3
NEXUS(config)# spanning-tree vlan 200 root primary

NEXUS# show spanning-tree vlan 100
VLAN0100
  Spanning tree enabled protocol rstp
  Root ID    Priority    24676
             Address    434d.f4ea.d234
             Hello Time  2 sec    Max Age 12 sec    Forward Delay 9 sec

  Bridge ID  Priority    28772 (priority 28672 sys-id-ext 100)
             Address    503d.e58a.f500
             Hello Time  2 sec    Max Age 12 sec    Forward Delay 9 sec
             Aging Time  300 sec

Interface                Role Sts Cost          Prio.Nbr Type
-----
Gi1/0/2                  Desg FWD 200000000 128.2      P2p Edge
Gi1/0/4                  Altn BLK 200000000 128.4      P2p Edge

VLAN0200
  Spanning tree enabled protocol rstp
  Root ID    Priority    24776
             Address    503d.e58a.f500
             This bridge is the root
             Hello Time  2 sec    Max Age 20 sec    Forward Delay 15 sec

  Bridge ID  Priority    24776 (priority 24576 sys-id-ext 200)
             Address    503d.e58a.f500
             Hello Time  2 sec    Max Age 20 sec    Forward Delay 15 sec
             Aging Time  300 sec

Interface                Role Sts Cost          Prio.Nbr Type
-----
Gi1/0/2                  Desg FWD 65535      128.2      P2p Edge
Gi1/0/4                  Desg FWD 65535      128.4      P2p Edge

```

Refer to the exhibit. Which impact of the configuration on VLAN 100 is true?

- A. The spanning tree cost value for VLAN 200 is 4.
- B. The maximum number of hops between hosts is 3.
- C. The maximum number of hops between hosts is 4.
- D. The spanning tree cost value for VLAN 100 is 65535.

Correct Answer: B



### QUESTION 5

Drag and drop the LISP infrastructure device names on the left to the correct descriptions on the right.

Select and Place:

map resolver	a LISP infrastructure device to which LISP site ETRs register by using their EID prefixes
map server	a LISP infrastructure device to which LISP site ITRs send LISP map-request queries
proxy ETR	a LISP infrastructure device that provides connectivity between non-LISP sites and LISP sites
proxy ITR	a LISP infrastructure device that allows IPv6 LISP sites that have only IPv4 RLOC connectivity to reach LISP and non-LISP sites that have only IPv6 route locator connectivity

Correct Answer:

	map server
	map resolver
	proxy ITR
	proxy ETR



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