



# 300-180<sup>Q&As</sup>

Troubleshooting Cisco Data Center Infrastructure

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### QUESTION 1

Which command on the Fabric Interconnect displays packet statistics for a given QoS group and MTU size?

- A. show policy-map interface ethernet x/y
- B. show queuing interface ethernet x/y
- C. show interface ethernet x/y
- D. show class-map type qos
- E. show interface queuing ethernet x/y

Correct Answer: B

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### QUESTION 2

Which configuration command is critical in order for OTV edge devices to maintain an overlay adjacency with their local peers in a multihomed site via the join interfaces across the Layer 3 network domain?

- A. otv site-vlan
- B. otv extend-vlan
- C. otv use-adjacency-server unicast-only
- D. otv site-identifier

Correct Answer: D

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### QUESTION 3

You are troubleshooting LACP issues on a Cisco Nexus platform. Which two LACP modes can you view by using the show lacp interface command? (Choose two.)

- A. passive
- B. active
- C. standby
- D. auto-negotiate
- E. on

Correct Answer: AB

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**QUESTION 4**

A customer calls you to report that it receives an error when entering the pinning max-links 4 command in FEX configuration mode on its Cisco Nexus 5596T Switch. Which of these is a likely cause for this condition?

- A. The FEX fabric interface is down.
- B. The transceiver is incorrect.
- C. A fabric interface is in a port channel.
- D. The fabric interface switchport mode is set to Access.
- E. Only two fabric interfaces are connected.

Correct Answer: C

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**QUESTION 5**

Using CLI/GUI to troubleshoot packet flow from server to the fabric, you discover that the blade server 1/7 in a Cisco UCS B-Series Blade Server is running slower than expected. You must troubleshoot the problem by using packet tracing. Which three commands can you use to identify the uplink from the Cisco UCS Fabric Interconnect to the external network of the server? (Choose three.)

- A. show pinning server-interfaces
- B. show pinning border-interface active
- C. show service-profile circuit server 1/7
- D. show fex detail
- E. show pinning border-interface
- F. show interface-fex fabric

Correct Answer: ABC

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**QUESTION 6**

Multicast packets enter a leaf switch from a front panel interface and the leaf switch finds a route for the multicast packets. Which two additional components does the leaf switch provide? (Choose two.)

- A. EPG of the destination subnet prefix
- B. local interfaces of the local receivers
- C. VTEP IP address of the local interface
- D. outer destination IP address to use in the VXLAN encapsulation across the fabric
- E. VTEP IP address of the remote leaf switch where the destination endpoint is present



Correct Answer: AE

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#### QUESTION 7

Which action do you take to determine why the interface e1/10 is not present in the core VDC for configuration?

- A. Check the admin VDC to see the port e1/10 is allocated.
- B. Check the core VDC to see if the port e1/10 is allocated.
- C. Check to see if the cable is connected to the e1/10 interface,
- D. Check to see if vPC is enabled

Correct Answer: B

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#### QUESTION 8



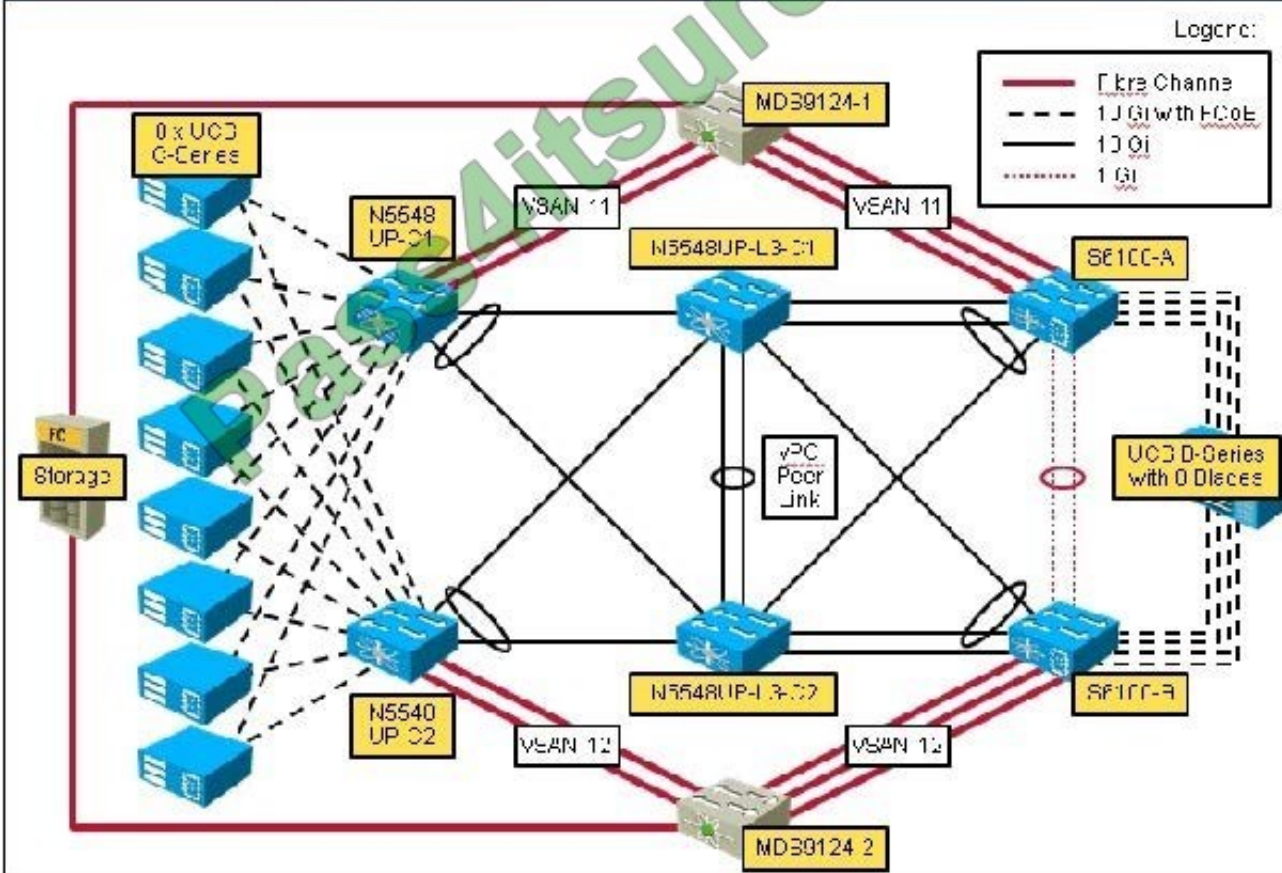
## Instructions

- Enter NX-OS commands on the device to answer multiple-choice questions.
- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- From Exhibit 1, click on the Cisco Nexus 5548UP switch named N5548UP-C1 to gain access to the console of the switch.
- There is no access to configuration mode.
- 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.
- This is a simulation, and not all NX-OS commands are implemented.

## Scenario

In this item, you will use the NX-OS CLI to answer questions about the FCoE configuration on a Cisco Nexus 5548UP.

## Exhibit1





What is the reason that no C-Series servers can access Fibre Channel storage from this Cisco Nexus 554SUP switch?

- A. Zoning mode mis-match with the MDS 9124
- B. There are no active Fibre Channel interfaces
- C. VSAN mis-match on Fibre Channel interfaces
- D. None of the virtual fibre channel interfaces are configured

Correct Answer: C

#### QUESTION 9

Why do color blocking logic counters increment while the unidirectional packet flow is troubleshoot in a FabricPath topology?

- A. One of the switches in the topology has gone down.
- B. A FabricPath loop has been detected.
- C. FabricPath switch IDs are overlapped in the current topology.
- D. VLANs are being blocked due to missing FabricPath VLANs.

Correct Answer: D

#### QUESTION 10



Which statement about Cisco UCS version compatibility is true?

- A. All bundles (A, B, and C) must be the same version.
- B. The B and C bundles must be the same revision.
- C. The A bundle can be one revision higher than the B/C bundles.
- D. The B/C bundles can be one revision higher than the A bundles.

Correct Answer: C

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#### QUESTION 11

Refer to the exhibit.

```
adapter 1/1/1 (fls): 6# lunlist 6
vnic: 6 lifid: 4
- FLOGI State: flogi est (fc_id 0xa80038)
- FLOGI Sessions
- WWNN 50:0a:09:81:82:dd:97:ff WWPN 50:0a:09:81:82:dd:97:ff
fc_id 0xa80400
- LUN's configured (SCSI Type, Version, Vendor, Serial No.)
LUN ID: 0x0000000000000000
- REPORT LUNs Query Response
LUN ID: 0x0000000000000000
- Nameserver Query Response
- WWPN: 50:06:01:62:39:a0:1d:b6
```

You have a server that fails to boot \*which option is a possible cause of the issue?

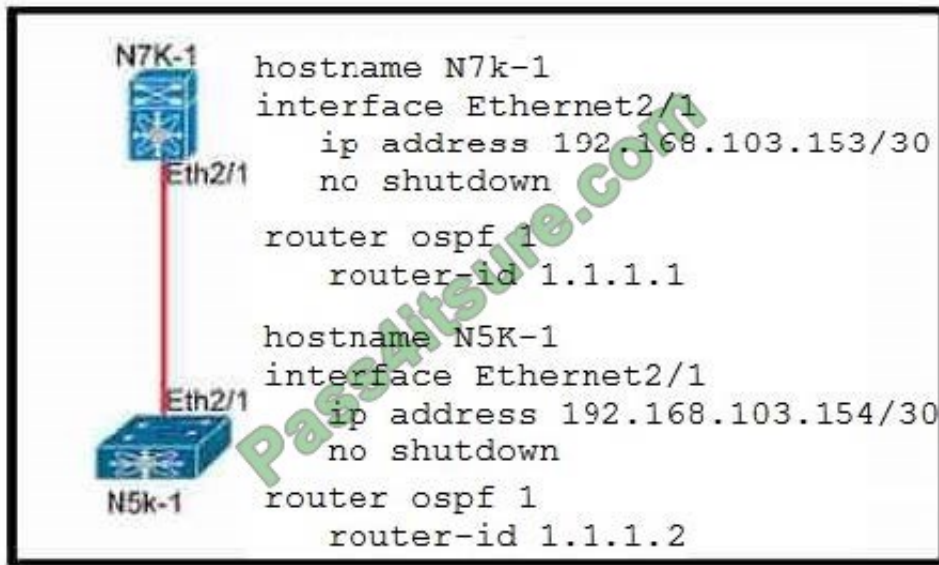
- A. an incorrect boot policy
- B. incorrect zoning
- C. an incorrect FC/FCoE target port in the SAN
- D. incorrect LUN masking on the Storage array

Correct Answer: D

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#### QUESTION 12





Refer to the exhibit. No OSPF neighborship exists between N5K-1 and N7K-1. Which configuration resolves this issue?

- A. (config)# router ospf 1 (config-router)# network 192.168.103.152 255.255.252 area 0
- B. (config)# ip router ospf 1 area 0
- C. (config)# router ospf 1 (config-router)# network 192.168.103.152 0.0.0.3 area 0
- D. (config-if)# ip router ospf 1 area 0

Correct Answer: C

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