



642-980^{Q&As}

Troubleshooting Cisco Data Center Unified Fabric

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QUESTION 1

Refer to the exhibit.

```
switch# show npv status

npiv is enabled

Server Interfaces:
=====
  Interface: fc1/6, VSAN: 1 NPIV: No, State: Waiting for FLOGI

Number of Server Interfaces: 7
```

Customer encounters the problem as shown in the exhibit. What is the cause of the problem?

- A. No server was requested or received by the FLOGI database.
- B. One external link must be up for server interface to be up.
- C. Multiple external links must be up for the server to come up.
- D. Internal links are down and must be up for the server interface to be up.

Correct Answer: A

QUESTION 2

Refer to the exhibit.



```
N7K-A#  
  
feature otv  
otv site-identifier 10  
interface overlay 1  
  otv control-group 239.1.1.1  
  otv data-group 239.1.1.0/29  
  otv join-interface ethernet 2/1  
  otv extend-vlan 5-10  
  no shutdown  
  
N7K-B#  
  
feature otv  
otv site-identifier 20  
interface overlay 1  
  otv control-group 239.1.1.1  
  otv data-group 239.1.1.0/29  
  otv join-interface ethernet 2/1  
  otv extend-vlan 5-10  
  no shutdown
```

Which two commands are missing to enable OTV between N7K-A and N7K-B? (Choosetwo.)

- A. otv site-vlan on both N7Ks
- B. create vlan 5-10
- C. enable virtual port-channel on vlan 5-10
- D. enable eigrp on both N7Ks
- E. enable hsrp feature

Correct Answer: AB

QUESTION 3

Refer to the exhibit.



```
switch# show npv status

npiv is enabled

External Interfaces:
=====
Interface: fc1/1, VSAN: 1, FCID: 0x110000, State: Failed(Mismatch in VSAN for this
upstream port)

Number of External Interfaces: 1
```

When your customers have NPV problems, which three actions should you take?(Choose three.)

- A. Verify that the NPV core switch supports NPIV and that it is enabled.
- B. Verify that all ports are properly configured and connected.
- C. Ensure that the VLAN values are configured on both sides of the NPV core switch.
- D. Verify the status of the servers and external interfaces, using the show npv server status command.
- E. Ensure that the VSAN value that is configured on the device links is correct.
- F. For all the device links, ensure that the port mode on the NPV device is in Full_port mode.

Correct Answer: ABE

QUESTION 4

In Cisco NX-OS releases prior to 5.2, how should the copp-system-p-policy policy be modified to change how the supervisor module is protected from DoS attacks?

- A. Modify the policy map type control-plane copp-system-policy.
- B. Open DCNM and modify the "copp-system-p-policy" policy object.
- C. Re-run the setup utility and apply a new CoPP profile.
- D. In Cisco NX-OS versions prior to 5.2, the CoPP system profile can only be modified from the CMP CLI.

Correct Answer: C

QUESTION 5

Which two describe the correct requirements for non-disruptive IOS ISSU on Cisco Nexus 7000 Series Switches? (Choose two.)

- A. updated kickstart and system images must be staged in bootflash on single-supervisor switches
- B. updated kickstart and system images must be staged in bootflash on dual-supervisor switches

- C. low version skew
- D. dual supervisors
- E. clock synchronization

Correct Answer: CD

QUESTION 6

Storage VDC creation has failed. Which two steps should be taken before creating the storage VDC? (Choose two.)

- A. Check that the F1 module has the FCoE license installed.
- B. Check that the FCoE feature is enabled on the N7K.
- C. Check that you have allocated the interfaces of the F module on the VDC.
- D. Check that the network QoS non-drop policy is configured for FCoE traffic.
- E. Check that the FCoE VLANs are allocated on the VDC.
- F. Check that the M2 module has the FCoE license installed.

Correct Answer: BD

QUESTION 7

Which command helps to determine if there are any conflicts in the network with respect to a FabricPath configuration?

- A. show licenses
- B. show fabricpath conflict
- C. show fabricpath conflict all
- D. switchport mode fabricpath

Correct Answer: C

QUESTION 8

You apply a new CoPP profile to a Cisco Nexus 7000 Series, and it stops responding to ping requests. Which option should you check?

- A. server SO
- B. SVI that is associated with the server subnet
- C. CoPP counters



D. ACL that is associated with the CoPP profile applied

Correct Answer: D

QUESTION 9

Which two occurrences happen during an ISSU? (Choose two.)

- A. FLOGI/fdisc or logo requests from servers fail until the ISSU is complete.
- B. The time-to-live value for CDP is increased (360 seconds) if it is less than the recommended timeout value.
- C. LACP is not affected because ISSU should not impact peers that rely on LACP because the recovery time is less than 90 seconds.
- D. NTP sessions stay alive and active.
- E. The control plane is offline for up to 300 seconds.

Correct Answer: AC

QUESTION 10

When configuring LLDP on Cisco Nexus 5548 Switch, what is the purpose of LLDP hold time global configuration command?

- A. LLDPholdtime option is to set the length of time in milliseconds that a device should save LLDP information received before discarding it.
- B. LLDPholdtime option is to set the length of time in seconds that a device should save LLDP information received before discarding it.
- C. LLDPholdtime option is to set the length of time in milliseconds to wait before performing LLDP initialization on any interface.
- D. LLDPholdtime option is to set the length of time in seconds to wait before performing LLDP initialization on any interface.

Correct Answer: B

QUESTION 11

One of your Cisco Nexus Series interfaces has become errdisabled with the error message "DCX-No ACK in 100 PDUs". How often are these acknowledgements exchanged?

- A. 15 seconds
- B. 30 seconds
- C. 45 seconds



D. 60 seconds

Correct Answer: B

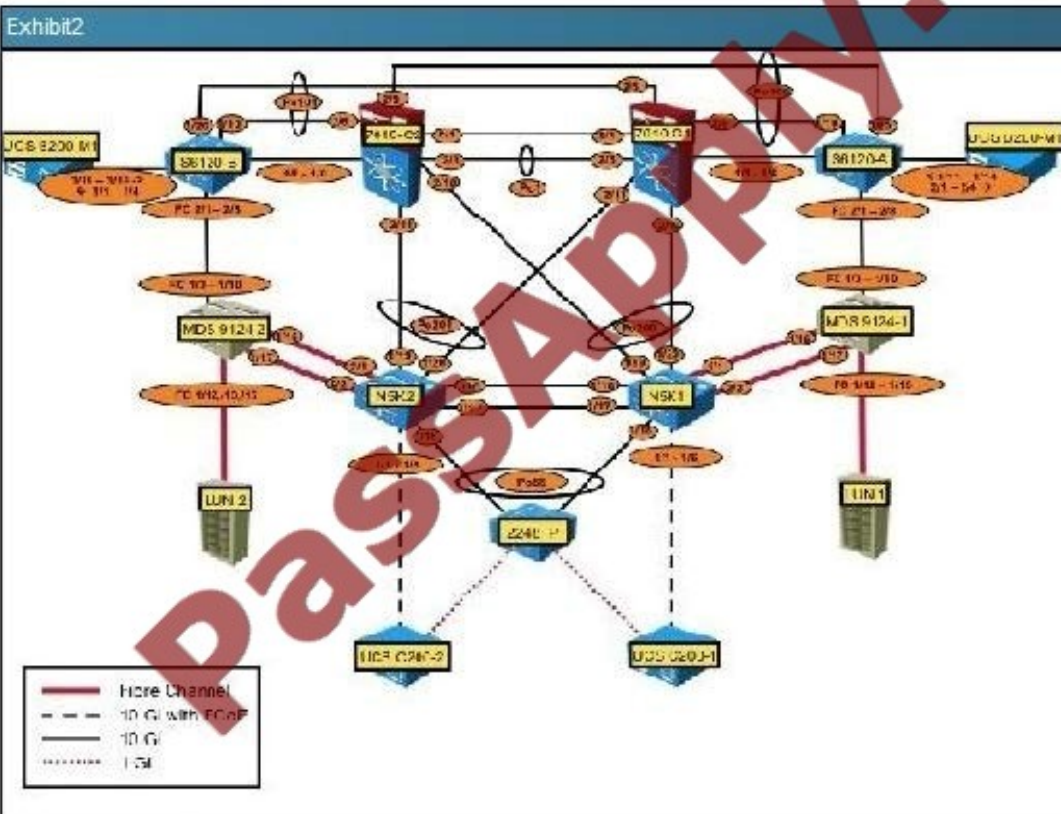
QUESTION 12

Instructions

- Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.
- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- Click on the Console PC to gain access to the console of the router. 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 **three** multiple-choice questions with this task. Be sure to answer all three questions before clicking the **Next** button.

Scenario

The following three troubleshooting questions concern the Cisco Nexus 7000 and Nexus 5000 switches, which are at the core of the data center network. You can utilize all the available **show** commands to answer the questions. Access to the running configuration is not allowed.





The Cisco Nexus 2248 FEX has been added recently to the network via a vPC to the Nexus 5000 switches; however, connectivity is not yet operational. What is the problem with the configuration?



- A. Both Nexus 5000 switches must associate to the same FEX number
- B. Each Nexus 5000 should have its own FEX to support a straight-through topology.
- C. The maximum number of links for pinning purposes should be increased to 2.
- D. Ethernet1/18 must be configured without a port channel.

Correct Answer: D

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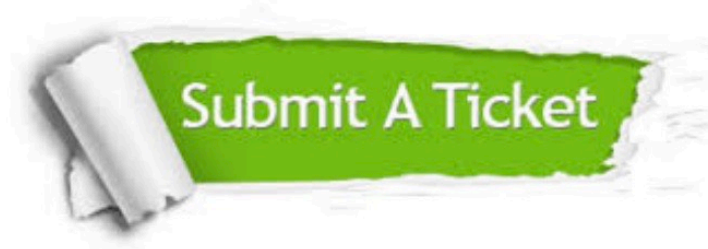
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