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Vendor:Cisco

Exam Code:642-980

Exam Name:Troubleshooting Cisco Data Center
Unified Fabric

Version:Demo

QUESTION 1

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 2

Your customer has a dual Cisco Nexus 7010 Switches in its data center. Customer's representatives want to know how to determine if Cisco IOS ISSU is possible on the switches as they are upgrading to version 6.0.4. Which command is useful to determine if the upgrade will be non-disruptive?

- A. N7010-C1# show system redundancy ha status
- B. N7010-C1# show incompatibility system
- C. N7010-C1# install all
- D. N7010-C1# show issu test bootflash:n7000-s1-system.6.0.4.bin

Correct Answer: C

QUESTION 3

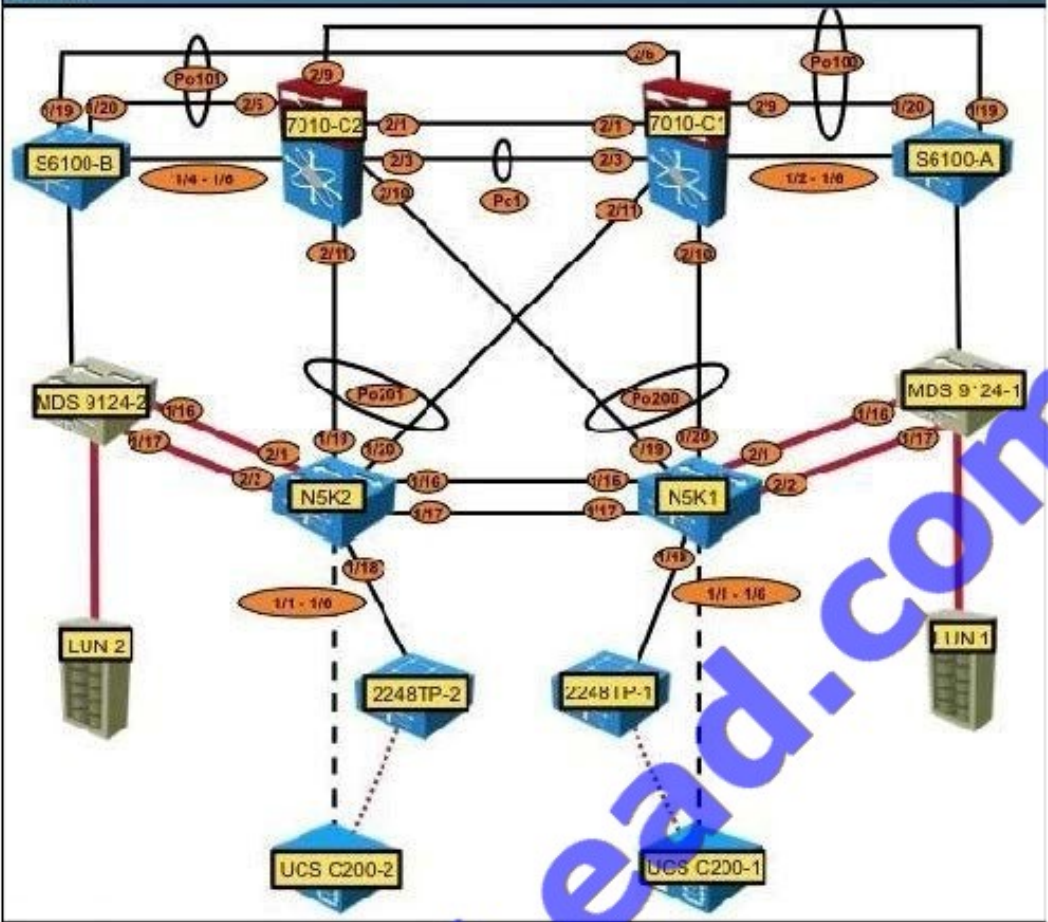
Instructions

- 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 **four** multiple-choice questions with this task. Be sure to answer all four questions before clicking the **Next** button.

Scenario

The following four questions cover the Cisco Nexus 7010 and Nexus 5000 switches, which are at the core of a data center network. Utilize all the available **show** commands to answer the items. Access to the running configuration is not allowed.

Exhibit1



7010-C1

7010-C1#



It has been determined that unknown unicast, multicast, and broadcast traffic is not correctly being switched through either Nexus 7010 switch. Which statement best describes the cause of this issue?

- A. No VLANs are allowed across the vPC peer link.
- B. The MST STP is not enabled on either switch.
- C. The default VLAN is inactive.
- D. VTP is not configured to handle this type of traffic.

Correct Answer: B

The MST STP is not enabled on either switch

From both switches the "show spanning-tree mst" command shows that the switch is not in MST mode.

QUESTION 4

Refer to the exhibit.

```
switch# sh int fc2/7
fc2/7 is down (NPV upstream port not available)
Hardware is Fibre Channel, SFP is short wave laser w/o OFC (SN)
Port WWN is 20:47:00:0d:ec:a4:3b:80
Admin port mode is F, trunk mode is off
snmp link state traps are enabled
Port vsan is 99
Receive data field Size is 2112

switch# show vsan membership
vsan 1 interfaces:
fc2/1 fc2/2 fc2/3 fc2/4
fc2/5 fc2/6 san-port-channel 200
vsan 99 interfaces:
fc2/7 fc2/8
```

The server port connected to the NPV edge switch does not come online. Which action should fix the problem?

- A. Move the NP ports on the NPV edge and the F ports on the NPV into the same VSAN 99.
- B. Move the NP ports on the NPV edge and the F ports on the NPV in the default VSAN 1.
- C. Move all the ports into VLAN 1.
- D. Move all the ports into VSAN 99.
- E. Move all the ports into VLAN 99.

Correct Answer: A

QUESTION 5

What are the minimum number and maximum number of members that a SAN PortChannel can have?

A. 1, 16

B. 2, 16

C. 1, 32

D. 2, 32

E. 1 minimum with no maximum

F. 2 minimum with no maximum

Correct Answer: A

QUESTION 6

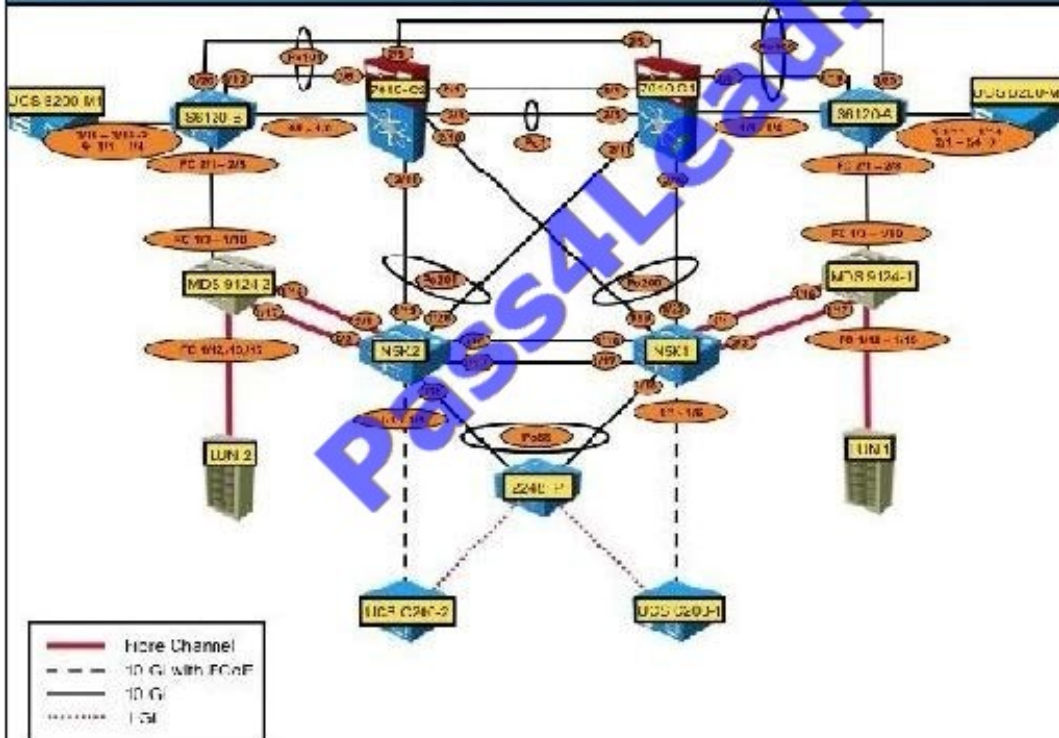
Instructions

- 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.

Exhibit2





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

QUESTION 7



Fibre Channel traffic on VSAN 12 between N5K2 and MDS9124-2 is degraded. Which statement explains the cause of this degradation?

- A. Performance is decreased by half due to the incorrect port type being used.
- B. The load-balancing scheme for VSAN 12 should be src-id/dst-id.
- C. B2B credits on N5K2 should be increased to 128.
- D. A VSAN port channel must be configured between N5K2 and MDS9124-2.

Correct Answer: D

QUESTION 8

Refer to the exhibit.

```
Nexus 1:
vpc domain 10
role priority 1
system-priority 1
peer-keepalive destination 1.1.1.1 source 1.1.1.2

Nexus 2:
vpc domain 10
role priority 2
system-priority 2
peer-keepalive destination 1.1.1.2 source 1.1.1.1
```

You configure a vPC between two Cisco Nexus 7010 Switches. The peer link will not come up.

What is the problem?

- A. The vPC domain numbers must be different.
- B. The role priority must be the same.
- C. The system priority must be the same.
- D. The configuration is incorrect.

Correct Answer: C

QUESTION 9

On a Cisco Nexus 5000 switch that runs in NPV mode, what is the correct command to view logged-in devices?

- A. show flogi database
- B. show npv flogi-table
- C. show npv status
- D. show npv device-login
- E. show fcns flogi-database

Correct Answer: B

QUESTION 10

When a directly connected host pings a switch virtual interface on the Cisco Nexus 7000 Series Switch, there is intermittent ping loss. What is the cause?

- A. CoPP is applying microflow policing to all traffic from the host that is destined to the CPU.

B. CoPP is applying microflow policing to all traffic to the host that is leaving the CPU.

C. CoPP is rate-limiting all ICMP traffic that is destined to the CPU.

D. CoPP is rate-limiting all ICMP traffic that is leaving the CPU.

Correct Answer: C

QUESTION 11

Which option describes why the merge status for any application shows "In Progress" for a prolonged period of time when a new switch is added to the fabric?

A. The new switch must be upgraded to match the same version of code as the original switch.

B. The ports between the switches are not trunking all VSANs.

C. The application needs to be started on both switches.

D. There are outstanding changes that must be committed.

E. The merge status cannot occur until a copy running-config startup-config is done.

Correct Answer: D

QUESTION 12

You are no longer seeing updates to the device-aliases database on your Cisco Nexus 5596UP Switch. Which command is useful to determine if the scope of Cisco Fabric Services application distribution was being administratively limited?

A. N5K2# show cfs region

B. N5K2# show cfs scope

C. N5K2# show cfs locale

D. N5K2# show cfs acl

E. N5K2# show cfs firewall

Correct Answer: A

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