

# Cisco

## Exam 642-980

### Troubleshooting Cisco Data Center Unified Fabric

Version: 9.0

[ Total Questions: 124 ]

**Question No : 1**

The traffic across your port channels seems to be favoring one link over the other. How can you adjust the load-balancing policy to include source and destination MAC addresses, IP address, and TCP port?

- A. kcdc-5010-1(config-if)# port-channel load-balance ethernet source-dest-port
- B. kcdc-5010-1(config-if)# port-channel load-balance ethernet source-dest mac ip port
- C. kcdc-5010-1(config)# port-channel load-balance ethernet source-dest-port
- D. kcdc-5010-1(config)# port-channel load-balance ethernet source-dest mac ip port

**Answer: C**

**Question No : 2**

Refer to the exhibit.

```
switch# show npv status

npiv is enabled

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

  Number of External Interfaces: 7
```

A customer is having a problem getting NPV to work. What is causing the problem?

- A. The core NPV switch port is not an F port.
- B. The core NPV switch port is in a shutdown state.
- C. The core NPV switch port is not configured on both ends.
- D. The core NPV switch port is not configured on the other end.
- E. The core NPV switch ports are in the wrong domain.

**Answer: A**

**Question No : 3**

Why do color blocking logic counters increment while the unidirectional packet flow is troubleshot 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.

**Answer: D**

**Question No : 4**

Refer to the exhibit.

```
No of sessions: 1 (Max: 32)
Total number of commands: 0 (Max: 102400)
Session Database Lock Info: Locked
Client: 2 (1: SSN, 2: CONF-T)
Ref count: zero-based ref-count
Lock acquired for cmd : some-command
```

What is the cause of the ISSU failure when using the command show system internal csm globalinfo?

- A. The command conf-t is holding a lock and not released it.
- B. The SSN feature is not enabled on both switches.
- C. The reference count is less than 1 due to a lack of successful config-sync.
- D. It cannot be determined from the output.
- E. An Administrator is logged in on another session and has a lock of the session data base to prevent ISSU.

**Answer: A**

**Question No : 5**

Refer to the exhibit.

```

switch(config)# show cfs lock name ntp
Scope      : Physical-fc-ip
-----
Switch WWN          IP Address          User Name    User Type
-----
20:00:00:0d:ec:50:09:00 172.25.183.42      admin       CLI/SMP v3
Total number of entries = 1
switch(config)# show cfs internal session-history name ntp detail
-----
Time Stamp          Source WWN          Event
User Name          Session ID
-----
Thu Aug 5 11:51:02 2010 20:00:00:0d:ec:da:6e:00 LOCK_REQUEST
admin          35035
Thu Aug 5 11:51:02 2010 20:00:00:0d:ec:da:6e:00 LOCK_ACQUIRED
admin          35035
Thu Aug 5 11:51:03 2010 20:00:00:0d:ec:da:6e:00 COMMIT[2]
admin          35040
Thu Aug 5 11:51:03 2010 20:00:00:0d:ec:da:6e:00 LOCK_RELEASE_REQUEST
admin          35035
Thu Aug 5 11:51:03 2010 20:00:00:0d:ec:da:6e:00 LOCK_RELEASED
admin          35035
Thu Aug 5 12:03:18 2010 20:00:00:0d:ec:50:09:00 REMOTE_LOCK_REQUEST
admin          284072
Thu Aug 5 12:03:18 2010 20:00:00:0d:ec:50:09:00 LOCK_OBTAINED
admin          284072
  
```

What command should you execute next in resolving a lock failure?

- A. ntp execute
- B. ntp commit
- C. ntp lock
- D. ntp help
- E. ntp detail

**Answer: B**

**Question No : 6**

Which two commands are used to determine the CoPP profile used on Cisco Nexus 7000 Series? (Choose two.)

- A. #show copp profile
- B. #show copp diff profile
- C. #show copp status
- D. #show running-config copp

E. #show policy-map interface control-plane

Answer: C,D

**Question No : 7**

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.

Answer: B,D

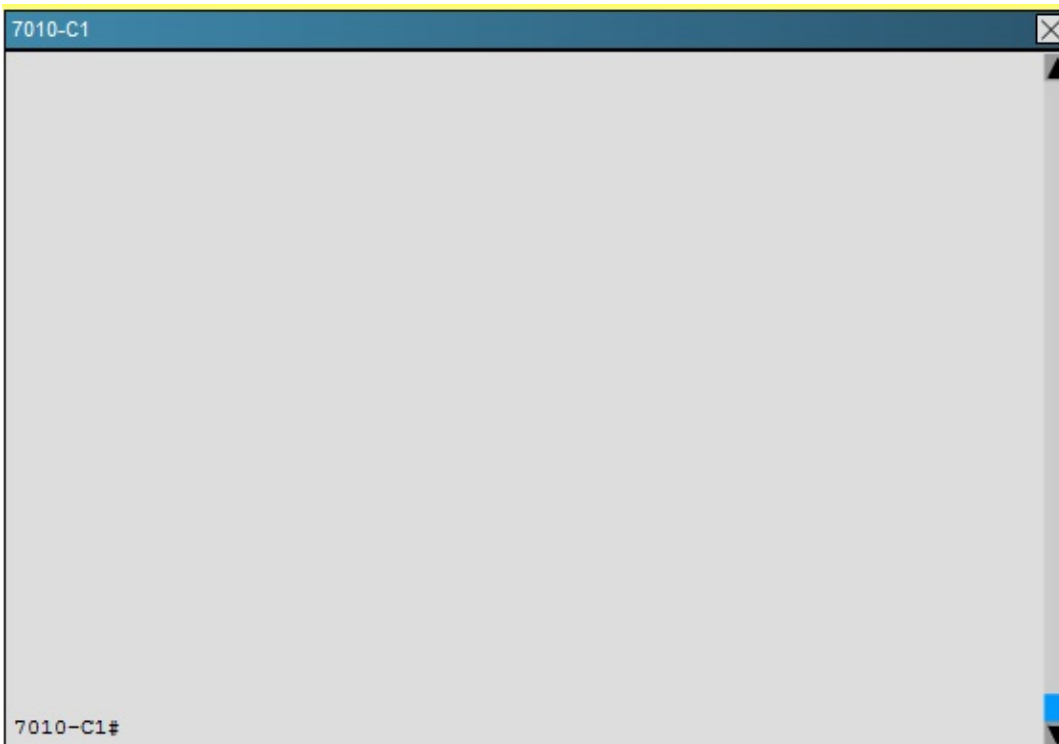
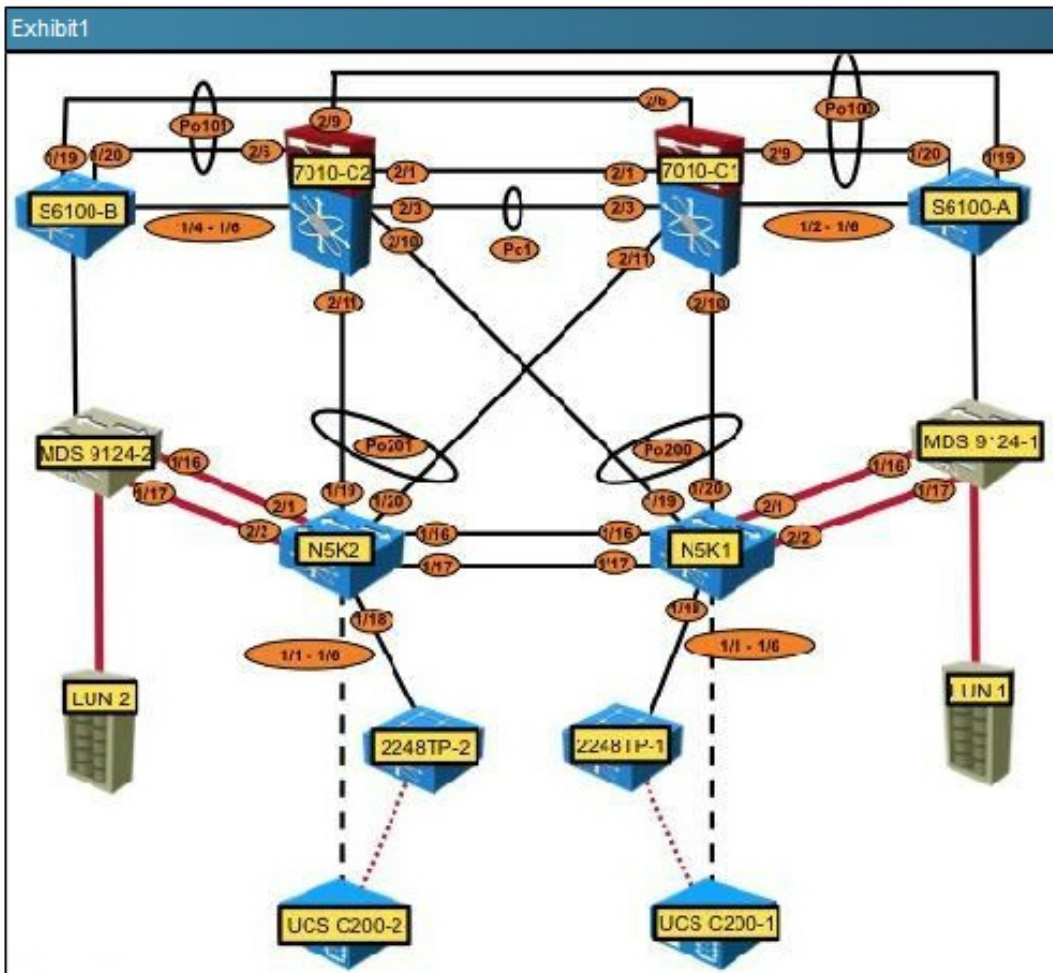
**Question No : 8**

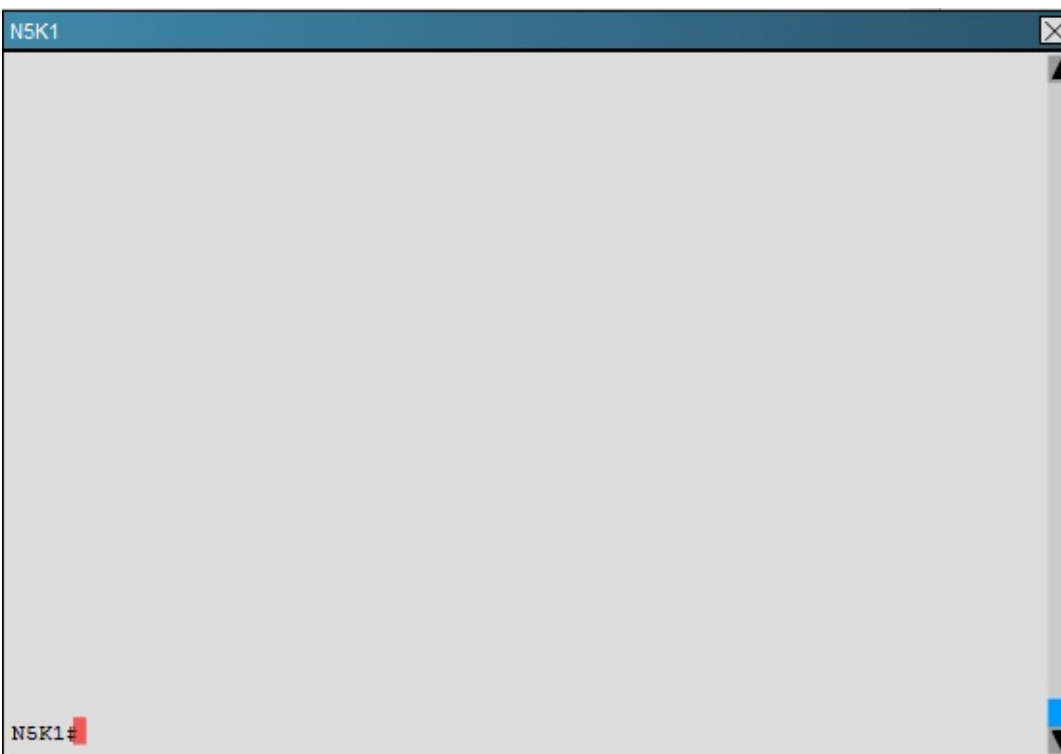
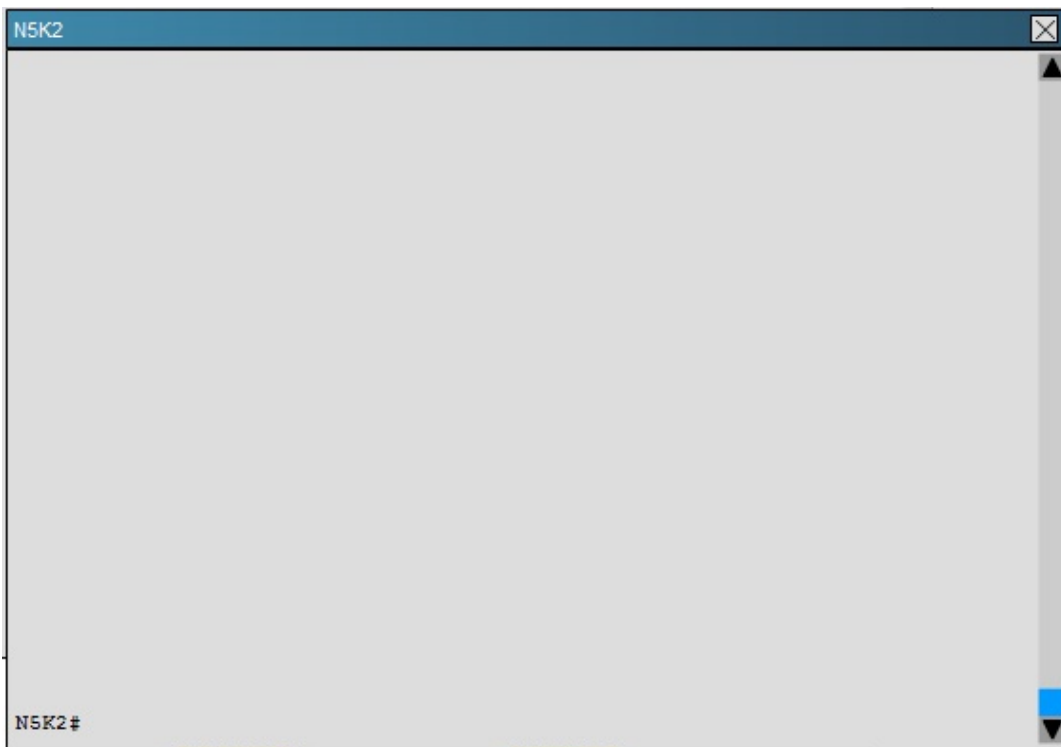
Instructions

- 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.





Which statement is true regarding the port channel 100 and 101 configurations between the Nexus 7010 switches?

- A. The vPC assignments on N7010-C2 are incorrectly swapped
- B. N7010-C1 is not allowing any active VLAN traffic to pass on Po100 and Po101.
- C. LACP is not configured to initiate negotiations.

D. The vPC peer-keepalive is down between the two Nexus 7000 switches.

**Answer: A**

**Explanation:**

The vPC assignments on N7010-C2 are incorrectly swapped.

The “show vpc” command will show you that the keepalives are active, and that there are active VLANs. The “show port-channel summary” command shows that LACP is enabled.

**Question No : 9**

What is the correct configuration for interface Ethernet 1/1 of a Cisco Nexus 5000 Series Switch when it is a member of port channel 101 connected to FEX 101?

- A.** interface Ethernet1/1  
switchport mode trunk  
switchport trunk native vlan 10  
switchport trunk allowed vlan 20,30  
fex associate 101  
channel-group 101
- B.** interface Ethernet1/1  
switchport mode fex-fabric  
channel-group 101
- C.** interface Ethernet1/1  
switchport mode access  
switchport access vlan 10  
fex associate 101  
channel-group 101
- D.** interface Ethernet1/1  
switchport mode fex-fabric  
fex associate 101  
channel-group 101

**Answer: D**

**Question No : 10**

You have upgraded your Cisco Nexus 7009 Switches and converted the default VDC to an admin VDC. You notice that all of the ACLs are still present on the admin VDC after the



conversion. What should you do?

- A. enable configuration synchronization between the admin VDC and the production VDCs
- B. delete the ACLs
- C. delete all ACLs except those related to CoPP
- D. delete all ACLs except those bound to resource templates
- E. use the system admin-vdc acl command to properly migrate ACLs

**Answer: B**

**Question No : 11**

There is an ARP storm in VDC 1. Some users on VDC 2 notice that ARP is not resolving for their gateway on the Cisco Nexus core. What is the cause?

- A. The ARP CoPP class committed information rate is exceeded, resulting in ARP loss in all VDCs.
- B. The administrator has not correctly configured the ARP CoPP class in VDC 2.
- C. The ARP traffic in VDC 1 is copied to the host ports in VDC 2, causing overutilization and output discards.
- D. Because the ARP process in the default VDC (VDC 1) is responsible for processing ARP traffic for all VDCs, VDC 2 will be affected.

**Answer: A**

**Question No : 12**

A customer is deploying FCoE in its network and has found that the connected host does not support FIP. Which command will be useful in troubleshooting this issue?

- A. show platform fcoe\_mgr info interface vfc id
- B. show platform fcoe\_mgr info software interface vfc id
- C. show platform software fcoe\_mgr info interface vfc id
- D. show platform software interface fcoe\_mgr info vfc id

**Answer: C**

**Question No : 13**

Which tools can assist in the troubleshooting of FC-0 issues? (Choose three.)

- A. FC analyzer
- B. SPAN
- C. Device Manager
- D. show interface fc1/1 optical-power-budget
- E. PAA
- F. a portable protocol analyzer

**Answer: A,C,F**

**Question No : 14**

You are attempting to configure boot from SAN on your server that is attached to a Cisco MDS 9148 Fibre Channel switch. What is a possible issue that may occur?

- A. Check the status of the licenses on the Fibre Channel switch.
- B. NPV is not configured on the Fibre Channel switch.
- C. NPIV is not configured on the Fibre Channel switch.
- D. Boot from SAN is not supported via the Fibre Channel protocol.

**Answer: C**

**Question No : 15**

Which three statements are true about the show cfs merge status name command? (Choose three.)

- A. In a successful merge, all switches in the fabric are shown separately.
- B. The command shows the complete Cisco Fabric Services region database.
- C. The command shows the merge status in all valid VSANs on the switch.
- D. The merge master is selected based on the highest sWWN in the fabric.
- E. The merge master is selected based on the lowest sWWN in the fabric.
- F. In a successful merge, all switches are shown in a local fabric.

**Answer: C,E,F**

**Question No : 16**