



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

External Interfaces:
=====
Interface: fc1/2, VSAN:1, FCID: 0xe00200,
State: Failed(NPIV is not enabled in upstream switch)

Number of External Interfaces: 1
```

The customer informs you of a problem they are encountering. What is the cause of the problem?

- A. The core upstream switch does not have NPIV enabled.
- B. The downstream switch does not have NPIV enabled.
- C. NPIV has been disabled on all switches.
- D. NPIV has been configured but not enabled on the uplink port.

Correct Answer: A

QUESTION 2

Refer to the exhibit.

```
switch(config-if)# show interface brief

-----
Interface  Vsan   Admin  Admin  Status  SFP    Oper  Oper  Port
          Mode   Trunk  Mode                    Mode  Speed Channel
                               (Gbps)

fc2/3      1      E      on     isolated  swl    --    --    --

switch(config-if)# show interface fc 2/3
fc2/3 is down (Isolation due to no common vsans with peer on trunk)
Hardware is Fibre Channel, SFP is short wave laser w/o CFC (SN)
Port WWN is 20:43:00:0d:ec:da:6e:00
Admin port mode is E, trunk mode is on
```

During a VSAN outage, you come across this configuration. Please select two possible causes? (Choose two)



- A. no common VSANs on both switches
- B. no common trunks
- C. no common VSAN members in the same trunk
- D. VSANs in trunk are the same, but the trunk is not up

Correct Answer: AC

QUESTION 3

Which configuration is needed to suppress duplicate IP addresses when HSRP localization is enabled?

- A. Configure matching passwords in each data center.
- B. Configure no ip arp gratuitous hsrp duplicate under the VLAN.
- C. Remove the passwords in each data center.
- D. Configure mismatching HSRP versions between data centers.
- E. Change one data center to run VRRP rather than HSRP.

Correct Answer: B

QUESTION 4

Refer to the exhibit.

```
Flags: D - Down      P - Up in port-channel (members)
       I - Individual H - Hot-standby (LACP only)
       s - Suspended r - Module-removed
       S - Switched  R - Routed
       U - Up (port-channel)
       M - Not in use. Min-links not met
```

Group	Port-Channel	Type	Protocol	Member Ports
20	Po20(SD)	Eth	LACP	Eth1/3(s) Eth2/2(s)

An administrator is trying to configure a port channel on a Cisco Nexus 7000 Series Switch, which is connected to a Cisco Nexus 5500 Series Switch. The port channel will not come up, so the administrator executes the show port-channel summary command on the Cisco Nexus 7000 Series Switch and displays the output.

What are two causes of the error? (Choose two.)

- A. The Cisco Nexus 7000 Series Switch needs to be configured with no lacp suspend- individual.
- B. The Cisco Nexus 5500 Series Switch is configured with channel-group mode on.



- C. The LACP feature has not been enabled on the Cisco Nexus 7000 Series Switch.
- D. The ports are cabled to the wrong switch.
- E. The port channel load-balancing algorithm does not match.

Correct Answer: BD

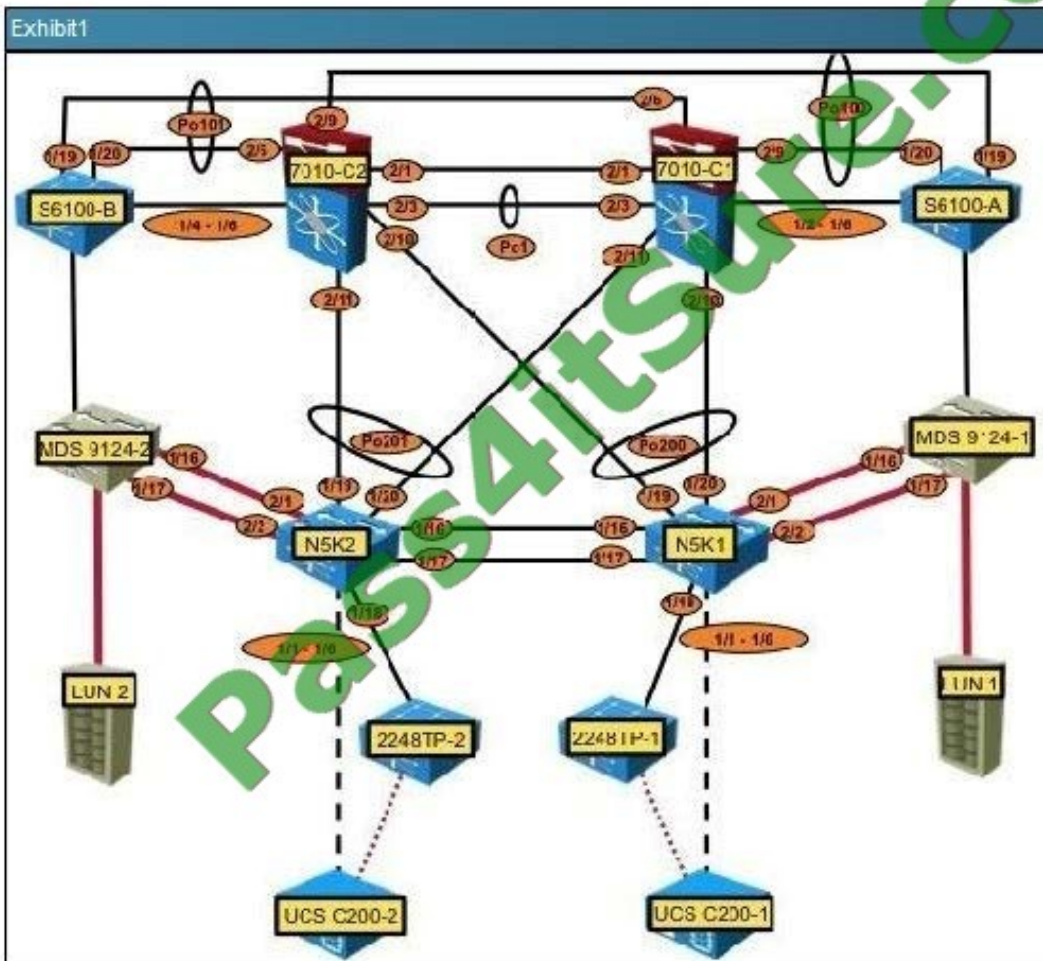
QUESTION 5

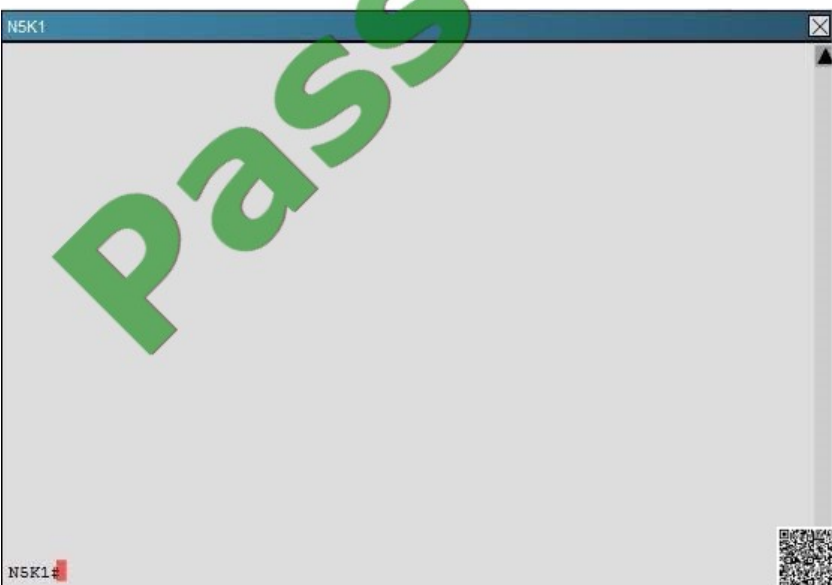
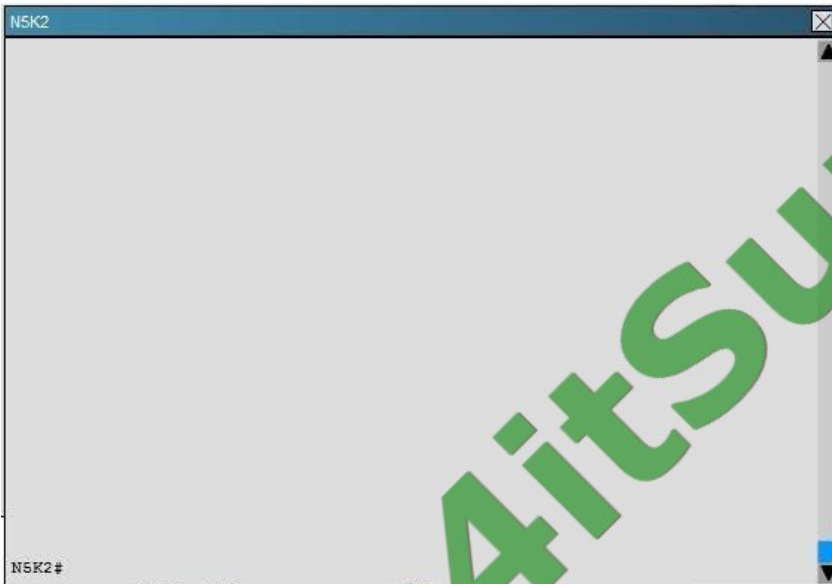
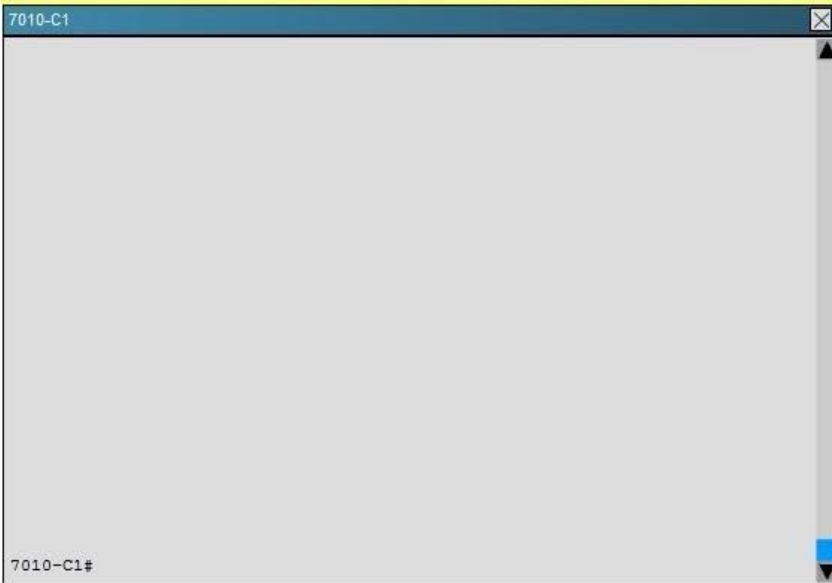
Instructions

- 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.







Cisco UCS users residing behind N5K2 are complaining about poor performance with a single LAN application in the data center. Which statement best explains what is wrong with N5K2?

- A. Traffic balancing is based on the destination IP address.
- B. Port channel members do not have equal bandwidths.
- C. The trunk between the Nexus 5000 switches is filtering all VLANs.
- D. E2/1 on N7010-C2 is not configured as a trunk for application traffic from N5K2.

Correct Answer: A

Traffic balancing is based on the destination IP address Use the "show port-channel load-balance" command to verify.

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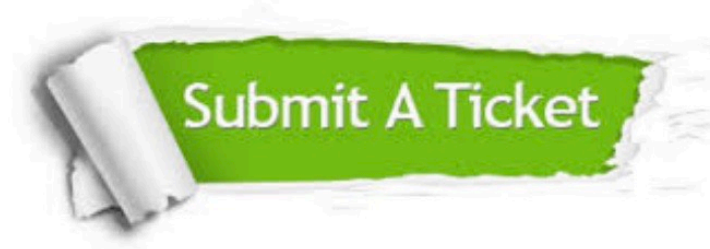
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