

Exam Questions 300-180

DCIT Troubleshooting Cisco Data Center Infrastructure (DCIT)

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NEW QUESTION 1

Refer to the exhibit.

```
%ZONE-2-ZS_MERGE_FAILED: %$VSAN 1%S Zone merge failure, isolating interface fc2/1 error:
Received rjt from adjacent switch:{reason:0}
%ZONE-2-ZS_MERGE_FAILED: %$VSAN 1%S Zone merge failure, isolating interface fc1/2 error:
Member mismatch
%ZONE-2-ZS_MERGE_ADJ_NO_RESPONSE: Adjacent switch not responding,isolating interface
%ZONE-2-ZS_MERGE_FULL_DATABASE_MISMATCH: Zone merge full database mismatch on interface
```

In the initial SAN deployment or after topology changes in the SAN, some hosts cannot communicate with storage. What are three possible causes of the problem? (Choose three.)

- A. misconfigured fabric timers
- B. misconfigured port parameters
- C. VSAN pruning
- D. VSAN trunking issues
- E. VLAN problems
- F. mismatched zoning

Answer: ABF

NEW QUESTION 2

Which statement about the Nexus atomic rollback feature is true?

- A. it restores the default manufacturing configuration.
- B. Each error must be acknowledged prior to implementation.
- C. it is implemented only if error occur.
- D. it is implemented and any errors are skipped.

Answer: C

NEW QUESTION 3

In a Cisco Data center network, what troubleshooting step would you do first when having a npv issue?

- A. Check to see if npv is enabled
- B. Check name server database to see if it recognizes device
- C. Check detail config of FCNS database
- D. Check the show-tech-support detail

Answer: A

NEW QUESTION 4

A customer has a Cisco UCS Center cluster. The customer configures LDAP as the AAA protocol and enables SSL for LDAP. The LDAP authentication fails. Which issue is the cause of the failure?

- A. The LDAP client passed an incorrect from the trustpoint.
- B. The CA certificate is missing from the trustpoints.
- C. The LDAP server limit that is set by an administrative authority was exceeded.
- D. The LDAP time limit that is specified by either the client or the server was exceeded.

Answer: D

NEW QUESTION 5

Which two maintenance policy options can you use to specify when the Cisco UCS Manager deploys a service profile change? (Choose two)

- A. on the next reboot
- B. when acknowledged by any user
- C. immediately
- D. when acknowledged by a user with root privileges
- E. when acknowledged by a user with administrator privileges

Answer: CE

NEW QUESTION 6

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

Answer: C

NEW QUESTION 7

Within Cisco UCS Manager, which two types of objects can be restricted by using RBAC? (Choose two.)

- A. service profiles
- B. roles
- C. users
- D. locales
- E. RADIUS

Answer: BD

NEW QUESTION 8

Refer to the exhibit.

```

UCS-A# scope fabric-interconnect a
UCS-A /fabric-interconnect # show storage
Storage on local flash drive of fabric interconnect:
  Partition          Size (MBytes)    Used Percentage
  -----
  bootflash          12658            85
  opt                 1812             2
  workspace           327              4
    
```

The firmware fails while using AutoInstall. What cloud cause this issue?

- A. A maximum of two active partitions is permitted when using AutoInstall
- B. The bootflash partition exceeded 70 percent of the capacity of the flash drive.
- C. The license for the Advance Services package must be installed.
- D. The workspace partition must be at least 10 percent of the flash drive.

Answer: B

NEW QUESTION 9

You install a new DIMM in a Cisco UCS C-Series standalone rack server and that DIMM is not recognized by the server. What actions do you take to troubleshoot the problem? (Choose two)

- A. Remove an old DIMM from the blue memory slot and install the new DIMM there.
- B. Verify that the DIMM has been qualified to work on Cisco UCS servers.
- C. Return the DIMM for a new replacement.
- D. Remove and dispose of the bad DIMM.
- E. Verify that the DIMM is in a slot that supports an active CPU.

Answer: BD

NEW QUESTION 10

You are configuring a Cisco Nexus 9000 Series Switch. Which configuration can be implemented for VXLAN BGP EVPN?

- A. VXLAN BGP EVPN by using an NVE interface in a default VRF
- B. ACLs on the Layer 3 uplinks for the VXLAN traffic
- C. QoS classification for the VXLAN traffic on all of the interfaces
- D. DHCP snooping on the VXLAN VLANs

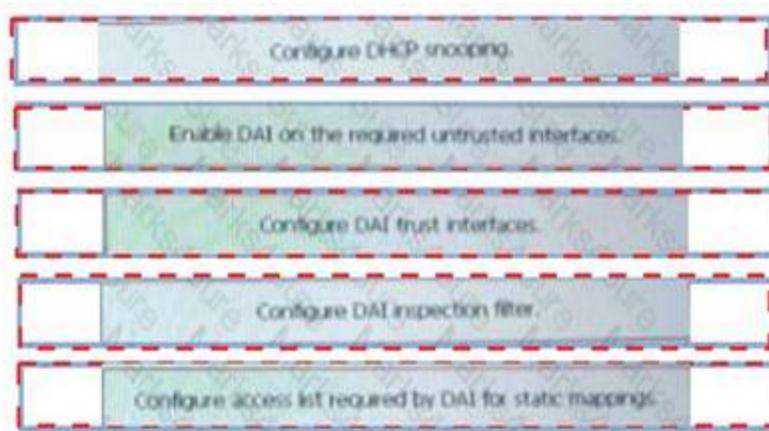
Answer: B

NEW QUESTION 10

You must troubleshoot an issue with DAI on a Cisco Nexus switch. Drag and drop the DAI configuration steps from the left into the order they must be implemented in our right.

Answer:

Explanation:



NEW QUESTION 15

Refer to the exhibit Which description of the result is true?

```

Nexus7K-1 Config
interface loopback1
 ip address 10.100.1.1/32
 ip pim sparse-mode
 ip pim bsr bsr-candidate loopback0
 ip pim bsr rp-candidate loopback0 group-list
 224.0.11.0/24
 ip pim bsr forward listen

Nexus7K-2 Config
interface loopback01
 ip address 10.100.2.1/32
 ip pim sparse-mode
 ip pim bsr bsr-candidate loopback0
 ip pim bsr rp-candidate loopback0 group-list
 224.0.0.0/16
 ip pim bsr forward listen
    
```

- A. Nexus7K-2 is the RP for all of the multicast addresses specified in the 224.0.11.0/24 group list.
- B. Nexus7K-1 is the RP for all of the multicast addresses specified in the 224.0.11.0/24 group list.
- C. Nexus7K-2 is the RP for all of the multicast traffic on the network.
- D. Nexus7K-1 is the RP for all of the multicast traffic on the network.

Answer: B

NEW QUESTION 18

What is the default number of dynamic vNICs that is specified by the Cisco UCS Manager when creating a dynamic vNIC connection policy?

- A. 54
- B. 128
- C. 256
- D. 257

Answer: A

NEW QUESTION 23

You are troubleshooting a Cisco Nexus 1000V Series Switch. Which command can you use to re-establish communication between VSM and VMware vCenter?

- A. reset
- B. connect
- C. setup
- D. reload

Answer: B

NEW QUESTION 24

What is the default number of dynamic vNICs that is specified by the Cisco UCS Manager when creating a dynamic vNIC connection policy?

- A. 256
- B. 54
- C. 128
- D. 257

Answer: B

NEW QUESTION 25

Which two statements are true regarding vPC configuration? (Choose two.)

- A. With vPC, there are no blocked ports.
- B. vPC uses hash-based EtherChannel load balancing.
- C. There are STP-blocked redundant links.
- D. There is VLAN-based load balancing.
- E. There is higher oversubscription.

Answer: AB

NEW QUESTION 29

Which three of these would cause two switch fabrics not to merge? (Choose three.)

- A. Two or more switches do not have at least one assigned domain ID in common.
- B. Two switches have different assigned VSANs on the connecting ports.
- C. Two switches have different assigned VLANs on the connecting ports.
- D. The static domain ID does not override the dynamic ID.
- E. The election of the static domain is only determined by the WWNs of the two switches.
- F. The physical connectivity between the two switches is not active.

Answer: ABF

NEW QUESTION 31

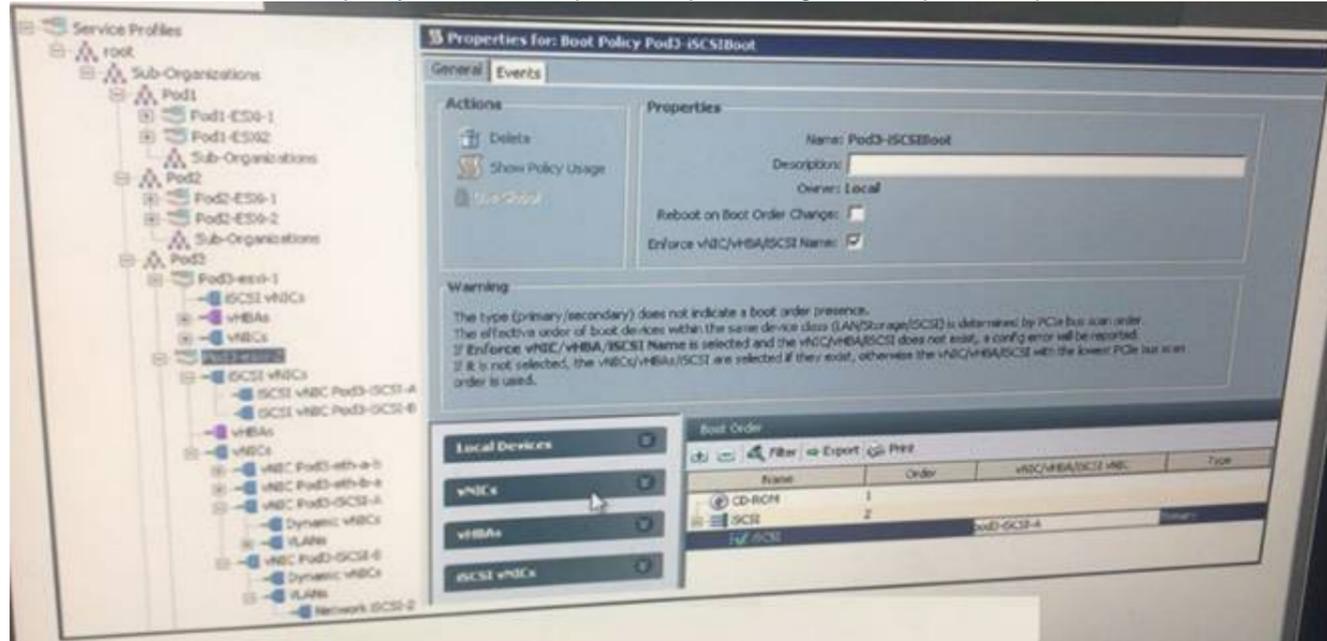
Which command displays the traffic statistics for a port channel interface?

- A. show interface port-channel channel-number
- B. show port-channel traffic
- C. show port-channel usage
- D. show port-channel compatibility-parameters

Answer: B

NEW QUESTION 35

Refer to exhibit. After a boot policy is added, the profile stops working. Which option is a possible cause of the issue?



- A. An iSCSI adapter is being used on top of the vNIC.
- B. Both of the adapters from fabric A and fabric B must be specified.
- C. The name of the adapter is incorrect.
- D. The boot target does not exist.

Answer: A

NEW QUESTION 40

A customer is deploying multihop FCoE in its network. Which guideline must the customer follow with respect to VE ports to make this deployment possible?

- A. Auto mode on the vFC interface is supported.
- B. VE-port trunking is supported over FCoE-enabled VLANs.
- C. VE-port interface binding to MAC addresses is supported.
- D. A VE port is disabled for trunk mode by default.

Answer: B

NEW QUESTION 45

Refer to the exhibit. Anycast RP fails. Which two actions do you perform to resolve the issue? (Choose two.)

Nexus 1	Nexus 2
<pre>ip pim rp-address 10.1.1.1 group-list 225.0.0.0/4 ip pim anycast-rp 10.1.1.1 10.11.11.1 ip pim anycast-rp 10.1.1.1 10.22.22.2 interface loopback1 ip address 10.11.11.1/32 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode interface loopback2 ip address 10.1.1.1/32 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode interface Ethernet1/1 ip address 10.10.10.1/24 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode interface Ethernet1/2 ip address 10.20.20.1/24 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode</pre>	<pre>ip pim rp-address 10.1.1.2 group-list 225.0.0.0/4 ip pim ssm range 232.0.0.0/8 ip pim anycast-rp 10.1.1.1 10.11.11.1 ip pim anycast-rp 10.1.1.1 10.22.22.2 interface loopback1 ip address 10.22.22.2/32 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode interface loopback2 ip address 10.1.1.2/32 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode interface Ethernet1/1 ip address 10.10.10.2/24 ip router ospf 1 area 0.0.0.0 ip pim sparse-mode interface Ethernet1/2 ip address 10.30.30.1/24 ip router ospf 1 area 0.0.0.0 ip pim</pre>

- A. Configure the IP address of Anycast RP to use the multicast range.
- B. Change the loopback2 interface on Nexus 2 to 10.1.1.1/32.
- C. Change the pim rp-address on Nexus 2 to 10.1.1.1.
- D. Add the pim ssm range to Nexus 1.
- E. Set the pim ssm range on Nexus 2 to 225.0.0.0/24

Answer: BC

NEW QUESTION 46

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

NEW QUESTION 48

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

Answer: A

NEW QUESTION 51

Which option is exchanged between neighbors during OTV adjacency formation across the Layer 3 multicast network?

- A. IGMP packets
- B. OTV open messages
- C. L1 IS-IS Hello packets
- D. OTV adjacency packets

Answer: B

NEW QUESTION 56

Refer to the exhibit.

ID is duplicated assigned

You see the fault when configuring a global ID pool on Cisco UCS Central. Which scenario could cause the issue?

- A. Global service profiles consume IDs from the blocks that have an assigned ID range qualifier
- B. The same ID is assigned to the service profiles in two registered domains.
- C. The same ID is defined in Cisco UCS Central and Cisco UCS Manager.
- D. The same IP address is configured in two registered domains.

Answer: B

NEW QUESTION 60

Which two ports must be open on a VMware vCenter server to allow communications to a Cisco Nexus 1000V Series Switch? (Choose two)

- A. 80
- B. 443
- C. 21
- D. 2010
- E. 20

Answer: AB

NEW QUESTION 61

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

Answer: A

NEW QUESTION 62

An administrator disassociates the service profile from a server. What happens to the identity and connectivity information for the physical server?

- A. it takes parameters of other servers in the service profile.
- B. it is reset to factory details.
- C. it uses master service profile parameters.
- D. it is maintain and can be reused.

Answer: D

NEW QUESTION 65

After disassociating a service profile from a server, you attempt to associate the service profile to a different server. Which policy in the service profile can prevent it from being associated to a different server?

- A. SAN connectivity
- B. maintenance
- C. LAN connectivity
- D. power management

Answer: D

NEW QUESTION 69

On the secondary vPC switch, under which circumstance does the vPC autorecovery feature not bring up the vPC member ports?

- A. Peer link fails, and subsequently, the peer-keepalive link fails.
- B. Peer link is up, and the peer-keepalive link fails.
- C. Both vPC peers are reloaded, and the primary does not come back up.
- D. Peer link fails, and subsequently, the primary switch fails.

Answer: B

NEW QUESTION 71

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

Answer: AB

NEW QUESTION 72

Refer to the exhibit.

```

adapter 1/1/1 (fls):6# lunlist 6
vnic : 6 lifid: 4
- FLOGI State : flogi est (fc_id 0xa80038)
- PLOGI 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 access failure
- REPORT LUNs Query Response
LUN ID : 0x0000000000000000
- Nameserver Query Response
- WWPN : 50:06:01:62:39:a0:1d:b6
    
```

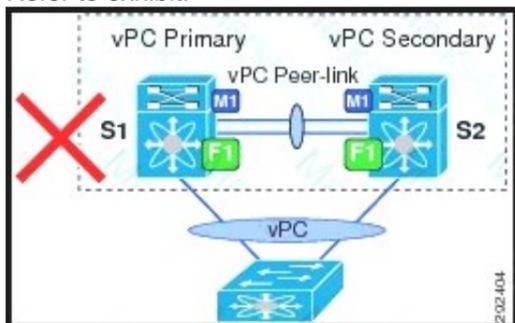
You have a server that fails to boot *which option is a possible cause of the issue?

- 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

Answer: D

NEW QUESTION 77

Refer to exhibit.



Customer has a pair of Cisco Nexus7010s switches and connected to a single Cisco Nexus5548 switch via vPC. Customer has a combination of M1 and F1 I/O Modules in Cisco Nexus7010s.

Why is the design described not supported?

- A. Mixing I/O Modules on the Same Side of a Peer Link is not supported
- B. vPC does not support split control plane
- C. You can not configure a vPC peer link to configure two devices as vPCs
- D. Need to add another Cisco Nexus5548 switch to the topology to make this work.

Answer: A

NEW QUESTION 79

Which CLI command identifies the service profile that is associated with a particular compute blade, VIF, vNIC type, link state, and pinned interface?

- A. show service-profile path server 1/2
- B. show service-profile circuit server 1/2
- C. show server-blade circuit server 1/2
- D. show server-blade path server 1/2

Answer: B

NEW QUESTION 82

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

Answer: A

NEW QUESTION 85

Refer to the exhibit.

```

Last clearing of "show interface" counters never
30 seconds input rate 0 bits/sec, 0 packets/sec
30 seconds output rate 0 bits/sec, 0 packets/sec
Load-Interval #2: 5 minute (300 seconds)
  input rate 0 bps, 0 pps; output rate 0 bps, 0 pps
RX
  0 unicast packets  0 multicast packets  0 broadcast packets
  0 input packets  0 bytes
  0 jumbo packets  0 store suppression bytes
  0 runs  0 giants  0 CRC  0 no buffer
  0 input error  0 short frame  0 overrun  0 underrun  0 ignored
  0 watchdog  0 bad etype drop  0 bad proto drop  0 if down drop
  0 input with dribble  0 input discard
  0 Rx pause
TX
  0 unicast packets  0 multicast packets  0 broadcast packets
  0 output packets  0 bytes
  0 jumbo packets
  0 output errors  0 collision  0 deferred  0 late collision
  0 lost carrier  0 no carrier  0 babble  0 output discard
  0 Tx pause
0 interface resets

HSK# show int e1/15 transceiver
Ethernet1/15
  transceiver is present
  type is SFP-10GBASE-T
  name is CISCO-METHODE
  part number is SP7041
  revision is D
  serial number is 00000NIC104502HG
  nominal bitrate is 1000 Mbit/sec
  Link length supported for copper is 100 m
  cisco id is --
  cisco extended id number is 4
    
```

The output displays a failed SFP validation. What is the cause of the failure?

- A. The fiber is not connected to the SFP
- B. The SFP is not a valid Cisco SFP
- C. The speed needs to be changed to 10000,
- D. The speed needs to be changed to 1000

Answer: A

NEW QUESTION 88

After a data center is upgraded with new Cisco Nexus switches, some of the links using multimode fiber no longer work, which type Of multimode cables are valid?

- A. OM4 cable for 700 mat 10 Gb
- B. OM3 cable for 50 m at 40 Gb with QSFP BiDi
- C. OM4 cable for 150 m at 40 Gb QSFP BiDi
- D. OM2 cable for 550 mat 10 Gb

Answer: B

NEW QUESTION 89

You plan to troubleshoot EPG communication by using atomic counters. What do you consider before using the atomic counters?

- A. Atomic counters only property in a transit, non-full-mesh topology,
- B. Atomic counters count the traffic for the endpoints that are located in different VRFs.
- C. Atomic counters do not count the traffic between EPGs that reside in different VRFs.
- D. Atomic counters also count spine proxy traffic

Answer: C

NEW QUESTION 91

You use external storage to boot Cisco UCS B-series servers, The servers also have internal disks, You discover that one of the servers fails to boot from the SAN Other servers successfully boot from the SAN, What are too possible causes of the Issue? (Choose too)

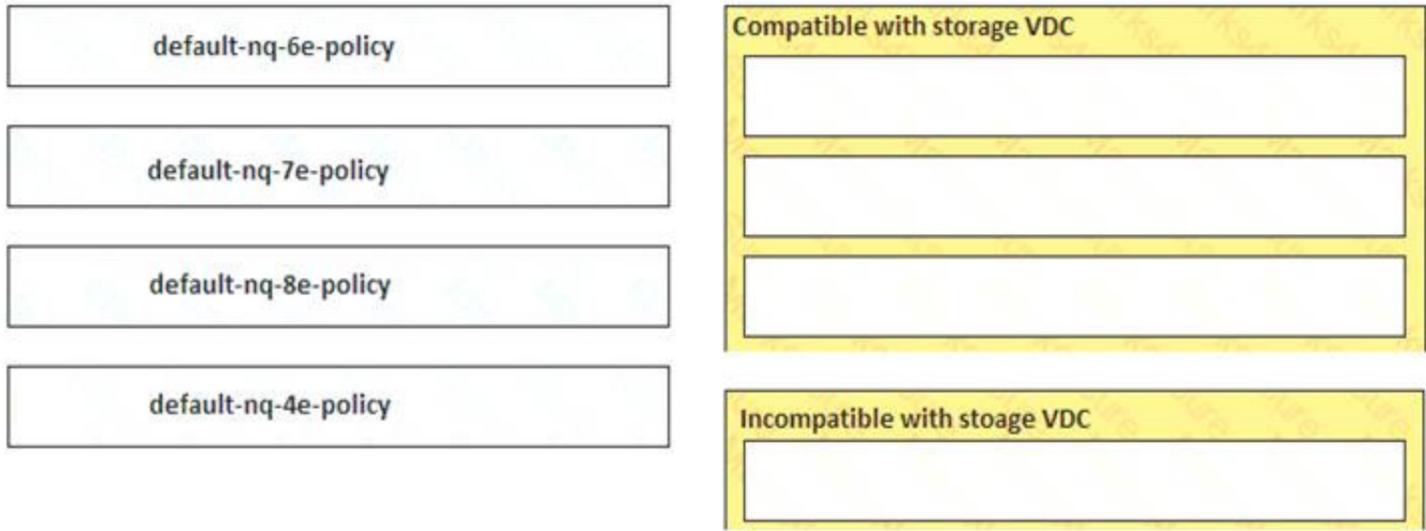
- A. cabling
- B. the QoS settings on the Fabric Interconnect
- C. the power consumption of the blade
- D. zoning
- E. LUN masking on the storage array

Answer: DE

NEW QUESTION 93

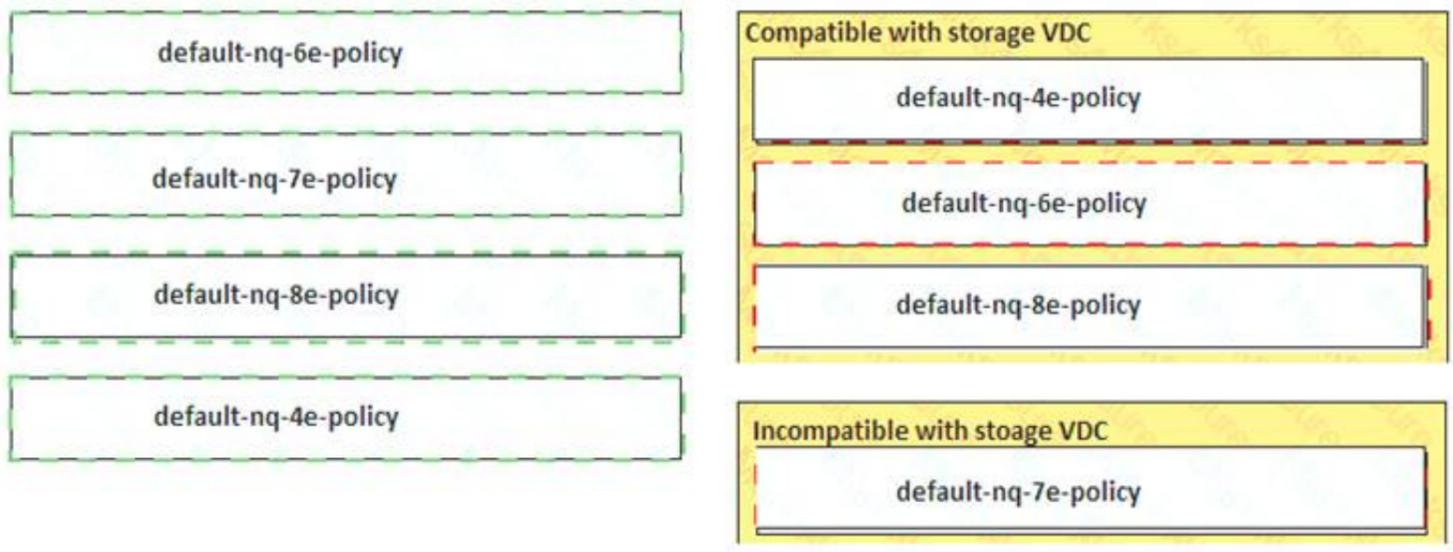
Refer to the exhibit.

You are configuring a FCoE VDC on a Cisco Nexus 7000 Series Switch. You are required to identity compatible QoS policies for the FCoE VDC. Drag and drop the QoS policy names on the left to their correct compatibility categories on the right.



Answer:

Explanation:



NEW QUESTION 98

An engineer enters the show svs neighbors command as shown below. Which statement describes the output of the command?

```
switch# show svs neighbors
Active Domain ID: 1030

AIPC Interface MAC: 0050-568e-58b7
Inband Interface MAC: 0050-568e-2a39

Src MAC      Type Domain-id  Node-id  Last learnt (Sec. ago)
-----
0002-3d44-0602  VEM 1030      0302     314318.29
```

- A. The VSM cannot connect to the VEM.
- B. The vCenter server cannot connect to the VSM.
- C. The VSM is connected to the VEM by using an Layer 2 network.
- D. The VSM is connected to the VEM by using an Layer 3 network.

Answer: B

NEW QUESTION 99

Which statement is true regarding STP?

- A. When the spanning-tree topology is calculated based on default parameters, the path between the source and destination end stations in a switched network might not be ideal.
- B. The path between the source and the destination end stations is always ideal with the default spanning-tree parameter.
- C. The path between the source and the destination end stations is determined by the speed of the link; the slowest link speed will become the root port during the election.
- D. The path between the source and the destination end stations is determined by the lowest MAC address; the lowest MAC address will become the root port during the election.

Answer: A

NEW QUESTION 104

Refer to the exhibit. The two switches are stuck in the EXCHANGE and EXSTART states. Which option is a possible cause of the issue?

```
N7k-1# show ip ospf neighbor
Neighbor ID Pri State      Dead Time Address  Interface
10.10.1.2  1  EXCHANGE/ - 00:00:26 10.10.1.2  Ethrenet1/1

Nk7-2# show ip ospf neighbor
Neighbor ID Pri State      Dead Time Address  Interface
10.10.1.1  1  EXSTART/  - 00:00:23 10.10.1.1  Ethernet2/3
```

- A. The subnet mask is mismatched.
- B. The interfaces are not connected.
- C. The MTU is mismatched.
- D. The IP address of the OSPF process is incorrect.

Answer: C

NEW QUESTION 105

Within Cisco UCS Manager you create a user named ccnpdc and an organization named ccnpdc. The administrator to whom the ccnpdc credentials are assigned fails to access the ccnpdc organization. What must you do to provide the ccnpdc user access to the ccnpdc organization?

- A. assign a locale
- B. assign a role
- C. set the password expire time
- D. enable the user account

Answer: A

NEW QUESTION 109

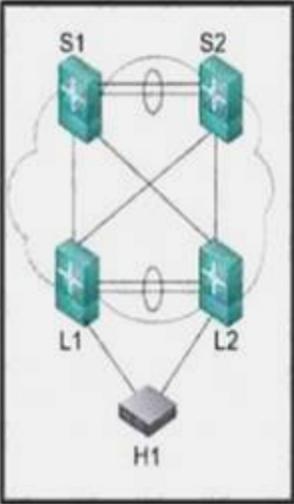
After moving Cisco UCS to a new data center that has a different management IP network, you discover that the KVM Stops working. What is a possible cause of the issue?

- A. The management IP block uses the same subnet as the management port of the UCSM.
- B. The management IP block uses a different subnet than the management port of the UCSM.
- C. The management IP block is not cleared,
- D. The management IP block is not defined.

Answer: B

NEW QUESTION 113

Refer to the exhibit.



L1-Configuration:

```
vpc domain 500
peer-keepalive destination 10.0.8.212
fabricpath switch-id 100

interface port-channel1
switchport mode fabricpath
spanning-tree port type network
speed 10000
vpc peer-link
```

L2-Configuration:

```
vpc domain 500
peer-keepalive destination 10.0.8.211
fabricpath switch-id 101

interface port-channel1
switchport mode fabricpath
spanning-tree port type network
speed 10000
vpc peer-link
```

You are troubleshooting a vPC+ configuration issue. Which reason could cause the issue?

- A. The peer-keepalive destination must match on each leaf switch
- B. The FabricPath switch ID between the leaf switches must be the same
- C. The spanning tree is not used in Cisco FabricPath, so the command on port channel 1 must be removed
- D. The spanning tree port type on port channel 1 must be set to trunk

Answer: A

NEW QUESTION 115

You are using the CISCO ACI programmatic features and you receive this error message from the REST API Token Was invalid (Error: Token timeout) Which option is a possible cause Of the error?

- A. The REST API requires that a login is refreshed
- B. The header or request sent to the web server IS malformed such that the request cannot be parsed by the web server
- C. The HTTP port is disabled on the Cisco APICs and HTTPS is enabled
- D. The CISCO APIC fails to resolve the distinguished name.

Answer: A

NEW QUESTION 119

Which two conditions can prevent vFC from coming up? (Choose two.)

- A. PFC is enabled.
- B. DCBX is disabled.
- C. LDP is disabled.
- D. vPC is enabled.
- E. VSAN trunking is enabled

Answer: BC

NEW QUESTION 120

Refer to the exhibit.

```

UCS-A# show service-profile circuit server 1/6
Service Profile: test1
Server: 1/6
Fabric ID: A
Path ID: 1
VIF vNIC Link State Oper State Prot State Prot Role Admin Pin Oper Pin Transport
-----
692 eth0 Error Error Active Primary 0/0 0/0 Ether
Fabric ID: B
Path ID: 1
VIF vNIC Link State Oper State Prot State Prot Role Admin Pin Oper Pin Transport
-----
693 eth0 Up Active Passive Backup 0/0 1/15 Ether
    
```

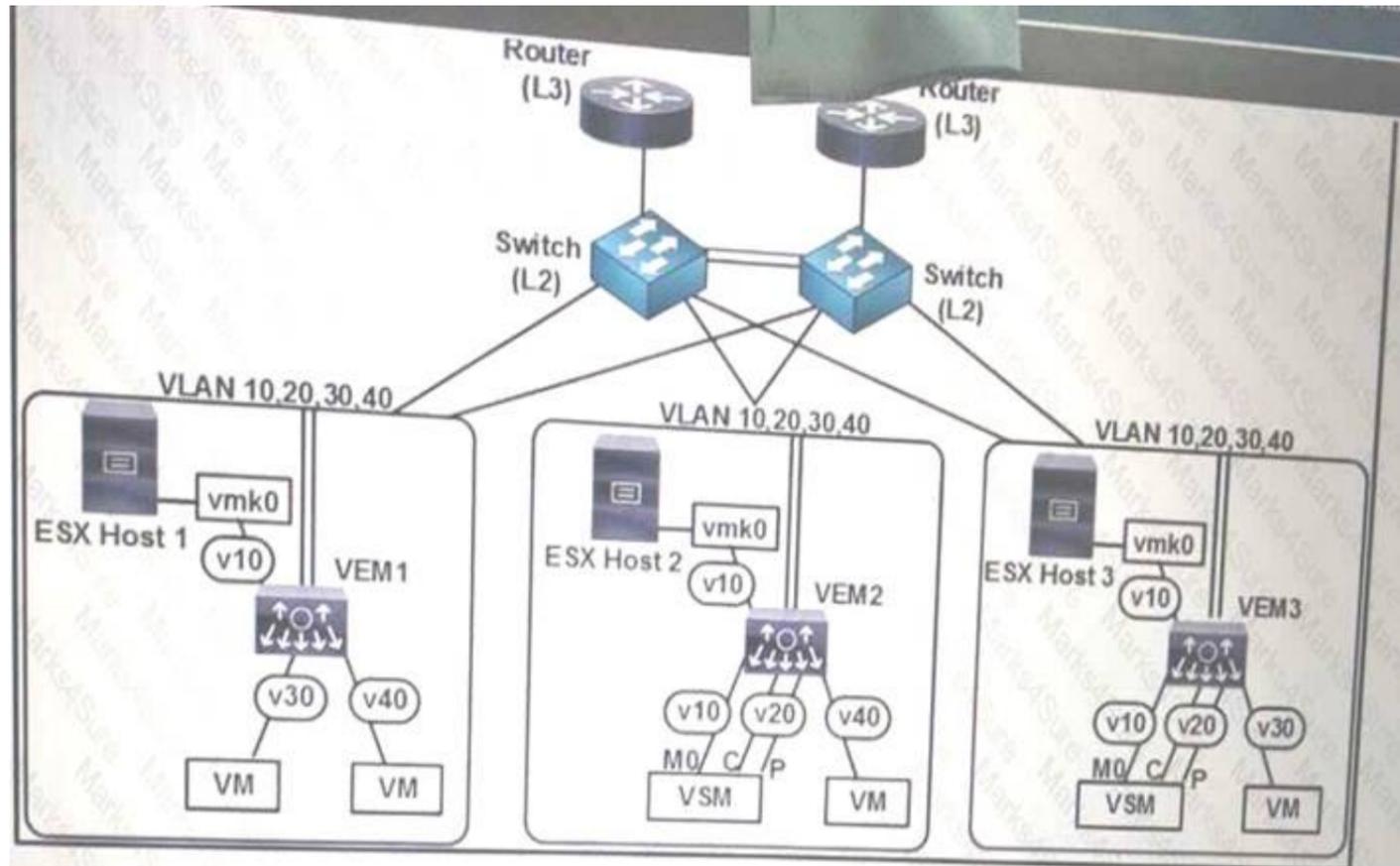
You have fabric interconnects. You discover that all traffic flows through a fabric interconnect named fabric-interconnect B. Which of the following could cause the issue?

- A. An administrator evacuated fabric-interconnect A.
- B. There is a version mismatch between the fabric interconnects.
- C. An administrator assigned an invalid OOB IP address to fabric-interconnect B.
- D. the fabric interconnects have duplicate IP address.

Answer: A

NEW QUESTION 123

Refer to the exhibit.



The VEMs fail to join a Cisco Nexus 1000V Series Switch. You determine that a system VLAN must be set on a system-uplink port profile. Which VLAN do you configure as a system VLAN?

- A. 40
- B. 10
- C. 20
- D. 30

Answer: B

NEW QUESTION 124

Refer to the exhibit.

```
%STP-2-L2GW_BACKBONE_BLOCK: L2 Gateway Backbone port inconsistency blocking port
port-channel100 on VLAN0010.
```

Which conditions can trigger on a Cisco Nexus device running FabricPath?

- A. A switch connected to the Cisco Nexus device is running RSTP instead of STP.
- B. ABPDU with bridge priority set to 61140 is received by the switch edge port.
- C. The switch edge port in the STP domain is not configured as root.
- D. VLAN is configured incorrectly on port-channel 100.

Answer: C

NEW QUESTION 125

Which command do you to identify whether the ACI fabric discovered and the TEP addresses are assigned?

- A. Show lldp neighbors
- B. acidiag fmvread
- C. Show lldp neighbors node
- D. acidiag fmvread

Answer: B

NEW QUESTION 127

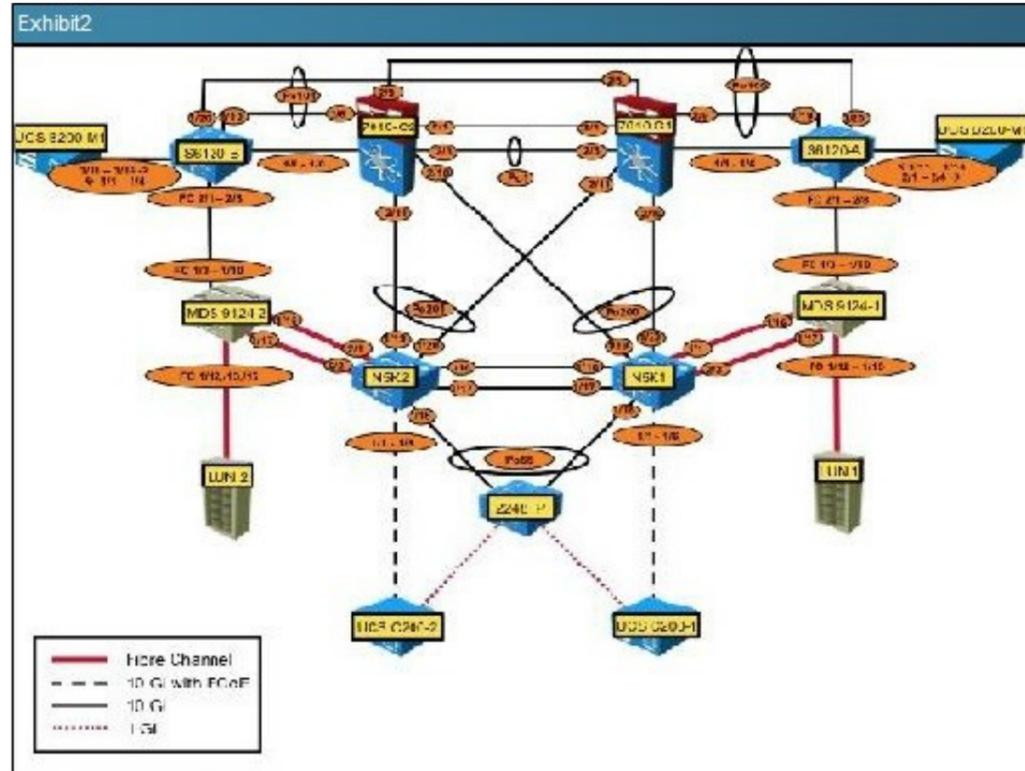
FCoE traffic from C200-1 on VSAN 13 is not being switched through the network. Which statement explains the cause of the problem?

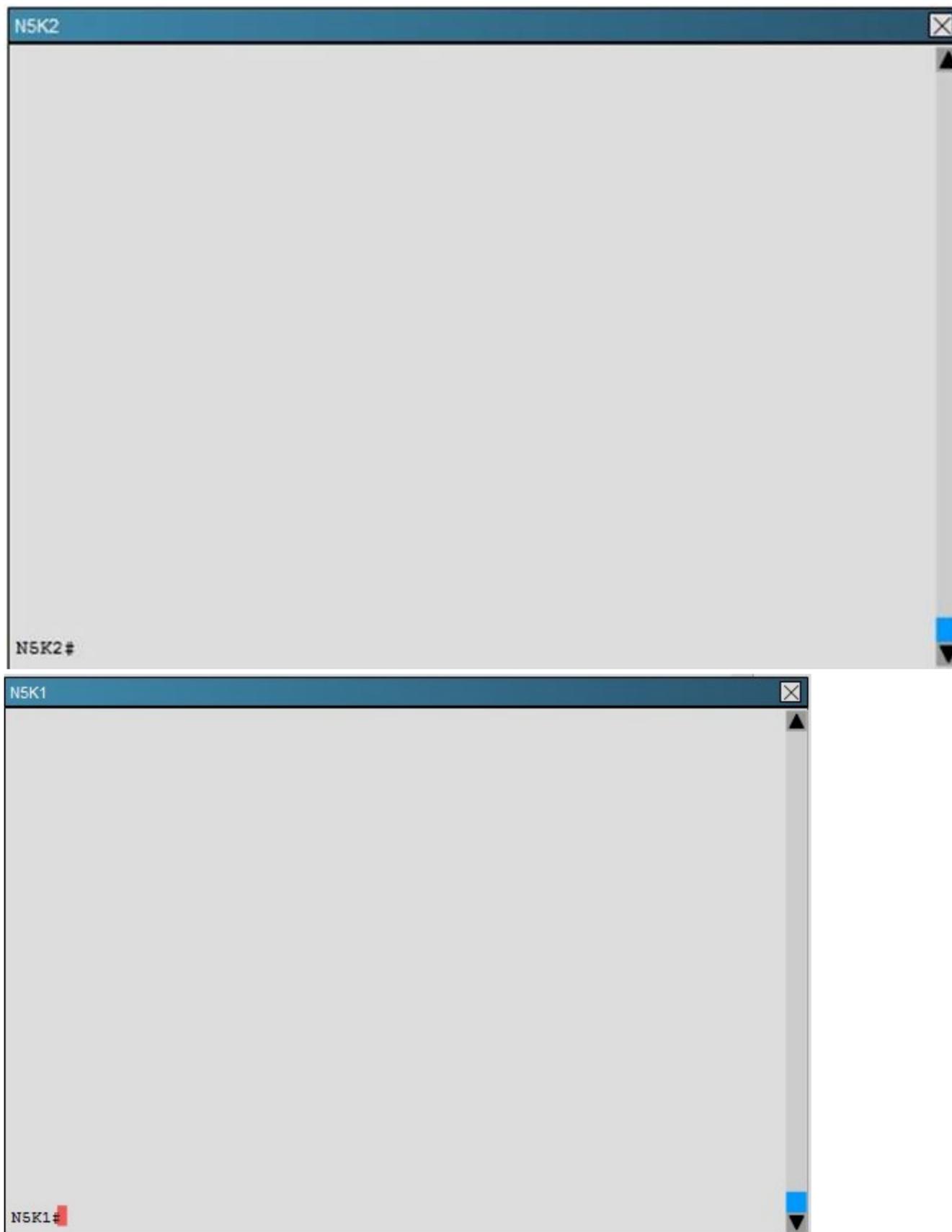
Instructions

- 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.





- A. The LAN switchport on N5K2 must be configured as a trunk.
- B. VLAN 1013 on N5K2 is not allowed on the LAN.
- C. The vFC on N5K2 that is associated with VSAN 13 is in the wrong port mode.
- D. The M1 card on the Nexus 7000 switch does not support FCoE.

Answer: D

NEW QUESTION 131

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.

Answer: C

NEW QUESTION 134

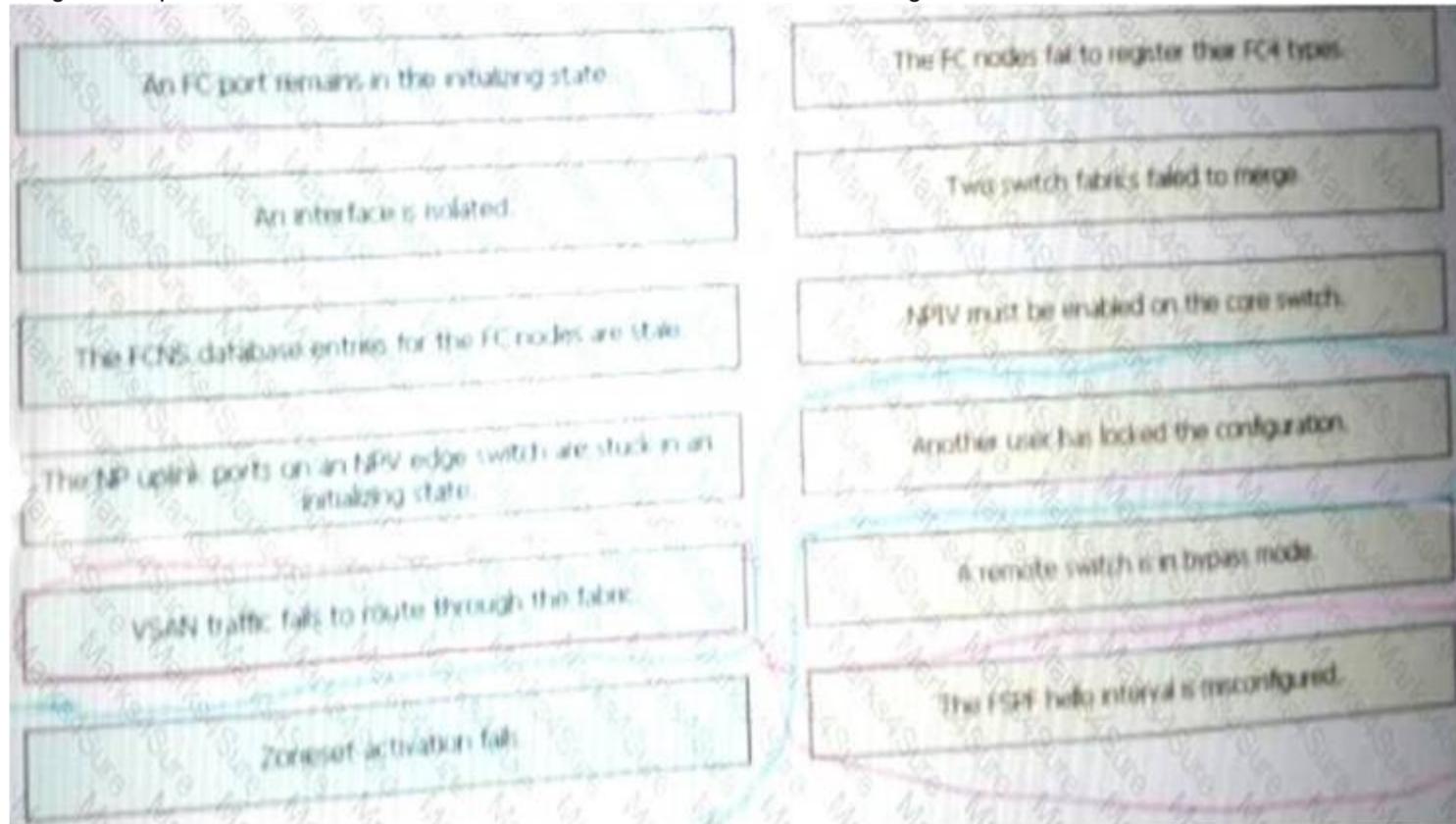
From Cisco UCS Central, you plan to add two Cisco UCS domains that use the same name for the WWPN pool. What must you do to ensure a successful integration?

- A. Rename the pools to have the same name.
- B. Assign WWPN pools to Different users.
- C. Move the WWPN pools to different organizations.
- D. Remove duplicate WWPN pools.

Answer: B

NEW QUESTION 135

Drag and drop the errors on the left to the events that cause the errors on the right.



Answer:

Explanation: from top to bottom:an interface is isolated,an FC port remains,The NP Uplink,Zoneset activation,the FNCS, VSAN

NEW QUESTION 136

You have a Cisco APIC environment. An administrator configures the administrator roles for managing a service configuration You discover that some tenants can import device clusters but cannot use the device clusters What should you do to ensure that the tenants can use the device clusters?

- A. Change the ready-only access permission for the tenants to read-write.
- B. grant the tenants the nw-svc-device privilege.
- C. Grant the tenant the nw-svc-devshared privilege.
- D. Grant the tenant the nw-svc-policy privilege.

Answer: D

NEW QUESTION 141

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.

Answer: A

NEW QUESTION 145

Refer to the exhibit,

```
switch(config-if)# sh int fc2/2
fc2/2 is down (Initializing)
Hardware is Fibre Channel, SFP is short wave laser w/o OFC
(SN)
Port WWN is 20:42:00:0d:ec:a4:3b:80
Admin port mode is NP, trunk mode is on
```

You configure a Cisco Nexus 5000 in NPV mode to enable multiple servers to log in over a single link to the NPV switch. Which option describes why the vfc interface is stuck on "initializing" state?

- A. The load balancing is configured incorrectly on the Cisco Nexus 5000 switch.
- B. The Version of code does not support the NPV feature.
- C. The Cisco Nexus 5000 switch does not have "feature npv" enabled.
- D. The upstream switch does not have "feature npiv" enabled.

Answer: D

NEW QUESTION 147

A customer is troubleshooting FCoE in its network. They have discovered that vFC is currently down and there is no active STP port state on the bound Ethernet interface. What should the STP port state be to correct this issue?

- A. The bound interface should be in an STP forwarding state for the native VLAN only.
- B. The bound interface should be in an STP learning state for both the native VLAN and the member FCoE VLAN that is mapped to the active VSAN.
- C. The bound interface should be in an STP forwarding state for both the native VLAN and the member FCoE VLAN that is mapped to the active VSAN.
- D. The bound interface should be in an STP blocking state for both the native VLAN and the member FCoE VLAN that is mapped to the active VSAN.

Answer: C

NEW QUESTION 151

Refer to the exhibit.

You install a new Cisco Nexus F3-Series module on a Nexus 7700 Series switch. When you attempt to allocate an interface from the module to a new VDC, an error occurs. Which issue could the error?

```
DC-CORE7700(config-vdc)# allocate interface ethernet 1/1 - 3
Moving ports will cause all config associated to them in
source vdc to be removed.
Are you sure you want to move the ports (y/n)? [yes] y
ERROR: 1 or more interfaces are from a module of type not
supported by this vdc
```

- A. Cisco o Nexus F3-Series modules are unsupported in VDCs.
- B. The limit-resource vlan minimum 16 maximum 4094 command missing.
- C. The limit-resource module-type f3 command is missing.
- D. Cisco Nexus f3-Series modules are unsupported on Nexus 7700 Series Switches.

Answer: C

NEW QUESTION 153

Which command on a Cisco Nexus 5000 Series Switch will show the interface information for port 10 on the connected FEX 100?

- A. show interface Ethernet 100/10
- B. show fex 100 interface Ethernet 1/10
- C. show interface Ethernet 100/1/10
- D. show interface Ethernet 1/100/10

Answer: C

NEW QUESTION 154

You receive an error attempting to enable the vPC feature on a Cisco Nexus 7018 Switch. Which Cisco Fabric Services distribution must be operational before the feature can be enabled?

- A. CFSofC
- B. CFSofIP
- C. CFSofV
- D. CFSofE
- E. CFSofM

Answer: D

NEW QUESTION 159

Refer to the exhibit.

```
switch(config-vsan-db)# show interface brief
-----
Interface Vsan Admin Admin Status SFP Oper Oper Port
          Mode Trunk Mode          Mode Speed Channel
          Mode
-----
fc2/4     50    E    off  up    swl  E    2    --

switch(config-if)# show interface brief
-----
Interface Vsan Admin Admin Status SFP Oper Oper Port
          Mode Trunk Mode          Mode Speed Channel
          Mode
-----
fc1fc1/2  100   E    off  up    swl  E    2    --

switch(config-if)# show topo
FC Topology for VSAN 100 :
-----
Interface Peer Domain Peer Interface Peer IP Address
-----
fc1/2     0x42(66) Port 65795  ::

The zoneset shows one member is not active

switch(config-vsan-db)# show zoneset active vsan 100
zoneset name ZoneSet_Host_Storage vsan 100
zone name Zone_Host_Storage vsan 100
pwwn 20:00:00:25:b5:00:20:0e [Host]
* fcid 0x5a0000 [pwwn 50:0a:09:81:86:78:39:66] [Storage]

switch(config-if)# show zoneset active vsan 100
zoneset name ZoneSet_Host_Storage vsan 100
zone name Zone_Host_Storage vsan 100
* fcid 0x640114 [pwwn 20:00:00:25:b5:00:20:0e] [Host]
pwwn 50:0a:09:81:86:78:39:66 [Storage]
```

Customer is having problems with a device in VLAN100? What would fix the problem?

- A. Move the trunk port into VSAN 100.
- B. Change interface fc1fc1/1 into a trunk port and remove VSAN 100.
- C. Change interface fc2/4 into a trunk port.
- D. Change interface fc2/4 into VSAN 100.
- E. Change interface fc1fc1/2 into VSAN 100.

Answer: D

NEW QUESTION 162

Refer to the exhibit.

```
FSPF-3-HELLO_MISMATCH: %$VSAN <vsan-id>%$ Mismatch in Hello timer in the Hello packet on
interface san-port-channel <channel-id>
%FSPF-3-FC2_PROC_ERR: %$VSAN <vsan-id>%$ Error in processing HELLO packet on interface
san-port-channel <channel-id>, Error = Bad packet received
```

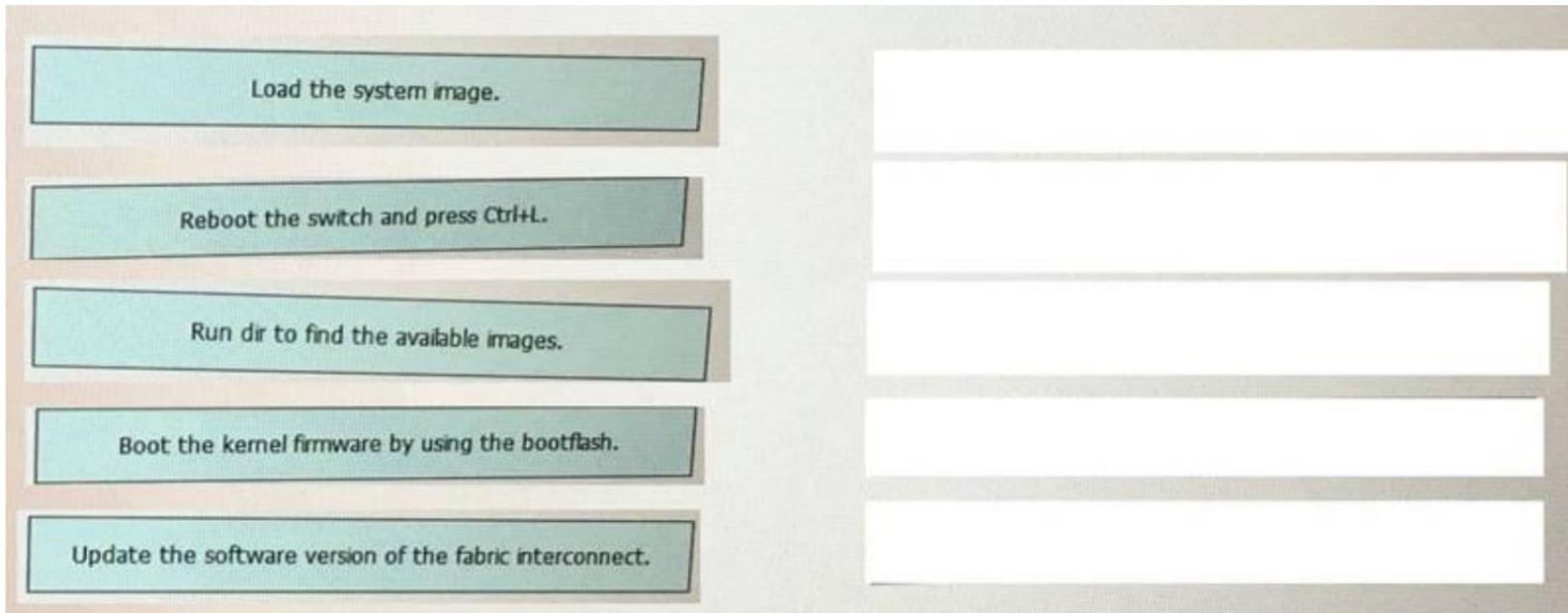
VSAN traffic is not being routed through SAN fabric. Which action is helpful to resolve the problem?

- A. Make sure that the FSPF hello interval value matches on both switches.
- B. Change the FSPF hello timer back to the default of 5 seconds.
- C. Make sure that the FSPF hello timers are different so that they do not compete.
- D. Make sure that the FSPF dead timers are both set to 0.

Answer: A

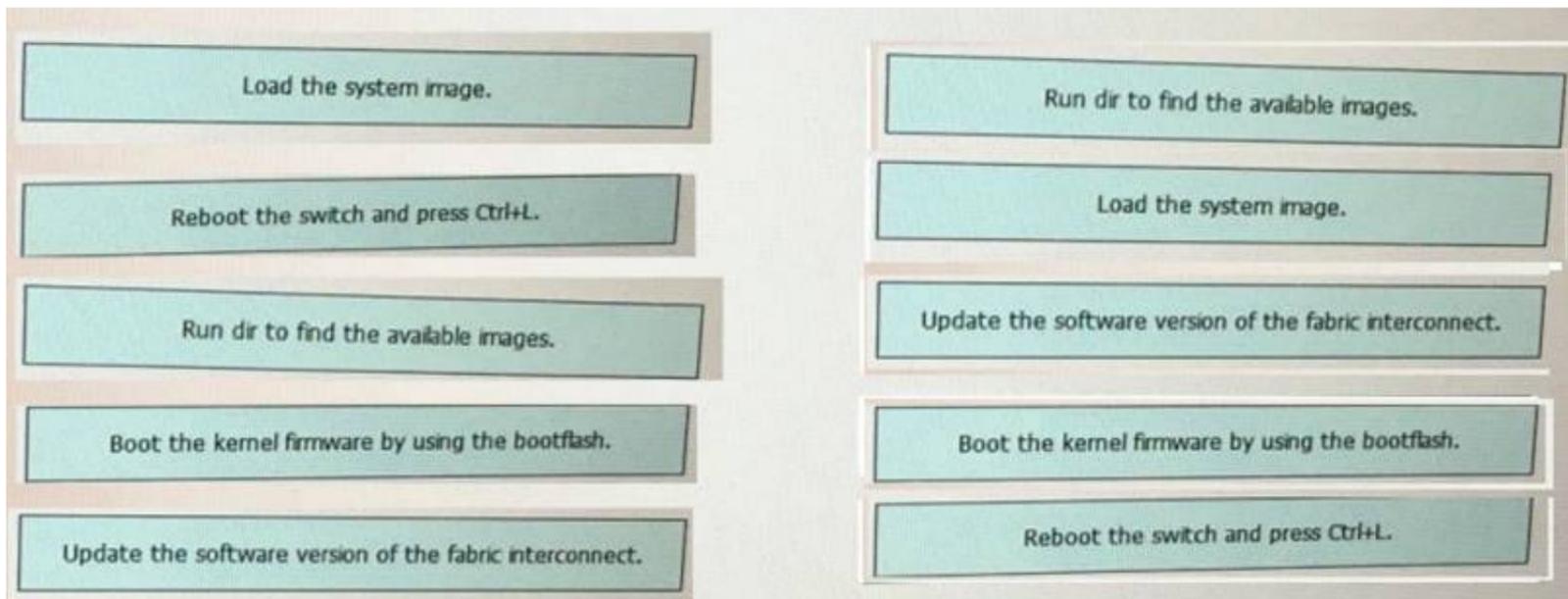
NEW QUESTION 165

Two fabric interconnects fail during a Cisco UCS firmware upgrade. Drag and drop the recovery steps from the left into the correct order on the right.



Answer:

Explanation:



NEW QUESTION 167

Which solution can be applied if there is communication between hosts in different VLANs over Cisco OTV and the hosts are losing connectivity?

- A. Configure an EFM script to clear MAC CAM tables on all deuces every 25 minutes.
- B. Increase the Cisco OTV CAM timers to match the ARP timer on any non-Nexus switches.
- C. Move hosts so that they belong to the same VLAN,
- D. Configure me ARP timers of any non-Nexus switches to be less than the Cisco OTV CAM timer.

Answer: D

NEW QUESTION 171

You have a Cisco UCS Central cluster. An I/O error is detected in the shared storage. What is a possible cause of the issue?

- A. One of the Cisco UCS Central nodes is powered off.
- B. The wrong path selection policy is configured in VMware.
- C. The shared storage LUN was shared by a virtual machine other than the Cisco UCS Central cluster nodes.
- D. The Cisco UCS domain is not registered in Cisco UCS Central.

Answer: C

NEW QUESTION 175

Which three statements are true regarding trunking on an ISL between two switches in order for the VSAN to be trunked? (Choose three.)

- A. The VSAN must be defined on both switches.
- B. The VSAN must be on the VSAN allowed list.
- C. All VSANs that are being trunked must be using either enhanced or non-enhanced mode zoning, but not both.
- D. IVR must be configured for Cisco Fabric Services.
- E. The device alias database must successfully merge.
- F. There cannot be any duplicate domain IDs within an individual VSAN.

Answer: ABF

NEW QUESTION 177

FHRP isolation between data center networks that are connected over an OTV network is a two-step process; the first prevents FHRP peering by filtering FHRP

control packets across the overlay via a VLAN ACL. What is the second step?

- A. Filter the FHRP MAC addresses that are being advertised by IS-IS.
- B. Remove the FHRP VLAN from the OTV extend-vlan list.
- C. Apply a VLAN to a route map that is applied to the OTV routing process.
- D. Disable the auto-population of the OTV MAC address table.

Answer: A

NEW QUESTION 181

Which two statements are true regarding vPC?

- A. There is higher oversubscription
- B. STP is disabled.
- C. With vPC, there are no blocked ports
- D. There is VLAN-based load balancing.
- E. A peer link is required.

Answer: CE

NEW QUESTION 182

Which two conditions can prevent FCoE from functioning properly across a link? (Choose two.)

- A. LLDP is disabled.
- B. PFC was negotiated across the link.
- C. DCBX is enabled on the device.
- D. The VFC interface is down.
- E. The VSAN trunking protocol was enabled.

Answer: AD

NEW QUESTION 183

Refer to the output. feature otv

```
otv site-vlan 2
```

```
otv site-identifier 256
```

```
!
```

```
interface ethernet 2/0
```

```
ip address 192.0.2.1/24 ip igmp version 3
```

```
!
```

```
interface ethernet 2/1 ip address 192.0.2.2/24 ip igmp version 3
```

```
!
```

```
interface Overlay1
```

```
otv control-group 239.1.1.1 otv join-interface ethernet 2/0 otv extend-vlan 3-100
```

```
!
```

```
interface Overlay2
```

```
otv control-group 239.1.1.1 otv join-interface ethernet 2/1 otv extend-vlan 101-115
```

Which command best represents where the control plane configurations are applied?

- A. switch(config-if-overlay)# otv isis hello-interval 30
- B. switch(config-if)# otv isis hello-interval 30
- C. switch(config-vlan)# otv isis hello-interval 30
- D. switch(config)# otv isis hello-interval 30

Answer: A

NEW QUESTION 184

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/SNMP 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
```

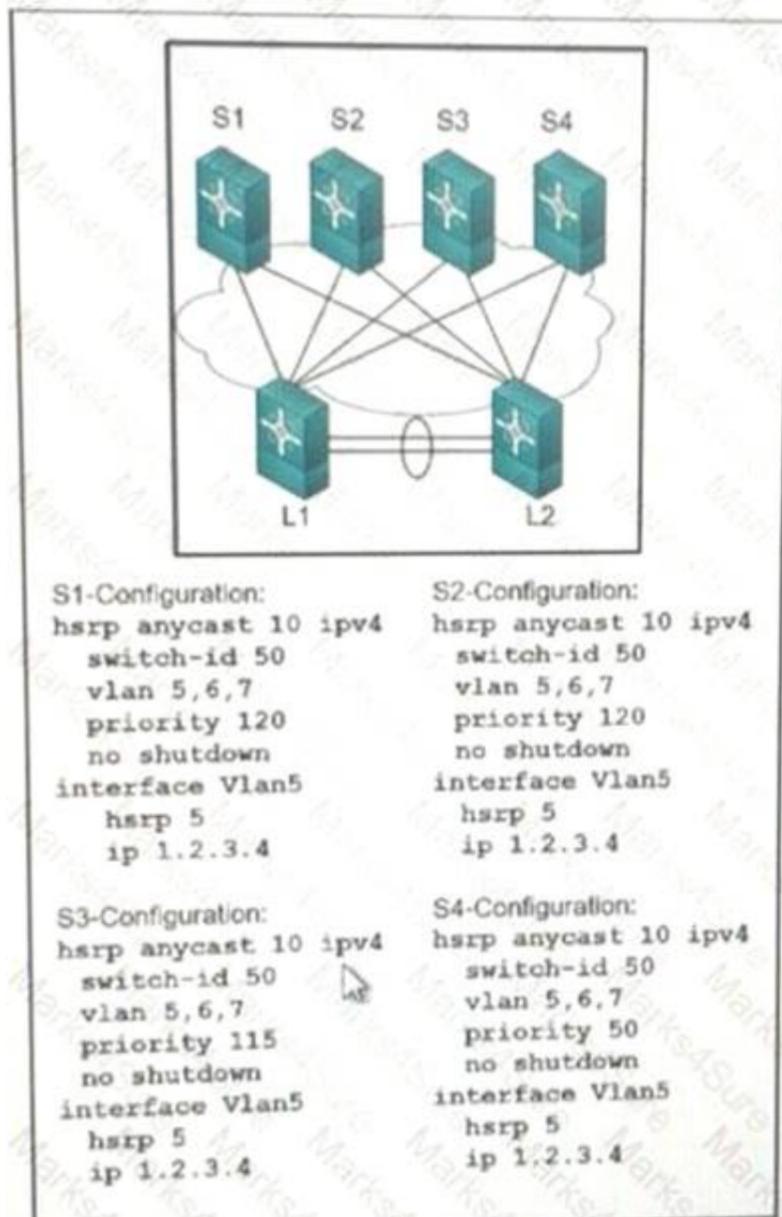
What command should you execute next in resolving a lock failure?

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

Answer: B

NEW QUESTION 189

Refer to the exhibit.



You are troubleshooting a Cisco FabricPath anycast HSRP configuration issue What is the cause of the issue?

- A. L1 and L2 would not be connected.
- B. The switch ID that is used in each switch configuration must be different.
- C. The priority for S1 and S2 is the same in each switch configuration.
- D. HSRP version 2 must be used with HSRP any cast.

Answer: D

NEW QUESTION 190

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
```

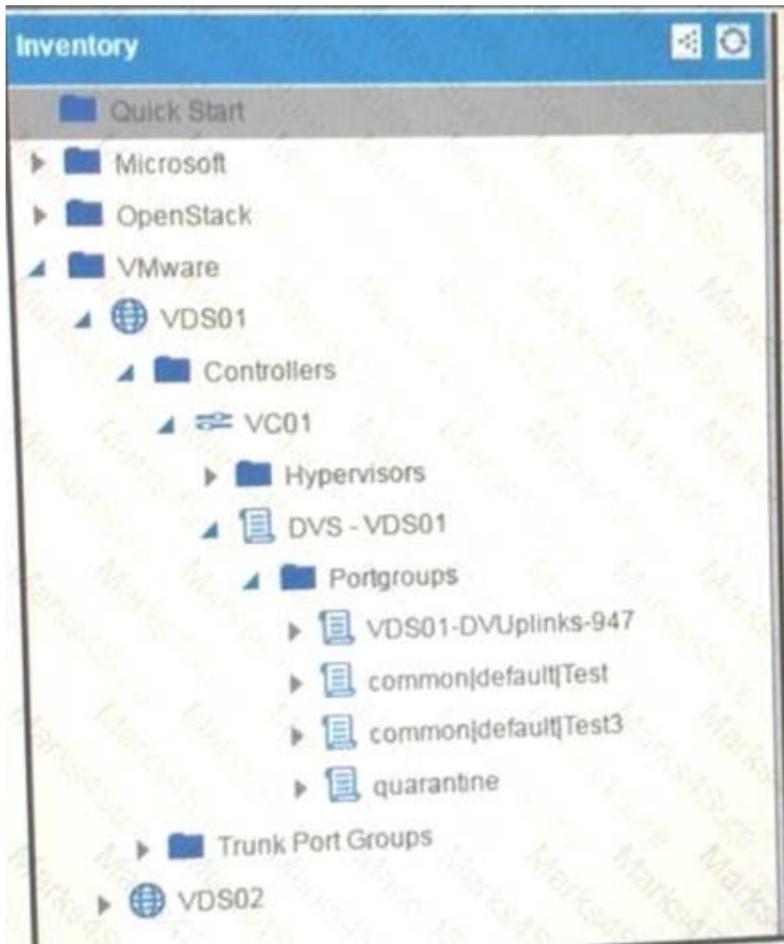
A customer is having problems with NPV. Which of these is the cause of the problem?

- 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. Internal links are down and must be up for the server interface to be up.
- D. VSANs are misconfigured on the upstream ports.
- E. VLANs are misconfigured on the upstream ports.

Answer: D

NEW QUESTION 194

Refer to the exhibit.



You have an EPG named SQL_SERVERS that must be assigned to virtual machines. The SQL_SERVERS EPG fails to appear as a port group on the VMware vSphere web client. Other EPGs appear as port groups on the vSphere web client. Which action do you take to resolve the issue?

- A. Associate the SQL_SERVERS EPG to the VDS01 VMM domain
- B. Create the SQL_SERVERS port group in the APIC GUI.
- C. Place the SQL_SERVERS EPG under quarantine until it is first used.
- D. Create the SQL_SERVERS port group on the vSphere web client.

Answer: B

NEW QUESTION 199

Refer to exhibit.

```

aci-sol-caloc-ucs-A(nxos)# show interface vethernet 813
Vethernet813 is down (initializing)
  Bound Interface is port-channel1282
  Port description is server 1/1, VNIC Data-A
  Hardware is Virtual, address is 8c60.4f01.4420
  Port mode is trunk
  Speed is auto-speed
  Duplex mode is auto
  300 seconds input rate 0 bits/sec, 0 packets/sec
  300 seconds output rate 0 bits/sec, 0 packets/sec
  Rx
    0 unicast packets  0 multicast packets  115 broadcast packets
    115 input packets  32934 bytes
    0 input packet drops
  Tx
    0 unicast packets  29 multicast packets  0 broadcast packets
    29 output packets  8729 bytes
  0 flood packets
    0 output packet drops
    
```

ACisco UCS admin is troubleshooting an issue with a vNIC not coming up on a blade. When looking at the CLI of the "Fabric Interconnect", the admin runs this command to view the status of the interface. Which option describes a possible reason why the interface is stuck in an "initializing" state?

- A. The service profile is not applied to a blade.
- B. The VLANs defined on the vNIC are not defined on a matching uplink port.
- C. The uplink port is down.
- D. The QoS policy on the vNIC is invalid.
- E. The MTU on the vNIC is higher than the MTU configured in the QoS system classes.

Answer: C

NEW QUESTION 204

Refer to the exhibit.

```

VSM-Host3(config)# port-profile type ethernet N1K-Uplink-Host3
VSM-Host3(config-port-prof)# channel-group auto mode active
    
```

You customer reports that the virtual machines operating on Host3 are not communicating with the external network .While troubleshooting you determine these facts:

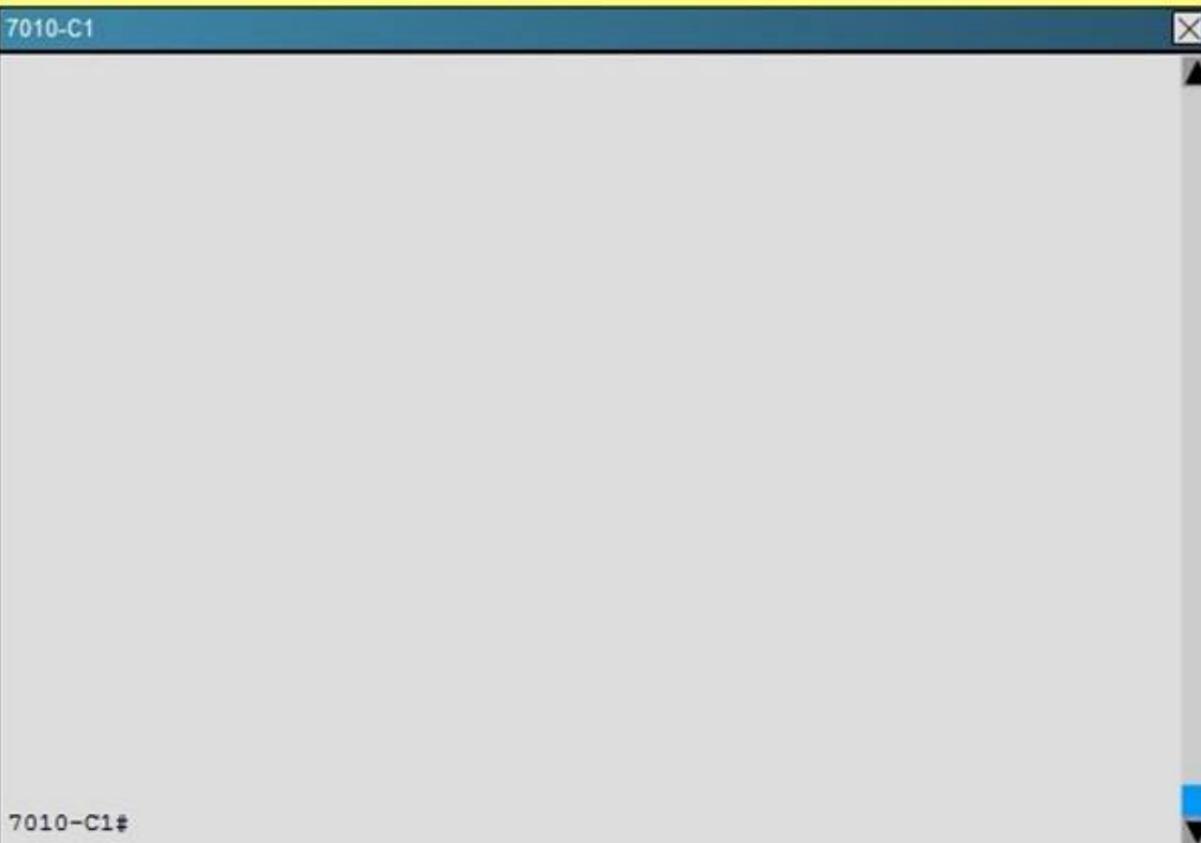
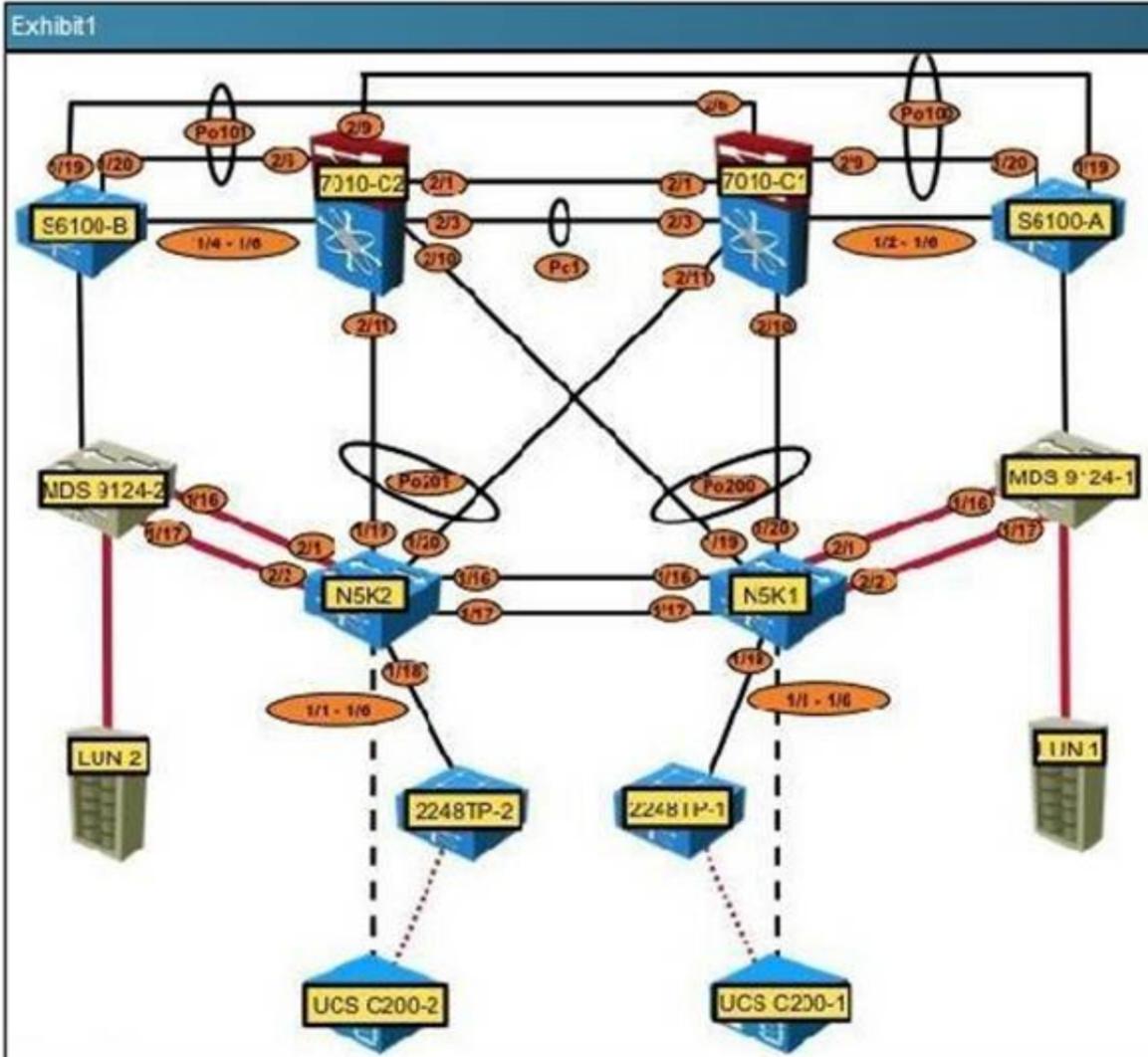
- * Host3 is a UCS blade chassis server connected to two fabric interconnect switches.
- * The fabric interconnect switches are connected to the campus Cisco 6800 core switch.
- * N1Kv is the virtual switch configured on the VMWARE hypervisor installed on Host3.
- * port profile N1k-Uplink-Host3 is connecting Host3 virtual networks to the external network. Which reason is the cause of this problem?

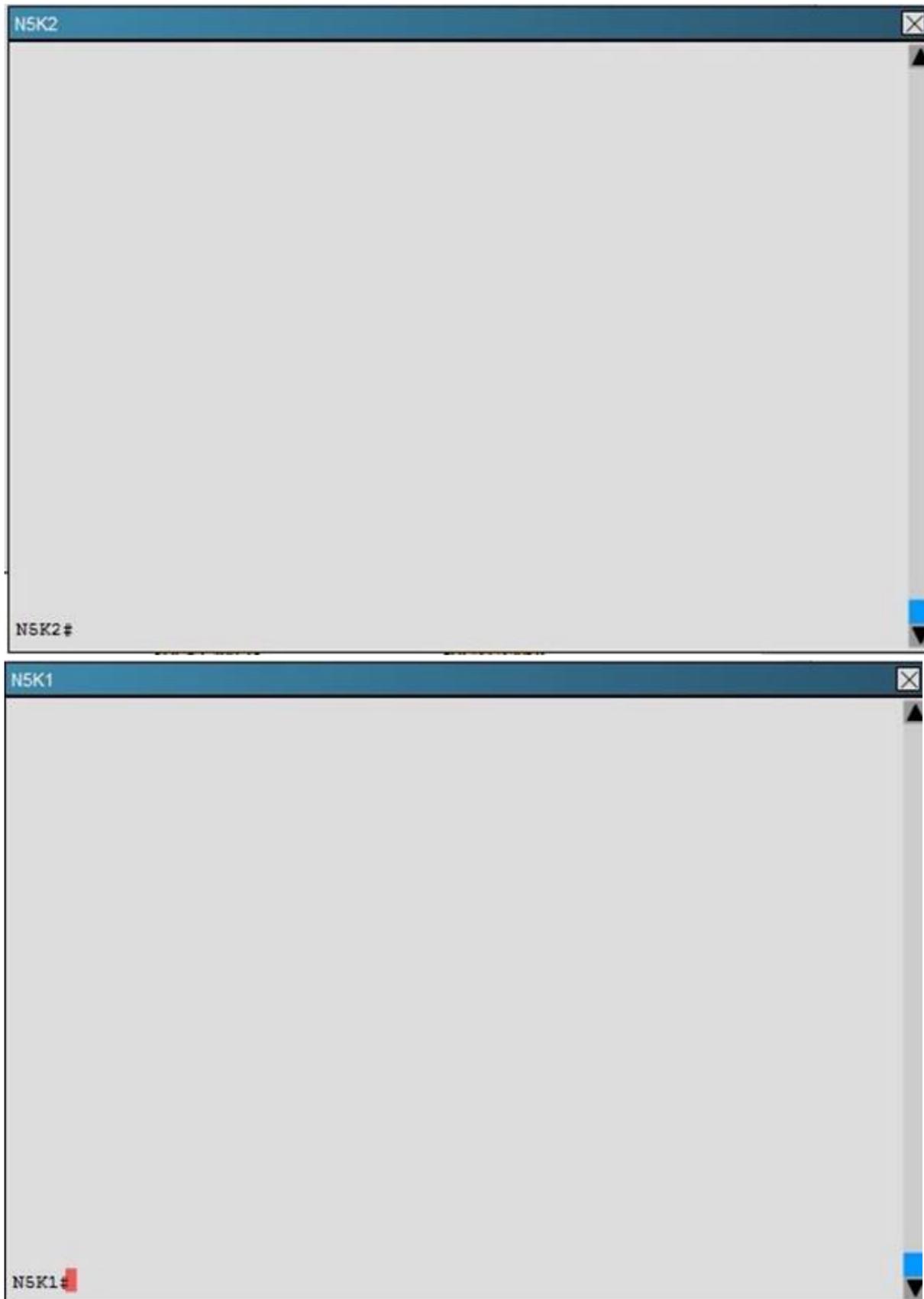
- A. port profile is the cause of this problem?
- B. port aggregation mode under the N1k-Uplink-Host3 port must be changed to passive.
- C. port aggregation mode under the N1k-uplink-Host 3 port profile must be changed to MAC pinning
- D. port aggregation mode under the N1k-Uplink-Host3 must be removed.

Answer: C

NEW QUESTION 205

While the Nexus 7010 switches are configured with vPC, the Nexus 5000 switch connections to each Nexus 7010 are configured as regular port-channels. Which statement best describes the problem affecting the port channel on N5K1?





- A. LACP is not configured to initiate negotiations.
- B. N5K1 must also be configured with vPC.
- C. load-balancing is not configured correctly on N5K1.
- D. The remote ends of the port-channel on N5K1 cannot use the same interface.

Answer: D

Explanation: The remote ends of the port-channel on N5K1 cannot use the same interface.

If you look at the remote ends and issue the "show interface port-channel, you will see that only one physical interface is assigned to the port channel.

NEW QUESTION 207

Refer to the exhibit.

```
RAID Controller 1:
Local Disk 1:
Product Name: 73GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive
sled mounted
PID: A03-D073GC2
Serial: D3B0P99001R9
Presence: Equipped
Local Disk 2:
Product Name:
Presence: Equipped
Size (MB): Unknown
Local Disk 5:
Product Name: 73GB 6Gb SAS 15K RPM SFF HDD/hot plug/drive
sled mounted
Serial: D3B0P99001R9
HW Rev: 0
Size (MB): 70136
```

Cisco UCS Manager reports that the number of disks assigned to a server exceeds the number of available disk slots. What could cause this issue?

- A. The fault detection tests on the disk drive failed
- B. Communication between the fabric interconnects failed
- C. Communication between Cisco UCS Manager and the server failed
- D. The Cisco UCS B-Series Blade Server is connected incorrectly to the fabric interconnects

Answer: A

NEW QUESTION 211

Refer to the exhibit.

```
%ZONE-2-ZS_MERGE_FAILED: %$VSAN 1%$ Zone merge failure, isolating interface fc2/1 error:
Received rjt from adjacent switch:(reason:0)
%ZONE-2-ZS_MERGE_FAILED: %$VSAN 1%$ Zone merge failure, isolating interface fc1/2 error:
Member mismatch
%ZONE-2-ZS_MERGE_ADJ_NO_RESPONSE: Adjacent switch not responding,isolating interface
%ZONE-2-ZS_MERGE_FULL_DATABASE_MISMATCH: Zone merge full database mismatch on interface
```

A zone merge failure occurs with the above error log. What is the problem?

- A. Two switches have the same zone set name but different zone members.
- B. Two switches have different zone names and different members.
- C. Two switches have the same zone set name and the same members.
- D. Two switches have different zone names.

Answer: A

NEW QUESTION 216

Refer to Exhibit.

```
IP address 10.0.0.1, Process ID 100 VRF default, area
0.0.0.0
Enabled by interface configuration
State UP, Network type BROADCAST, cost 4
Index 1, Transmit delay 1 sec, Router Priority 1
No designated router on this network
No backup designated router on this network
0 Neighbors, flooding to 0, adjacent with 0
Timer intervals: Hello 10, Dead 40, Wait 40,
Retransmit 5
No authentication
Number of opaque link LSAs: 0, checksum sum 0

nk5-2#show ip ospf interface ethernet 1/1
Ethernet1/1 is up, line protocol is up
IP address 10.0.0.2, Process ID 200 VRF default, area
0.0.0.0
Enabled by interface configuration
State UP, Network type BROADCAST, cost 4
Index 1, Transmit delay 1 sec, Router Priority 1
No designated router on this network
No backup designated router on this network
0 Neighbors, flooding to 0, adjacent with 0
Timer intervals: Hello 20, Dead 40, Wait 40,
Retransmit 5
No authentication
Number of opaque li
```

The Cisco Nexus 5000 Series Switches fail to form an OSPF adjacency. Which option is a possible cause of the issue?

- A. The interfaces are disabled.
- B. The network type is set to broadcast

- C. There is mismatched process ID
- D. The OSPF hello timer values are mismatched.

Answer: D

NEW QUESTION 220

Refer to the exhibit.

```

> # vencmd show card
Card UUID type 2: 24266920-d498-11e0-0000-009000000000
Card name:
Switch name: Nexus1000v
Switch alias: DvsPortset-0
Switch uuid: ee 63 3e 50 04 b1 6d d6-58 61 ff ba 56 05 14 fd
Card domain: 27
Card slot: 3
VSM Tunnel Mode: L2 Mode
VSM Control (AIPC) MAC: 00:02:3d:10:1b:02
VSM Packet (inband/outband) MAC: 00:02:3d:20:1b:02
VSM Control Agent (OPA) MAC: 00:02:3d:40:1b:02
VSM SPAN MAC: 00:02:3d:30:1b:02
Primary VSM MAC : 00:50:56:be:74:e1
Primary VSM PKT MAC : 00:50:56:be:62:bd
Primary VSM MGMT MAC : 00:50:56:be:0b:d5
Standby VSM CTRL MAC : 00:50:56:be:6a:3d
Management IPv4 address: 14.17.168.1
Management IPv6 address:
0000:0000:0000:0000:0000:0000:0000:0000
Primary L3 Control IPv4 address: 0.0.0.0
Secondary VSM MAC : 00:00:00:00:00:00
Secondary L3 Control IPv4 address: 0.0.0.0
Upgrade : Default
Max physical ports: 32
Max virtual ports: 216
Card control VLAN: 854
Card packet VLAN: 854
Control type multicast: No
Card Readiness Mode : No
Processors: 16
Processor Cores: 8
Processor Sockets: 2
Kernel Memory: 25102140
Port link-up delay: 5s
Global UUPB: DISABLED
Heartbeat Set: True
PC LB Algo: source-mac
Datapath portset event in progress : no
Licensed: Yes

switch1 # show mac address-table | grep lb02
* 168 0002.3d20.1b02 dynamic 20 F F Veth054
* 168 0002.3d40.1b02 dynamic 0 F F Veth054
* 1 0002.3d40.1b02 dynamic 1380 F F Veth054
    
```

Which statement describes the output of the command?

- A. The VSM is connected to the vCenter server.
- B. The ports of the host are added to the DVS on VLAN 27.
- C. The DPA interface is configured to use the incorrect VLAN.
- D. The active VSM is connected to the standby VSM.

Answer: A

NEW QUESTION 225

Refer to the exhibit.

```

N7K1-Datacenter-Core# show running-config
!Command: show running-config
!Time: Wed Feb 7 17:25:14 2018

hostname N7K1-Datacenter-Core
vdc N7K1-Datacenter-Core id 1
  limit-resource vlan minimum 16 maximum 4094
  limit-resource vrf minimum 2 maximum 1000
  limit-resource port-channel minimum 0 maximum 0
  limit-resource u4route-mem minimum 96 maximum 96
  limit-resource u6route-mem minimum 24 maximum 24
  limit-resource m4route-mem minimum 58 maximum 58
  limit-resource m6route-mem minimum 8 maximum 8

feature telnet
feature ospf
feature hsrp
feature vtp
    
```

You cannot create a layer 3 port channel interface on the Cisco Nexus 7000 Series switch to aggregate two links connected to the core switch. Which reason is the root cause of this problem?

- A. No unicast IPv4 rout memory resource are available.
- B. No port channel resources are available.
- C. No multicast IPv4 rout memory resources are available.
- D. Layer 3 port channel cannot be configured on Cisco Nexus 7000 Series switches, instead interface VLAN must configured and port channel must be mapped to it.

Answer: D

NEW QUESTION 226

Refer to the exhibit.

```
switch# show user-account user1
user:user1
  this user account has no expiry date
  roles: tech-admin vsan-admin
no password set. local login not allowed
Remote login through RADIUS is possible

switch# show role tech-admin
Role: tech-admin
Description: Admin management group
vlan policy: permit

-----
Rule      Type      Command-type      Feature
-----
1.        permit   config             *
2.         deny    config             role
3.        permit   debug              ntp
4.        permit   exec               *
```

A user named user1 is unable to create roles. What must you do to resolve the issue?

- A. Assign user1 to the network-admin role.
- B. Assign user1 to the tech-admin role only.
- C. Set the user password for user1
- D. Allow user1 to log in locally

Answer: A

NEW QUESTION 231

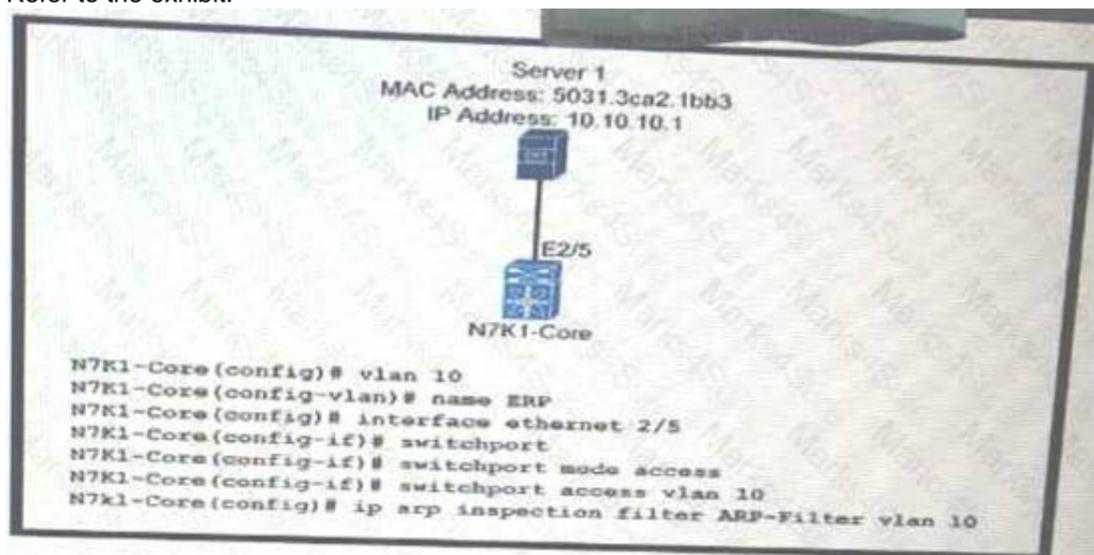
A customer is trying to boot an operating system that is installed on the eUSB on a Cisco UCS B-Series blade server; however, the boot fails. What is the cause of this failure?

- A. The local disk must be the first device in the boot order.
- B. eUSB is not a supported boot device.
- C. eUSB support is available only on the Cisco UCS C-Series rack server.
- D. eUSB is not the first device in the boot order for the server.

Answer: D

NEW QUESTION 236

Refer to the exhibit.



You are troubleshooting Dynamic ARP inspection. Which command set correctly configures the access list to be used by ARP inspection?

- A. N7k1-core(config)# mac access-list ARP-FilterNk1-Core(config-mac-acl) # 1 permit mac 5031. 3ca2.1bb3 0000.0000 any
- B. N7k1-Core(config)# iP access-list ARP-FilterNk1-Core(config-acl) # 1 permit ip 10.10.10.1 0.0.0.0 any
- C. N7k1-Core(config)# IP access-list ARP-FilterNk1-Core(config-mac-acl) # 1 permit iP 10.10.10.1 0.0.0.0. mac 5031. 3ca2. 1bb3 0000.0000.0000
- D. N7k1-Core(config)# access-list 1 permit 10.10.10.1 0.0.0.0Nk1-Core(config-mac-acl) # 1 permit mac 5031. 3ca2.1bb3 0000.0000 any

Answer: C

NEW QUESTION 240

Which tool can be used to browse the Cisco APIC Management Information Tree via a web browser?

- A. Kafka
- B. Spark
- C. Maven
- D. Visore

Answer: D

NEW QUESTION 241

Refer to the exhibit.

```

adapter 1/3/1 (fls):2# lunlist
vnic : 15 lifid: 4
- FLOGI State : flogi est (fc_id 0x8e0002)
- PLOGI Sessions
- WWNN 50:0a:09:80:00:01:dc:fb WWPN 50:0a:09:80:00:01:dc:fb fc_id 0x8e0020
- LUN's configured (SCSI Type, Version, Vendor, Serial No.)
  LUN ID : 0x0000000000000000 access failure
- REPORT LUNs Query Response
  LUN ID : 0x0000000000000000
- Nameserver Query Response
- WWPN : 50:0a:09:80:00:01:dc:fb
    
```

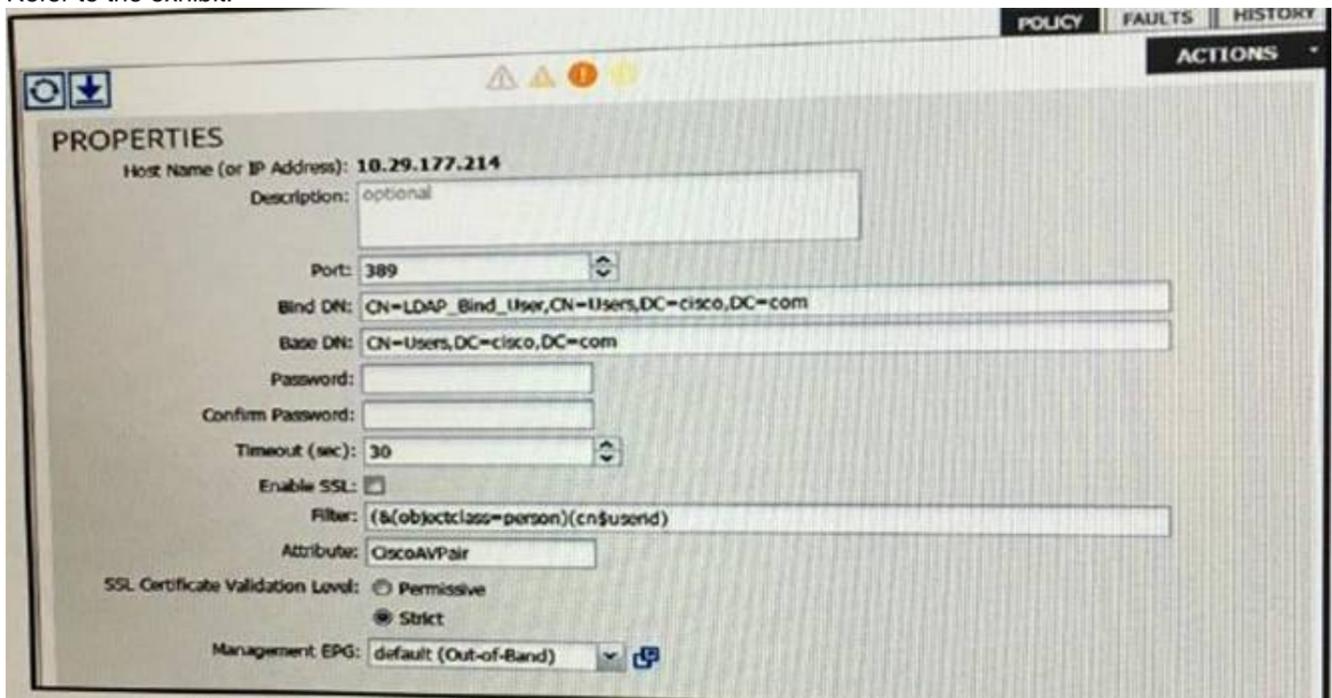
What does this adapter output indicate?

- A. The target of the configured zone does not match the target of the configured boot order.
- B. The port types between the target and initiator are incorrectly configured.
- C. The target device configuration is not allowing the initiator to access the LUN.
- D. The configured initiator LUN ID does not match the configured target LUN ID.

Answer: C

NEW QUESTION 244

Refer to the exhibit.



You are configuring a Cisco APIC for access. Which task is being performed in the exhibit?

- A. configuring APIC management EpG
- B. creating the LDAP login domain
- C. creating the LDAP provider
- D. creating the LDAP provider group

Answer: C

NEW QUESTION 245

Refer to the exhibit.

```

CORE-7700-2(config-vdc)# vdc FC-CORE-SW2 type storage
CORE-7700-2(config-vdc)# allocate interface ethernet 7/24-32
    
```

Which two connectivity options for interfaces Ethernet 7/24-32 are valid?

- A. FCoE interfaces that are shared among other VDCs
- B. FCoE interfaces that connect to a storage array
- C. Fibre Channel interfaces that connect to a storage array
- D. Fibre Channel interfaces that are shared among other VDCs
- E. FCoE interfaces that connect to a server

Answer: BE

NEW QUESTION 249

You are troubleshooting a port configuration. Interface e1/1 is configured by using port profiles. Which command do you run to view the actual command that were applied to interface e1/1?

- A. Show port-profile virtual usage
- B. Show run interface eth1/1 expand-port-profile
- C. Shows port-profile sync-status

D. Show run interface eth1/1

Answer: C

NEW QUESTION 253

In Cisco UCS, which logs are used to troubleshoot hardware failure?

- A. system event log
- B. audit log
- C. gateway logs
- D. system log

Answer: A

NEW QUESTION 258

What can prevent you from adding an interface to a pre-existing port-channel on a CISCO Nexus N7K device?

- A. The port-channel is In LACP passive mode
- B. The interface already assigned to a different port-channel,
- C. The interface has been allocated to a different VOC
- D. no shutdown was issued on the interface.

Answer: B

NEW QUESTION 260

You use a Cisco UCS VIC 1340 adapter. You discover that the actual vNIC order does not reflect the order specified in the connectivity policy. What must you do to change the placement order?

- A. Change adminHostPort in the vNIC policy.
- B. Change the adapter order in the connectivity policy.
- C. Remove all of the adapters and recreate all of the adapters in the required order
- D. Change adminHostPort in the connectivity policy.

Answer: A

NEW QUESTION 265

A customer reports that they are missing vPC peer link redundancy between two Cisco Nexus 5548UP switches. The interfaces on both switches are configured and cabled correctly. The interface status is up/down on switch 1 and up/up on switch 2, Which two steps should be taken to isolate the root cause? (Choose two.)

- A. Swap the ends of the fiber-optic cable
- B. ask the customer if the link was ever functional
- C. determine whether the fiber-optic cable manufacturer is valid under the interoperability matrix
- D. swap the transceivers between the two interfaces
- E. determine Whether the fiber-optic cable type (single mode or multimode) matches the X2 modules

Answer: AD

NEW QUESTION 266

Refer to the exhibit.

```
DC-SWITCH14# show port-channel summary
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-      Type      Protocol  Member Ports
Channel
-----
1102  Po1102(SU)  Eth       LACP      Eth1/9 (P)
1103  Po1103(SU)  Eth       LACP      Eth1/17 (P)
1104  Po1104(SU)  Eth       LACP      Eth1/12 (P)
1105  Po1105(SU)  Eth       LACP      Eth1/20 (P)
1106  Po1106(SD)  Eth       LACP      Eth1/11 (I)
1107  Po1107(SU)  Eth       LACP      Eth1/19 (P)
```

DC-SWITCH 14 is a Cisco Nexus switch Port channel 1106 connects to a Cisco Nexus switch named DC-SWITCH10. Which cause of the I flag is likely?

- A. Port channel 1106 is administratively down.
- B. STP is blocking port channel 1106
- C. LACP is misconfigured on DC-SWITCH14
- D. LACP is misconfigured on DC-SWITCH10.

Answer: C

NEW QUESTION 269

Refer to the exhibit.

ID is defined in multiple systems

You see the fault when configuring a global ID pool on Cisco UCS Central. Which issue could cause the fault?

- A. The same ID is defined in Cisco UCS Central and Cisco UCS Manager
- B. The interval between the creation and the deletion of a service profile is less than 10 milliseconds
- C. The blocks in the pools do not have an assigned ID range qualifier
- D. The same ID is defined in two registered domains

Answer: D

NEW QUESTION 273

The external routes are unreachable from the fabric in a Cisco ACI environment. What should you do?

- A. Configure BGP for IPv6
- B. Configure BGP confederation.
- C. Apply the BGP policy map to the interface.
- D. Enable MP-BGP in the fabric.

Answer: D

NEW QUESTION 274

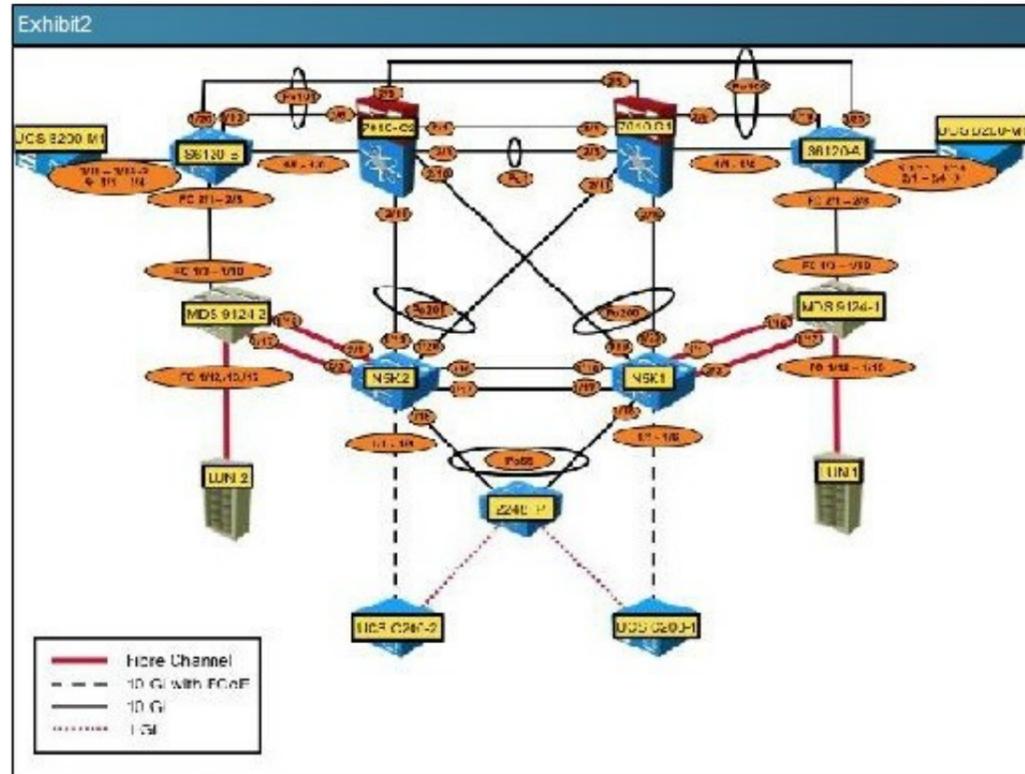
Fibre Channel traffic on VSAN 12 between N5K2 and MDS9124-2 is degraded. Which statement explains the cause of this degradation?

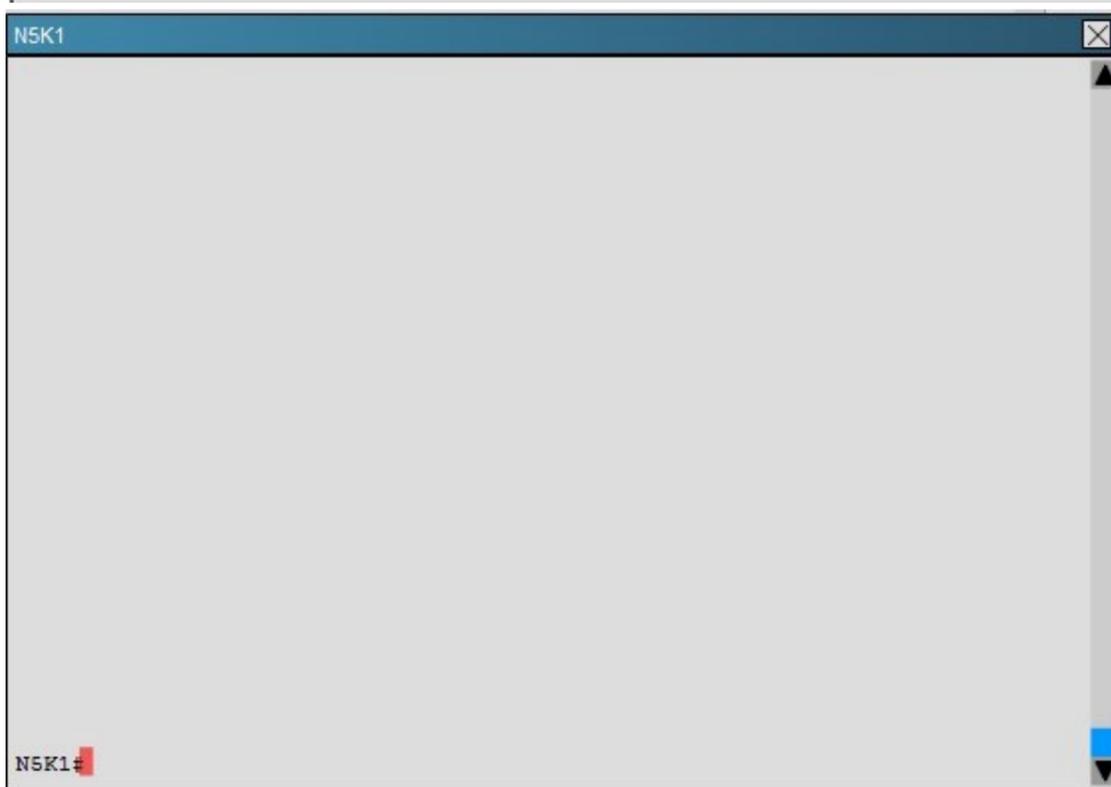
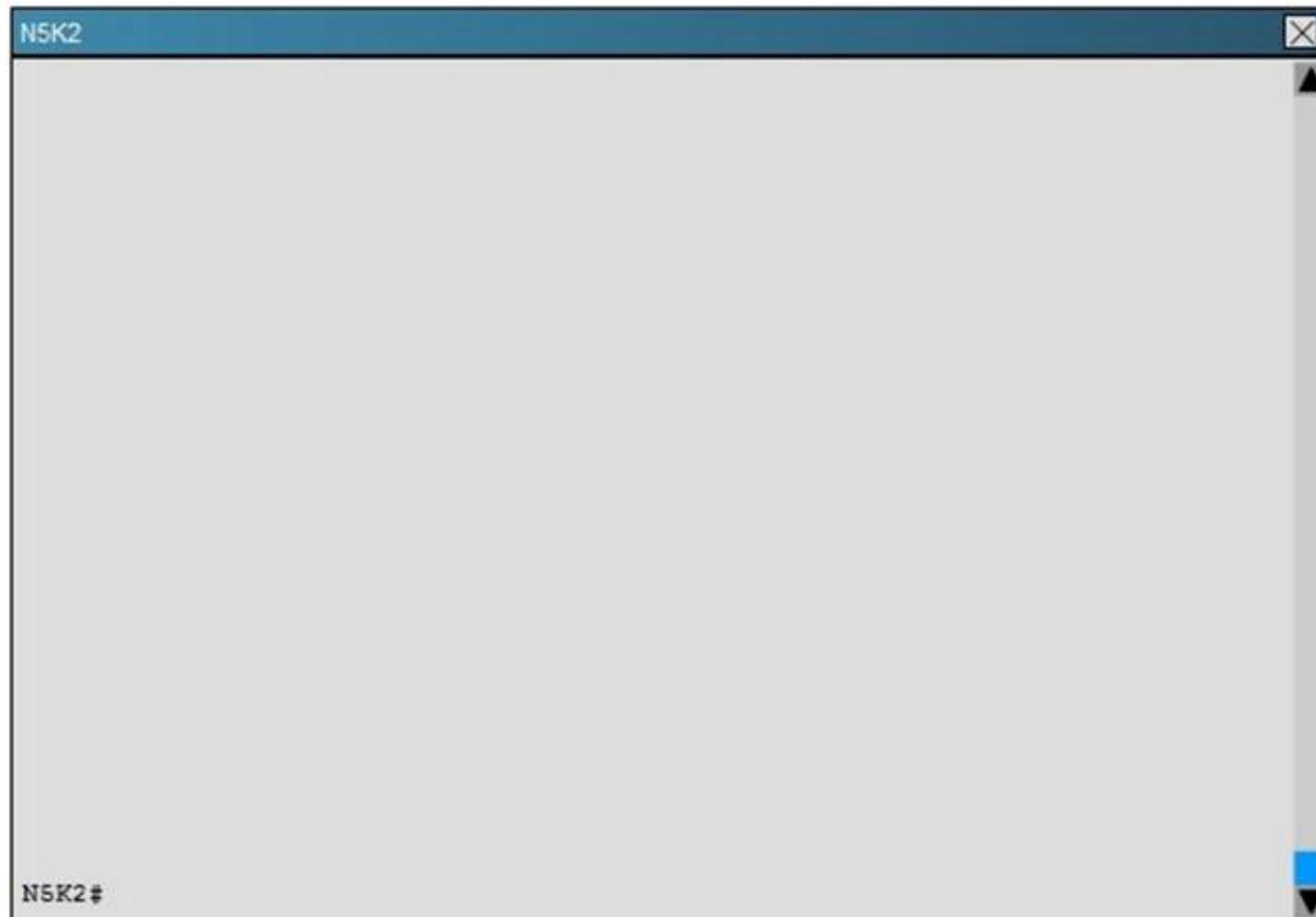
Instructions

- 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.





- 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.

Answer: D

NEW QUESTION 278

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 <vlan-id>
- B. otv extend-vlan <vlan.range>
- C. otv use-adjacency-server <ip address> unicast-only
- D. otv site-identifier <id>

Answer: D

NEW QUESTION 282

Refer to the exhibit.

```

CORE-7700-1(config-vdc)# vdc FC-CORE-SW1 type storage
CORE-7700-1(config-vdc)# allocate shared interface ethernet
7/1-8
Ports that share the port group of the interfaces you have
specified will be affected as well. Continue (y/n)? [yes]
yes
ERROR: Ports being shared must belong to a vdc that has
been configured for fcoe sharing
    
```

Interfaces Ethernet 7/1-8 are members of the CORE-SW1 VDC, and CORE-7700-1 is the admin VDC. Which cause of the error is likely?

- A. The FCoE VLANs associated to Ethernet 7/1-8 must be assigned to the FC-CORE-SW1 VDC in the admin VDCs.
- B. Interfaces Ethernet 7/1-8 must be configured for FCoE sharing.
- C. All the interfaces in the FC-CORE-SW1 VDC must be configured for FCoE sharing.
- D. The Fibre Channel VSANs associated to Ethernet 7/1-8 must be assigned to the FC-CORE-SW1 VDC in the admin VDCs.

Answer: A

NEW QUESTION 284

Which method does Cisco recommend for recovering a fabric interconnect when you have no working images on the bootflash?

- A. reboot the primary fabric interconnect.
- B. Receive the kickstart image by using TFTP.
- C. Download the system image.
- D. Initiate auto-install.

Answer: B

NEW QUESTION 289

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
    
```

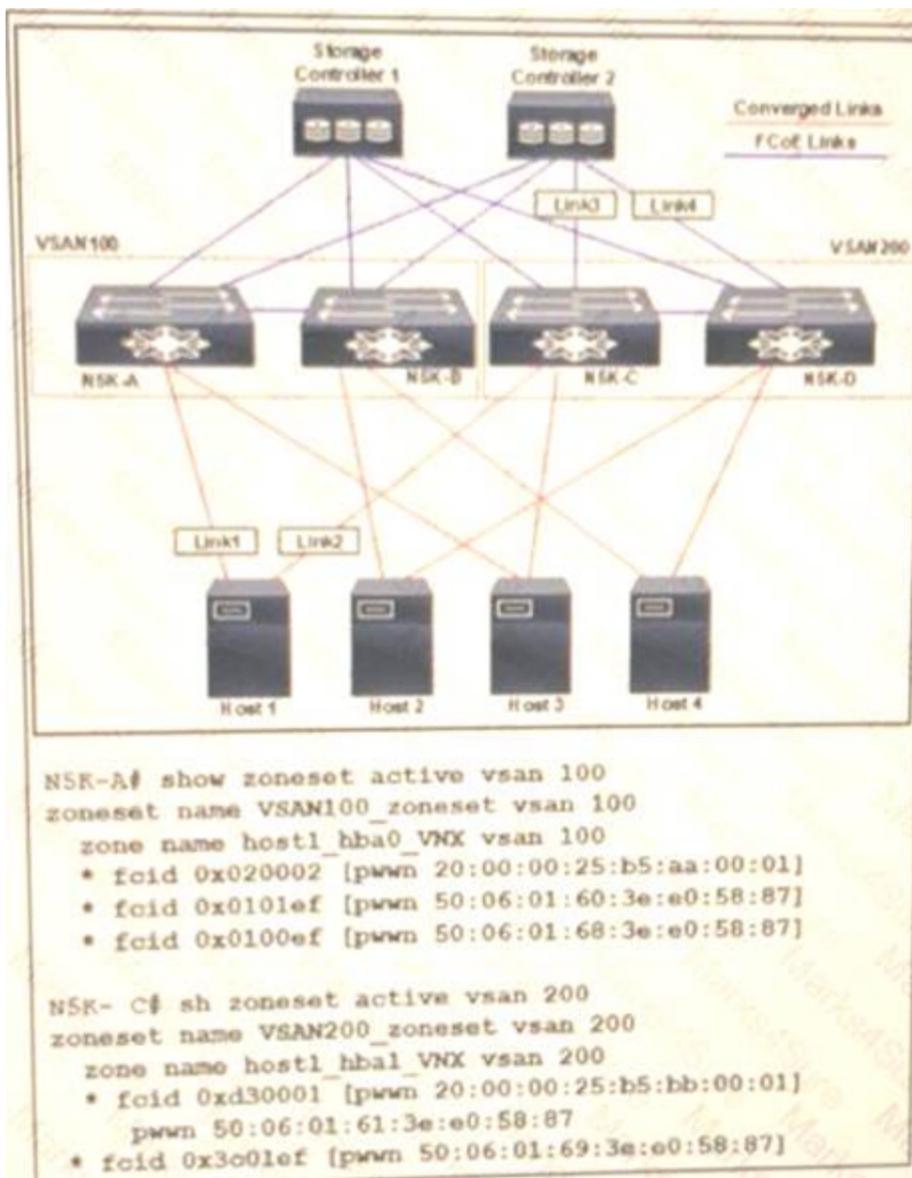
What is the cause of the ISSU failure when using the command show system internal csm global info?

- 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

NEW QUESTION 292

Refer to the exhibit. Which link is down?



- A. Link1
- B. Link2
- C. Link3
- D. Link4

Answer: B

NEW QUESTION 294

On a Cisco Nexus 5500 Series Switch, the VFC is stuck in the initializing state. Which QoS statements must be configured for FCoE to operate?

- A. system qos service-policy type qos input fcoe-default-in-policy service-policy type queuing input fcoe-default-in-policy service-policy type queuing output fcoe-default-out-policy service-policy type network-qos fcoe-default-nq-policy
- B. system qos service-policy type qos input fcoe-default-in-policy service-policy type queuing input fcoe-default-in-policy service-policy type qos input default-in-policy service-policy type network-qos default-nq-policy
- C. system qos service-policy type qos input default-in-policy service-policy type queuing input default-in-policy service-policy type queuing output default-out-policy service-policy type network-qos default-nq-policy
- D. system qos service-policy type qos input default-in-policy service-policy type queuing input default-in-policy service-policy type queuing output fcoe-default-out-policy service-policy type network-qos fcoe-default-nq-policy

Answer: A

NEW QUESTION 298

Refer to the exhibit.

```
eth2      Link encap:Ethernet HWaddr 00:00:00:01:1b:01
          BROADCAST MULTICAST MTU:9400 Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

eth3 counters:
eth3      Link encap:Ethernet HWaddr 00:00:00:01:1b:01
          inet6 addr: fe80::200:ff:fe01:1b01/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:9400 Metric:1
          RX packets:425432 errors:0 dropped:0 overruns:0 frame:0
          TX packets:352432 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:253284953 (241.5 MiB) TX bytes:249647978 (238.0 MiB)

ps-inb counters:
ps-inb    Link encap:Ethernet HWaddr 00:00:00:01:1b:01
          inet6 addr: fe80::200:ff:fe01:1b01/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:9400 Metric:1
          RX packets:128986 errors:0 dropped:0 overruns:0 frame:0
          TX packets:129761 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:221538103 (211.2 MiB) TX bytes:227158091 (216.6 MiB)
```

Which command was used to produce the output for the inband packet statistics?

- A. show hardware internal cpu-mac inband counters
- B. show system internal interface counters module
- C. show interface counters all

Answer: A

NEW QUESTION 303

Which statement is true regarding FHRP considerations for an OTV network?

- A. VRRP is recommended over HSRP or GLBP.
- B. Using an AED eliminates the need for FHRP.
- C. FHRP should be limited to only the internal OTV interfaces.
- D. Filtering FHRP across the OTV network is recommended to avoid a suboptimal path due to the election of a single default gateway.

Answer: D

NEW QUESTION 308

Refer to the exhibit. You discover that eth1/1 stopped forwarding data. Which option describes how to resolve the issue?

```
*Jan 16 11:11:34: %SPANTREE-SW2_SP-2-BRIDGE_ASSURANCE_BLOCK:
Bridge Assurance blocking port ethernet1/1
```

- A. Reboot the switch.
- B. On the adjacent switch, run the spanning-tree port type network command.
- C. On the switch, change the STP type.
- D. On the adjacent switch, disable bridge assurance.

Answer: B

NEW QUESTION 309

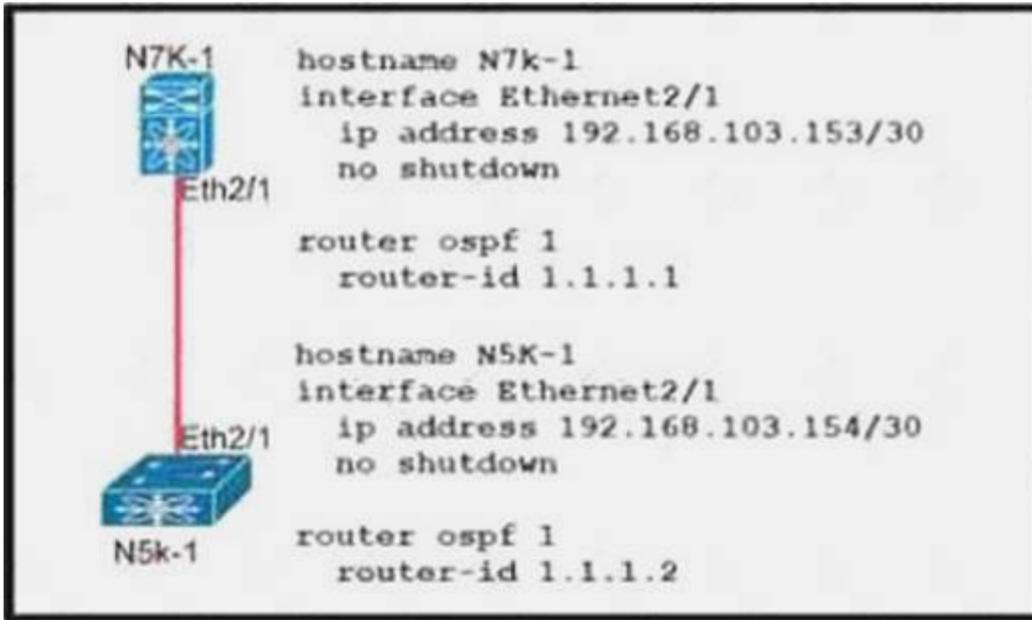
A leaf is programmed with the correct VLANs and Interfaces, but the servers in web EPG are unreachable from the outside Layer 2 network. You use a unique external L2out EPG as a Layer 2 extension Inside the Cisco ACI fabric. Which action do you take to resolve the communication issue?

- A. Configure an MTU of 9000 bytes on the devices in the L2out EPG
- B. Configure contracts between the web EPG and the L2out EPG
- C. Bind the web EPG to a port/leaf.
- D. Enable a spanning tree on the VLANs on the leaf.

Answer: B

NEW QUESTION 313

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 192.168.103.152 255.255.255.252 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-rf)# ip router ospf 1 area 0

Answer: A

NEW QUESTION 318

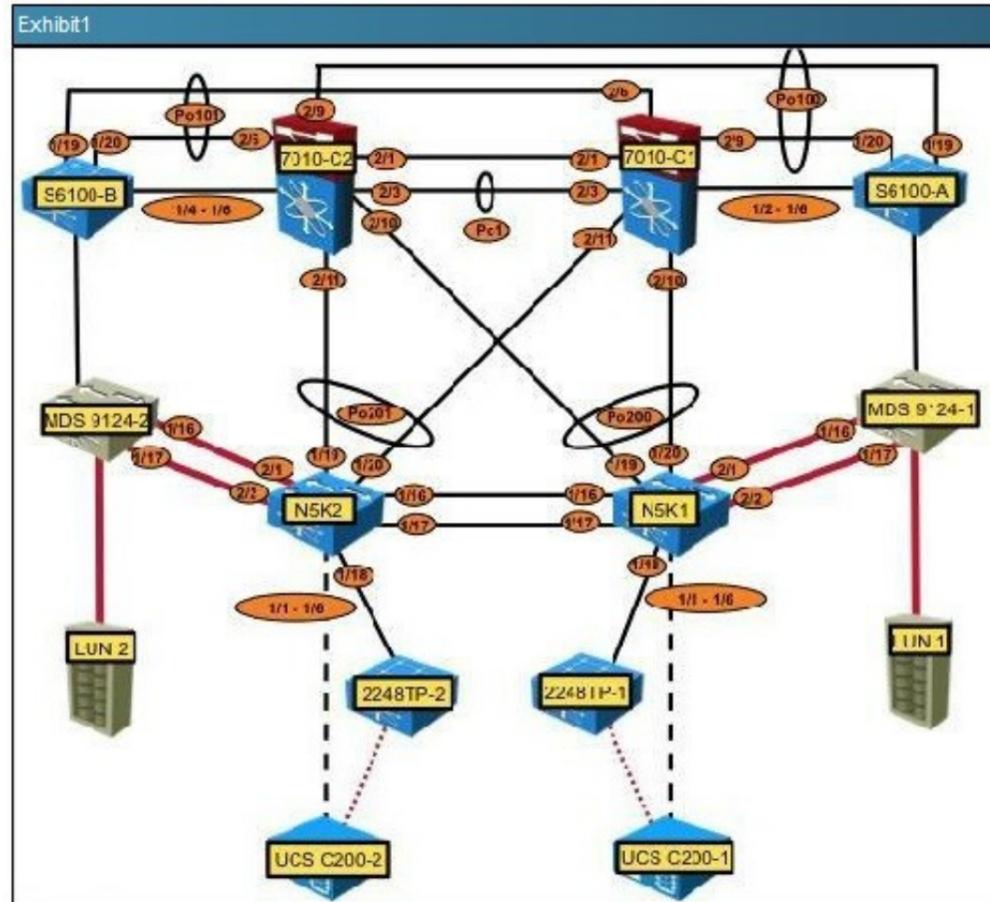
Which statement is true regarding the port channel 100 and 101 configurations between the Nexus 7010 switches?

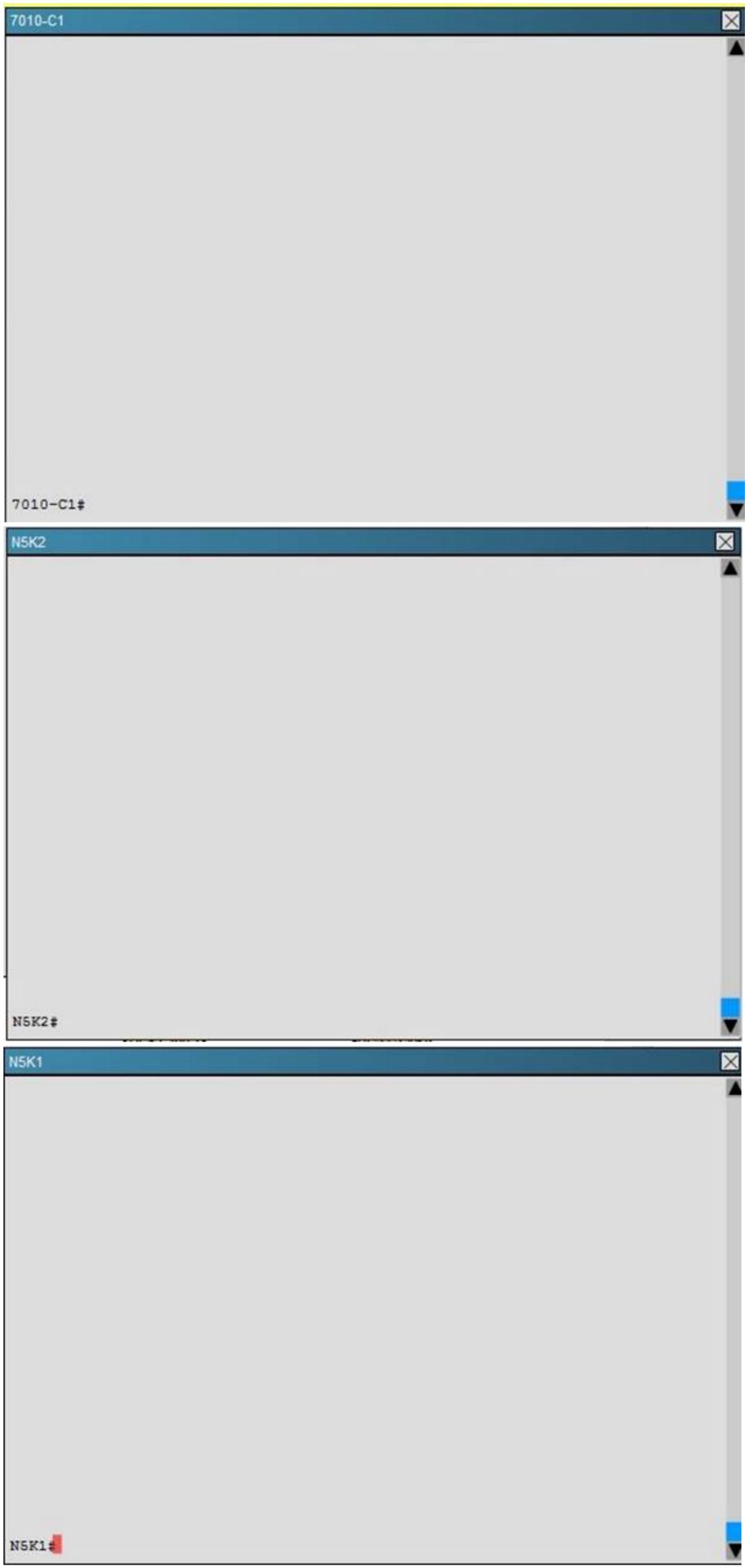
Instructions

- 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.





- 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.

NEW QUESTION 321

Which command must you use to identify an active VIF for a particular blade in a Cisco UCS B-Series chassis?

- A. scope service-profile server [blade_slot]
- B. show cluster extended-state
- C. show pinning border-interfaces
- D. show service-profile circuit server [blade_slot]

Answer: D

NEW QUESTION 326

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

- A. updated kickstart and system images may be staged in bootflash on single-supervisor switches
- B. updated kickstart and system images may be staged in bootflash on dual-supervisor switches
- C. updated kickstart and system images may be staged remotely on single-supervisor switches
- D. dual supervisors
- E. clock synchronization

Answer: AD

NEW QUESTION 331

You receive a priority 1 trouble ticket that there is OSPF route instability in the data center core Cisco Nexus 7018 Switches. Which command is useful to help validate a theory that hello packets are being throttled?

- A. N7018# show class-map interface control-plane
- B. N7018# show policy-map interface control-plane
- C. N7018# show service-policy interface control-plane
- D. N7018# show copp status
- E. N7018# show copp statistics
- F. N7018# show control-plane class copp-system-class-critical

Answer: B

NEW QUESTION 333

You have three VDCs named VDC1, VDC2 and VDC3 connected to the same environment, Due to a network device malfunction, there is an ARP storm in VDC1 Users in VDC2 discover that ARP is not resolving in VDC1. What is causing the issue?

- A. The committed information rate is exceeded.
- B. VDC1 is responsible for processing ARP for all of the VDCs,
- C. The CoPP settings for VDC1 are Incorrect.
- D. The CoPP settings for VDC2 are incorrect,

Answer: A

NEW QUESTION 337

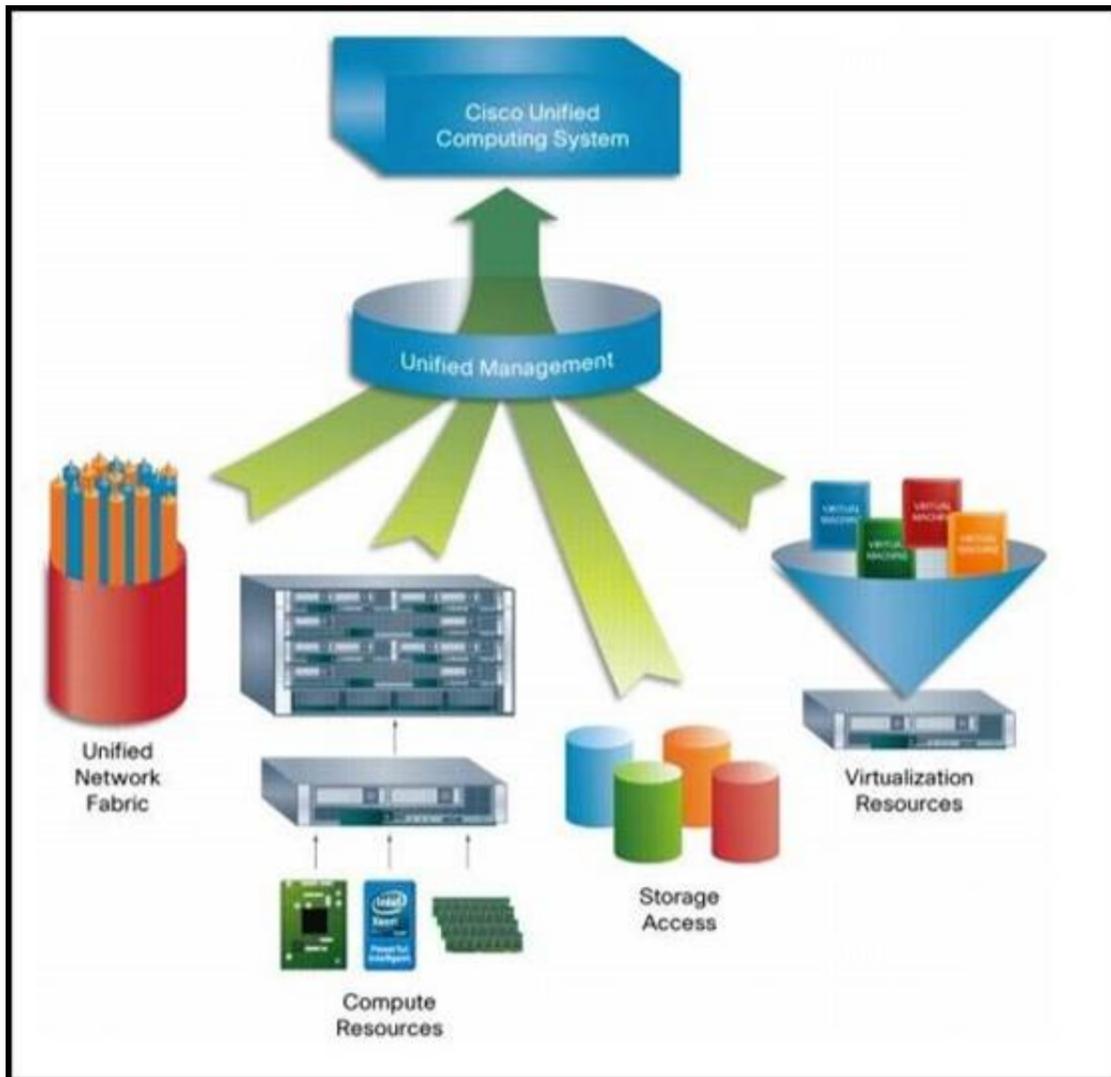
Why do the lists not contain the same switches, after you issue the commands show cfs peers name and show cfs merge status?

- A. The merge cannot occur until the VSAN IDs are synced.
- B. The Cisco Fabric Services fabric has a physical port fault that should be investigated.
- C. The fabric is partitioned into multiple Cisco Fabric Services fabrics.
- D. Cisco Fabric Services need to be restarted to see the new switches.
- E. ACisco Fabric Services database lock has prevented the merge.

Answer: C

NEW QUESTION 341

Refer to the exhibit.



Which of these is an extension of the virtual machine abstraction that is applied to physical servers?

- A. service profile
- B. compute profile
- C. organization profile
- D. locale profile
- E. role profile

Answer: A

NEW QUESTION 345

Which identification for EPGs can you use to check zone rules?

- A. PCTag
- B. VXAN
- C. VLAN
- D. EPG name

Answer: A

NEW QUESTION 348

You have a Cisco APIC that has a VIC 1225 adapter installed, Fabric discovery fails. You verify that the cabling is correct, but the LLDP fails, Which option is a possible cause of the failed fabric discovery?

- A. Incorrect V/C adapter firmware version
- B. Incorrect Cisco Nexus firmware version
- C. an SFP transceiver issue
- D. less than three APICs

Answer: A

NEW QUESTION 353

What happens to Cpp after you perform an ISSSU?

- A. The default Cpp policy is applied.
- B. packets that need special handling by the supervisor module cannot be matched.
- C. The statistical counters are reset.
- D. All traffic is put into the default class of the Cpp policy

Answer: C

NEW QUESTION 356

Which two features are required to configure a blade to boot successfully from Fibre Channel? (Choose two.)

- A. LUN masking

- B. WWPN device alias
- C. boot from SAN policy
- D. SAN connectivity policy
- E. port assignment

Answer: AC

NEW QUESTION 360

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