

300-180 Dumps

DCIT Troubleshooting Cisco Data Center Infrastructure (DCIT)

<https://www.certleader.com/300-180-dumps.html>



NEW QUESTION 1

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 2

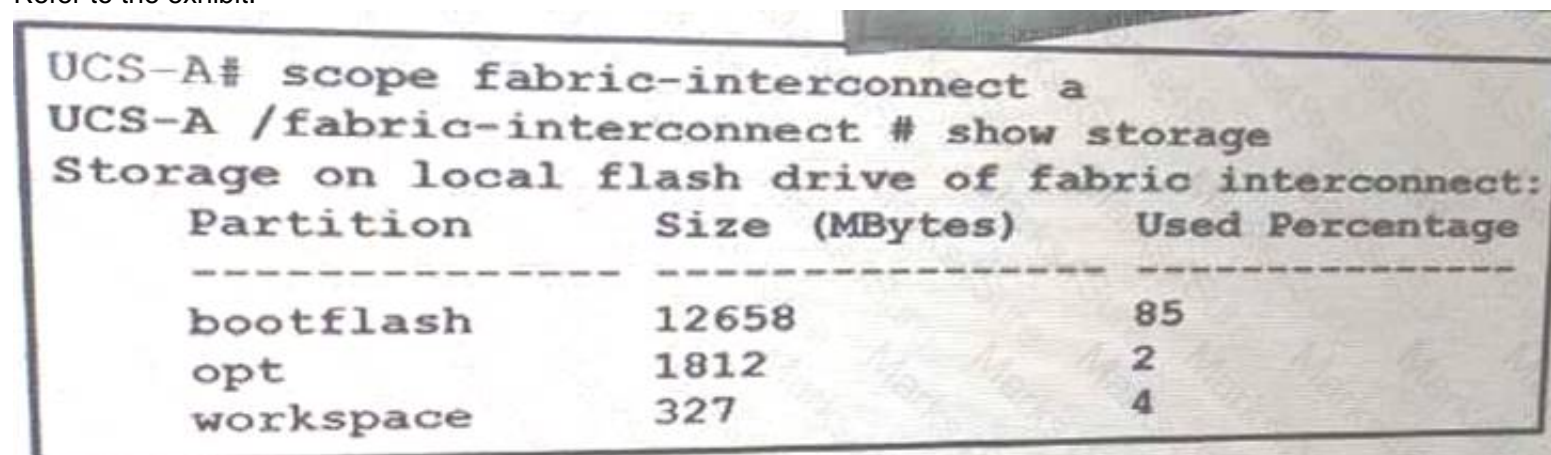
You see incoming updates in the logs from the hypervisor. But the State Of the Cisco APIC fails to change
Which option is a possible cause Of the issue?

- A. VMM is not integrated properly
- B. The APIC is in a minority state
- C. No uplinks are configured on the Cisco AVS.
- D. The VMM credentials are incorrect.

Answer: D

NEW QUESTION 3

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 could 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 4

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 5

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

- A. 15 seconds
- B. 30 seconds
- C. 45 seconds
- D. 60 seconds

Answer: B

NEW QUESTION 6

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 7

Which option is a best practice that should be followed When replacing a CISCO Nexus 5000 Series switch in a vPC topology?

- A. Connect a dual-homed Fabric Extender topology fabric port to the replacement switch.
- B. Ensure that the vPC role priority of the replacement switch is equal to the existing switch.
- C. Obtain the configuration from the peer switch if the configuration synchronization feature was enabled.
- D. Ensure that the vPC role priority of the replacement switch is better than the existing switch

Answer: C

NEW QUESTION 8

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 9

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 10

At any given time, each server can be associated with how many service profiles?

- A. 1
- B. 2
- C. 5
- D. 10
- E. unlimited

Answer: A

NEW QUESTION 10

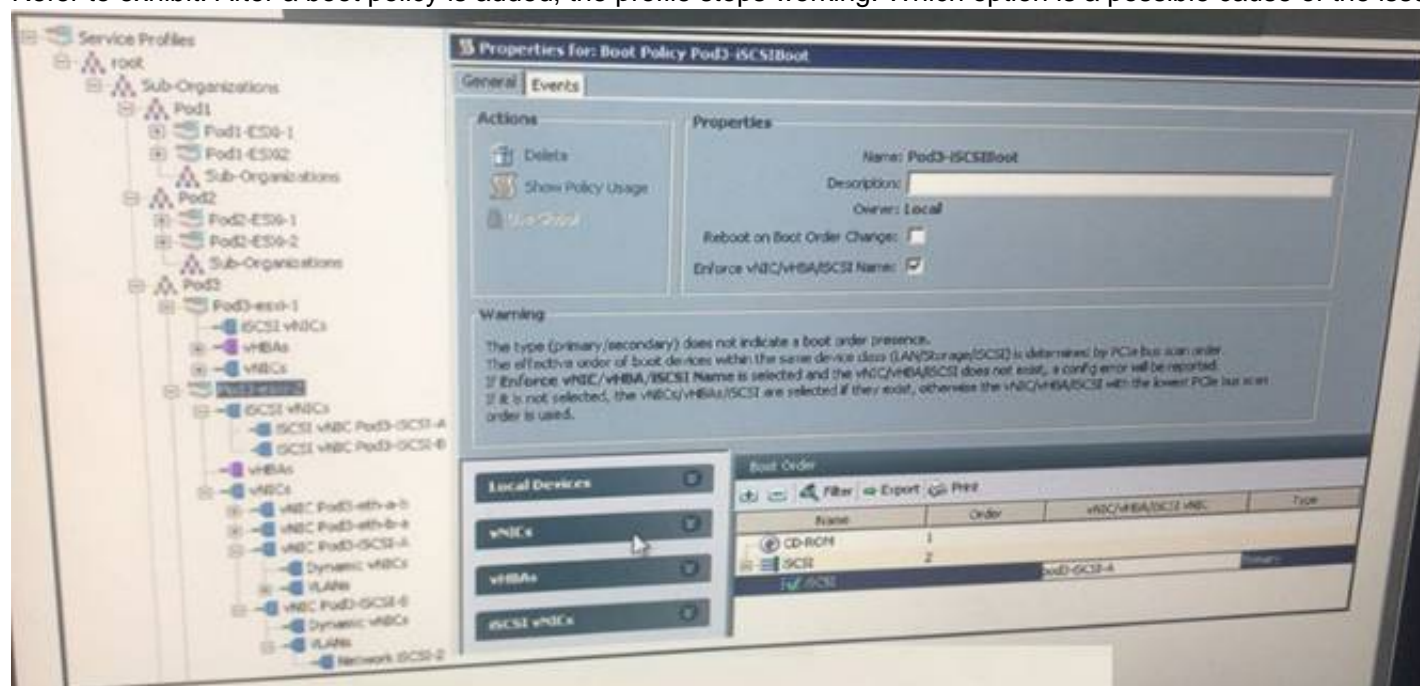
Which command displays the traffic statistics for a port channel interface?

- 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 14

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 17

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 21

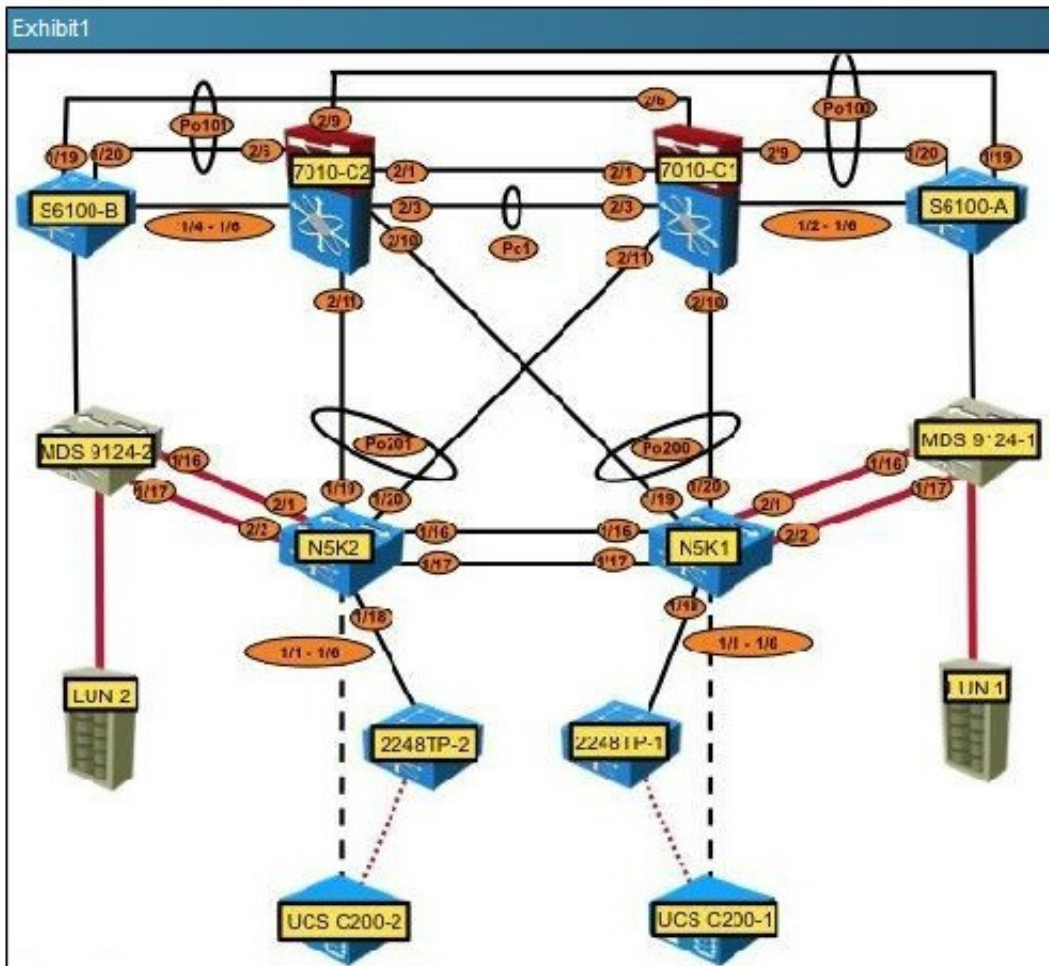
Cisco UCS users residing behind N5K2 are complaining about poor performance with a single LAN application in the data center. Which statement best explains what is wrong with N5K2?

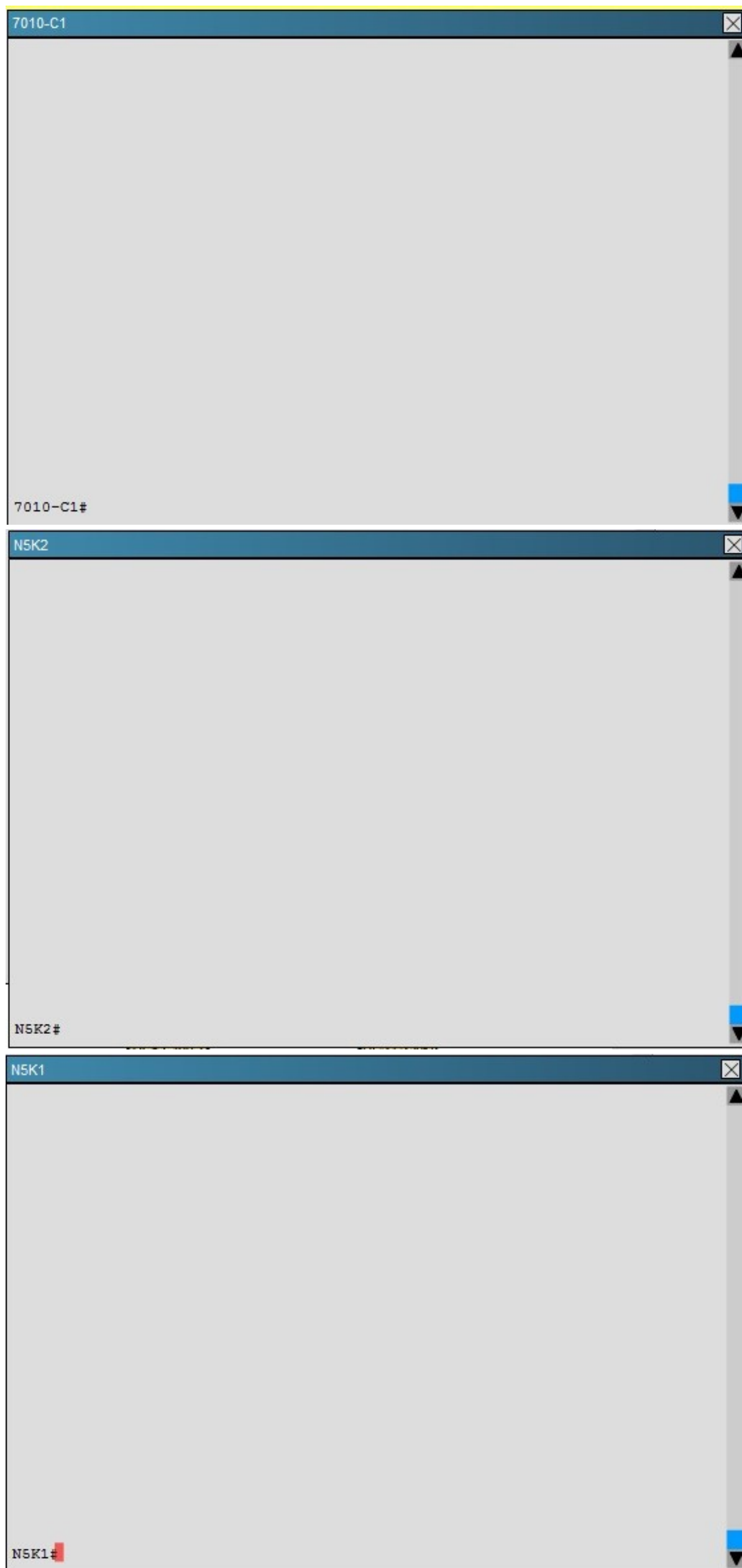
Instructions

- 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. 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.

Answer: A

Explanation:

Traffic balancing is based on the destination IP address

Use the “show port-channel load-balance” command to verify.

NEW QUESTION 22

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 27

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 32

A customer has two data centers. In both data centers, the customer has two Cisco Nexus 7000 switches. For redundancy, the customer implemented HSRP and vPC. The customer implemented OTV to extend VLAN 325 between data centers and the customer has one default gateway over the four Cisco Nexus 7000 switches. The customer attempts HSRP filtering over the DCI link with HSRP group 325. Which MAC address should be filtered over the DCI network?

- A. 0000.0c9f.f145
- B. 0000.0C07.A145
- C. 001e.0C9F.F145
- D. 001e.0C07.A145

Answer: A

NEW QUESTION 33

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 36

Which statement is true regarding the admin VDC?

- A. All licensed features and feature sets must be enabled from the admin VDC.
- B. Fabric extenders connected to the admin VDC must be statically pinned.
- C. Only the mgmt 0 interface is allocated to the admin VDC.
- D. All interfaces other than mgmt 0 are allocated to the default VDC.
- E. The admin context can only be created on Supervisor 2/2E.
- F. The admin VDC is a new feature in Cisco NX-OS version 6.0.

Answer: C

NEW QUESTION 37

Refer to the exhibit.

```
port-profile type ethernet uplink-storage
  vmware port-group
  switchport mode trunk
  switchport trunk native vlan 50
  switchport trunk allowed vlan 50,60-70
  no shutdown
  system vlan 60-70
  state enabled

N1K# config t
N1K(config)# port-profile type ethernet uplink-storage
N1K(config-port-prof)# switchport trunk allowed vlan remove 70

ERROR: This config blocked for system vlan profiles. Remove
system vlans and retry.
```

Which action removes the system designation from VLAN 70?

- A. Create another port profile that excludes VLAN 70
- B. Shut down the port profile first
- C. Delete the uplink-storage port profile, and then receive it
- D. Remove VLAN 70 from the trunk first

Answer: A

NEW QUESTION 38

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 39

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

H5K# show int el/15 transceiver
Ethernet1/15
  transceiver is present
  type is SFP-10G08BASK-T
  name is CISCO-METHODE
  part number is SP7041
  revision is D
  serial number is 00000MTC104502HG
  nominal bitrate is 1300 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 41

Refer to the exhibit.


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

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

You configure a vPC between two Cisco Nexus 7000 Series switches but the peer link will not come up. What is the problem?

- A. The configuration is correct
- B. The problem lies elsewhere.
- C. The vPC domain numbers must be different.
- D. The role priority must be the same.
- E. The system priority must be the same.

Answer: D

NEW QUESTION 42

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 two possible causes of the issue? (Choose two)

- 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 43

Refer to the exhibit.

```
feature nv overlay
feature vn-segment-vlan-based

vlan 500
  vn-segment 5500

interface loopback1
  ip address 10.1.1.1/24
  ip router ospf 100 area 0.0.0.0
  ip pim sparse-mode

interface nve1
  no shutdown
  source-interface loopback1
  overlay-encapsulation VXLAN
  member vni 5500 mcast-group 239.1.1.1
```

The VXLAN configuration fails. Which action do you take to resolve the issue?

- A. Change the multicast address in the 232.0.0.0/8 range.
- B. Change the mask of loopback1 to 255.255.255.255.
- C. Use a transit interface as the source interface.
- D. Enable dense mode on loopback1.

Answer: B

NEW QUESTION 46

You have a node in a decommissioned state. What could cause the issue?

- A. The node was disabled by the user.
- B. The node is unreachable.
- C. The node is in a transient state.
- D. The node cannot join the fabric

Answer: A

NEW QUESTION 47

Refer to the exhibit.

```

FC-SW1# show fcns database

VSAN 301:
-----
FCID      TYPE  PWWN                                (VENDOR)  FC4-TYPE:
                                           FEATURE
-----
0x7ef060  N    25:de:00:2a:6a:11:ef:bf  (Cisco)   npv
0x7ef080  N    26:e1:00:2a:6a:11:ef:bf  (Cisco)   npv
0x7ef0a0  N    29:e8:00:2a:6a:11:ef:bf  (Cisco)   npv
0x7ef0c0  N    29:8e:00:2a:6a:11:ef:bf  (Cisco)   npv
0x7e06df  N    50:0e:01:60:08:65:6d:42  (Clariion) scsi-fcp:both
                                           [STORAGE-ARRAY1-PORT1]
0x7e01ef  N    50:e6:01:69:08:65:6d:42  (Clariion) scsi-fcp:both
                                           [STORAGE-ARRAY1-PORT2]
0x7e02ef  N    50:0e:01:64:08:62:6d:42  (Clariion) scsi-fcp:both
                                           [STORAGE-ARRAY2-PORT1]
0x7e03ef  N    50:0e:01:6d:08:62:6d:42  (Clariion) scsi-fcp:both
                                           [STORAGE-ARRAY2-PORT2]
  
```

Which feature is enabled on FC-SW1?

- A. NPIV
- B. NPV
- C. FCIP
- D. iSCSI

Answer: B

NEW QUESTION 52

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-  Type  Protocol Member Ports
Channel
-----
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.

Answer: BD

NEW QUESTION 53

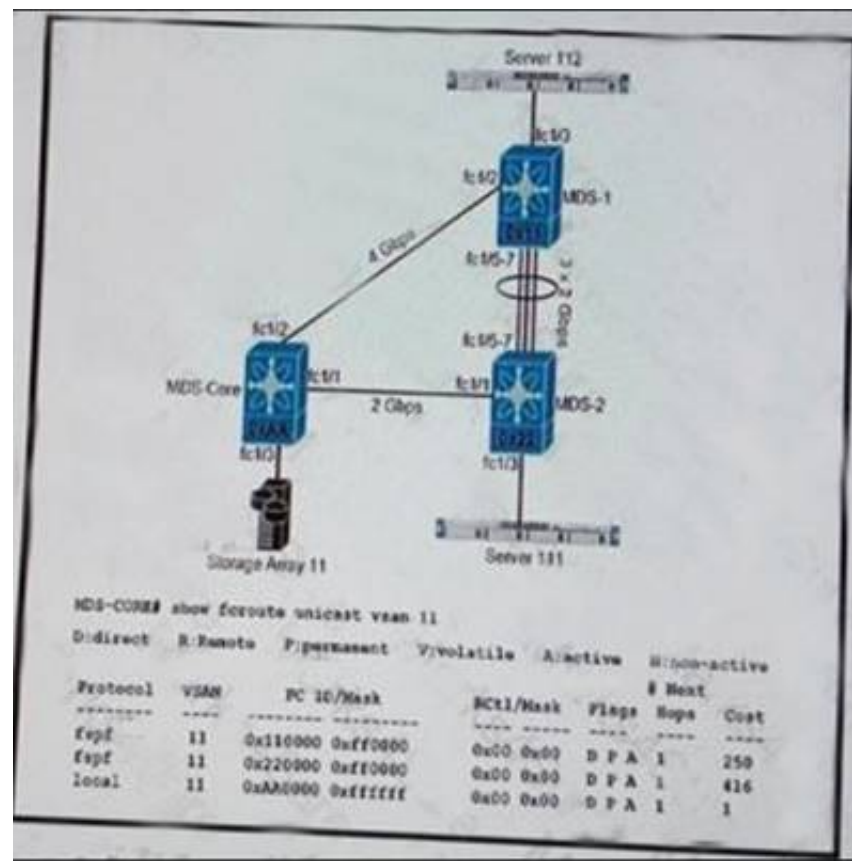
Which command do you to identify whether the ACI fabric discovered and the TEP addresses are assigned?

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

Answer: B

NEW QUESTION 55

Refer to the exhibit.



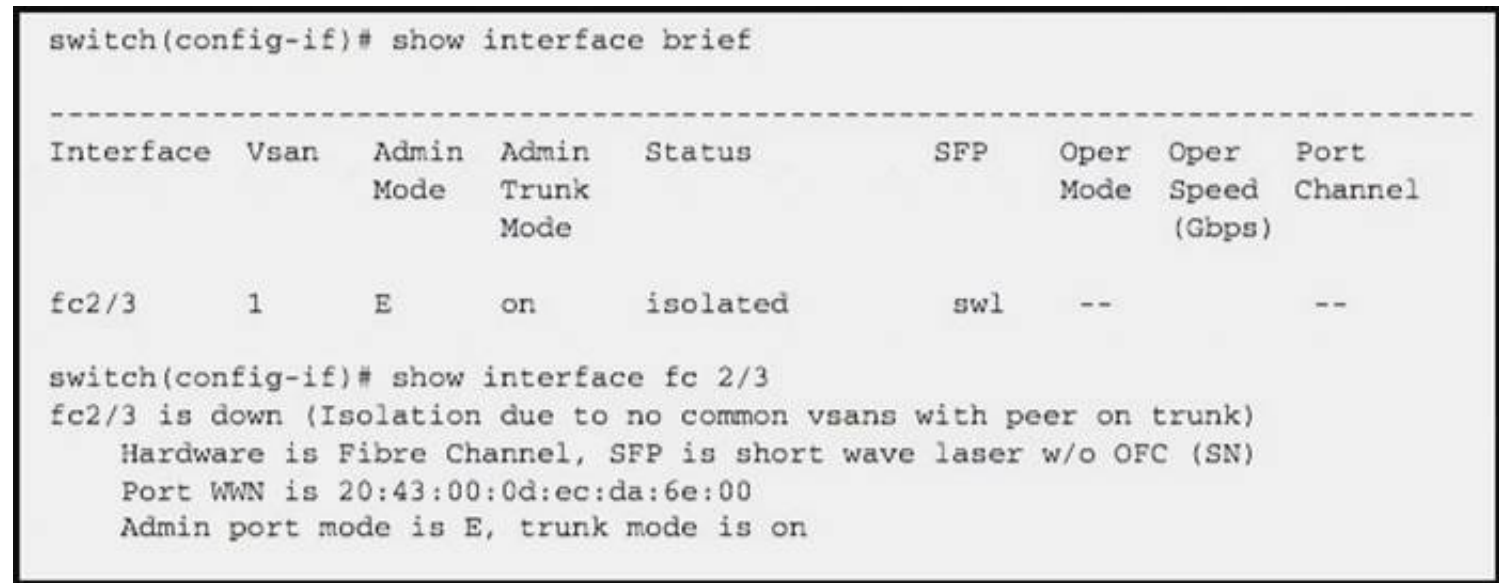
Your customer reports that all storage traffic from storage array 11 to server 111 is taking the longest path, traveling from MDS-1 to MDS-2. You start troubleshooting the issue buy checking the Fibre Channel routing table. Which configuration set fixes the customer issues without affecting the storage array route of server 112?

- A. MDS-Core(config)# interface fc1/1MDS-Core(config-if)# fspf cost 90 vsan 11
- B. MDS-Core(config)# interface fc1/1 MDS-Core(Config-if)# cost 80 vsan 11
- C. MDS-Core(config)# interface fc 1/1MDS-Coe(config-if)# fspf cost 60 vsan 11
- D. MDS-Core(config)# interface fc1/1MDS-Core(config-if)# fspf cost 70 vsan 11

Answer: C

NEW QUESTION 58

Refer to the exhibit.



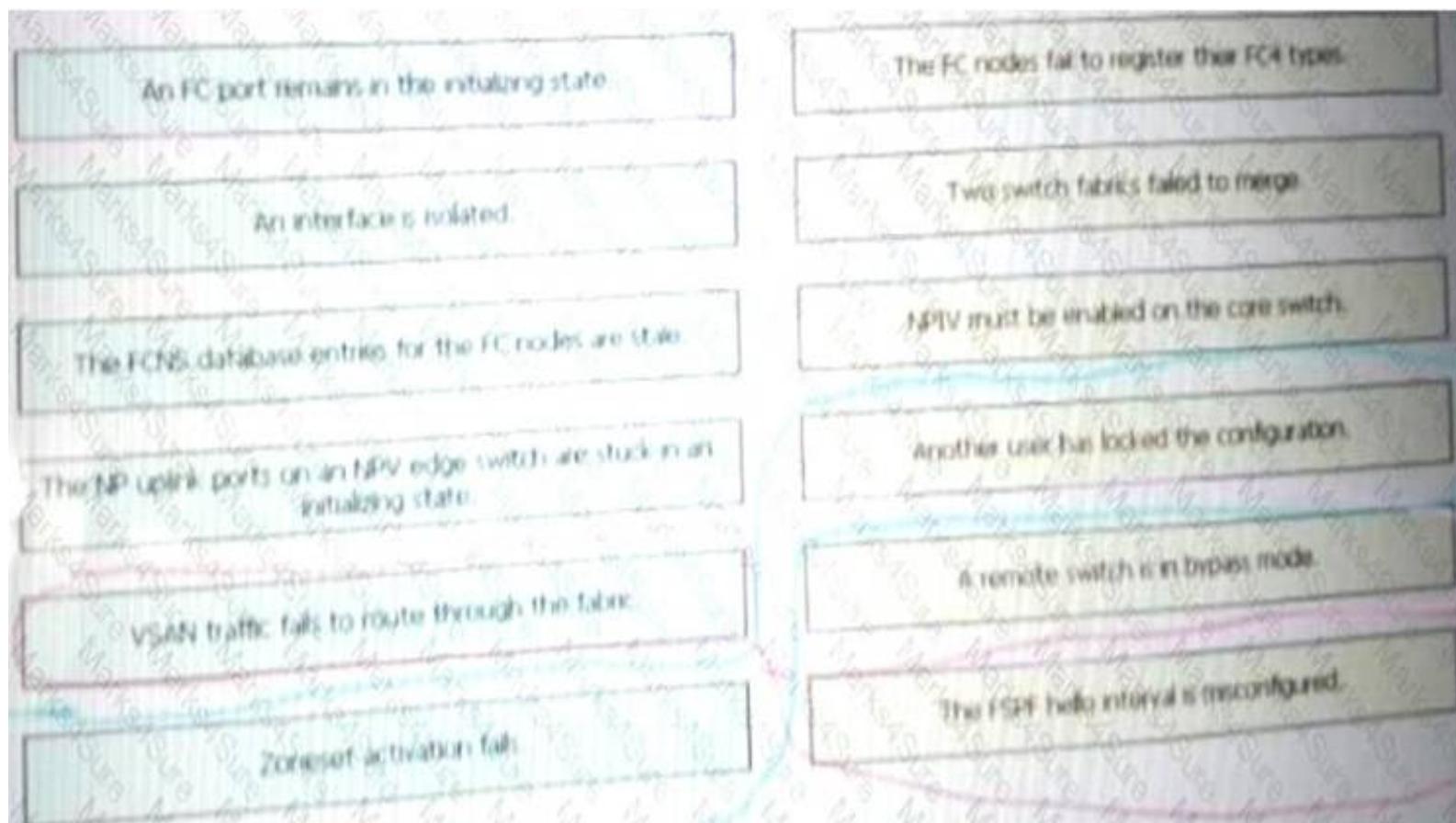
During a VSAN outage, you come across this configuration. Please select two possible causes? (Choose two)

- 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

Answer: AC

NEW QUESTION 60

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 61

Which command would you use to check the status of your configuration synchronization peer?

- A. N5K2# show switch-profile peer
- B. N5K2# show config-sync peer
- C. N5K2# show synch peer
- D. N5K2# show peer status
- E. N5K2# show switch peer

Answer: A

NEW QUESTION 62

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 64

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 66

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.

Load the system image.	
Reboot the switch and press Ctrl+L.	
Run dir to find the available images.	
Boot the kernel firmware by using the bootflash.	
Update the software version of the fabric interconnect.	

- A. Mastered
- B. Not Mastered

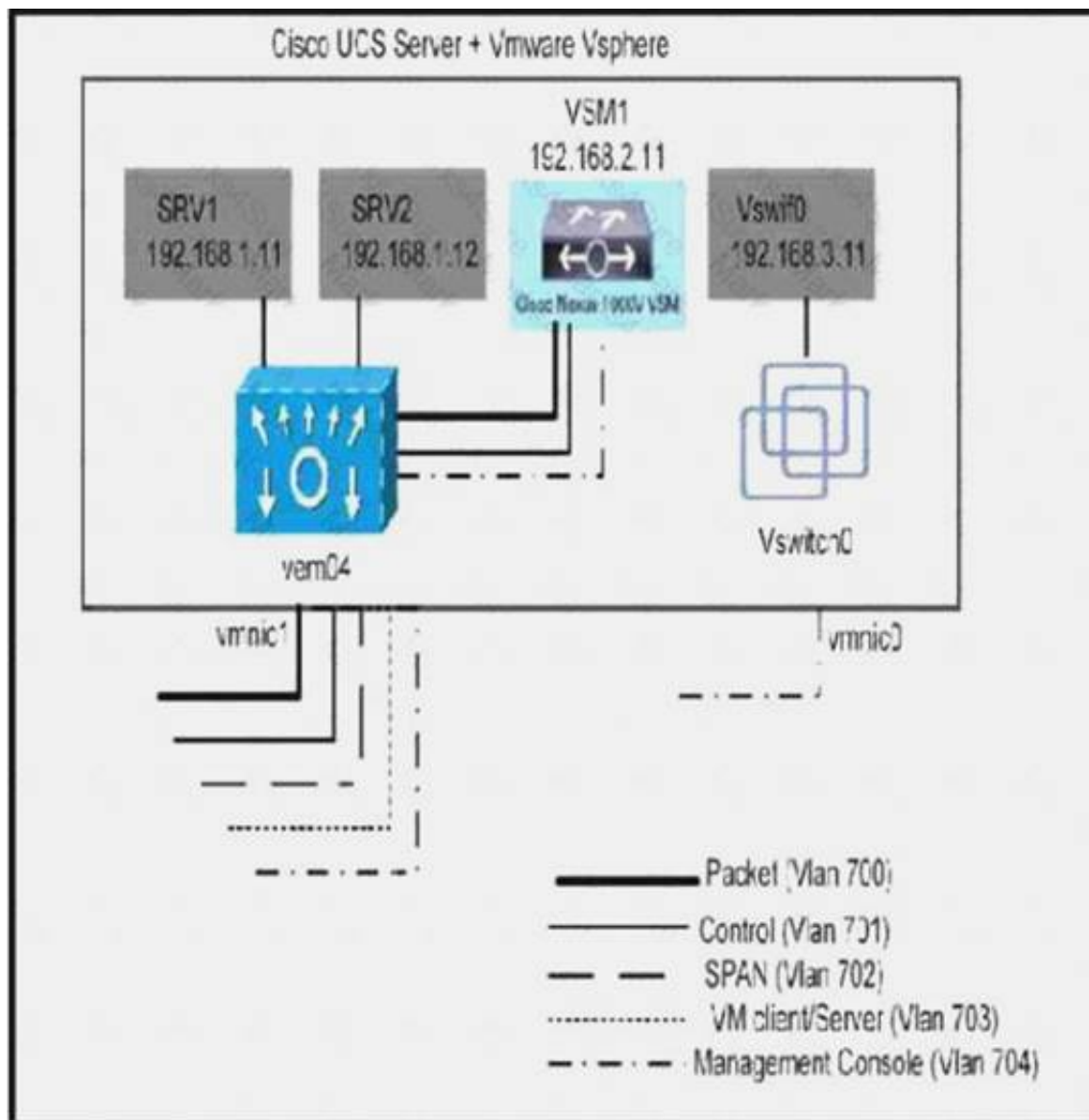
Answer: A

Explanation:

Load the system image.	Run dir to find the available images.
Reboot the switch and press Ctrl+L.	Load the system image.
Run dir to find the available images.	Update the software version of the fabric interconnect.
Boot the kernel firmware by using the bootflash.	Boot the kernel firmware by using the bootflash.
Update the software version of the fabric interconnect.	Reboot the switch and press Ctrl+L.

NEW QUESTION 71

Refer to the exhibit.



IGMP Snooping is configured on the Cisco Nexus 1000v switch to support the PIM sparse mode implementation within the data center. Which command validates the multicast configuration below on the Nexus 1000v switch?

VLAN	Group Address	Ver	Type	Port List			
-	*/*			v2	R		Eth1/1
-	224.0.1.24			v2	D		Veth8
-	239.0.0.1		v2		D	Veth1	
-	239.255.255.254		v2		D	Veth8	

- A. show ip igmp snooping groups vlan 702
- B. show ip igmp snooping groups vlan 700
- C. show ip igmp snooping groups vlan 703
- D. show ip igmp snooping groups vian 701

Answer: C

NEW QUESTION 73

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 76

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 81

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 84

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

- A. CoPP is applying microflow policing to all traffic from the host that is destined to the CPU.
- B. CoPP is applying microflow policing to all traffic to the host that is leaving the CPU.
- C. CoPP is rate-limiting all ICMP traffic that is destined to the CPU.
- D. CoPP is rate-limiting all ICMP traffic that is leaving the CPU.

Answer: C

NEW QUESTION 89

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 90

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 92

Which two effects of enabling the persistent FC ID feature are true? (Choose two.)

- A. N Ports receive the same FC IDs when they disconnect from and reconnect to any port on the same switch.
- B. The tcdomain automatically adds entries to the FC ID database when a device connects to a port.
- C. The volatile cache stores up to 4,000 entries containing the WWN to FC ID bindin
- D. New entries overwrite the oldest entries in the cache if the cache is full.
- E. The contents of the volatile cache are discarded when a server reboots.
- F. The FC IDs used in the fcdomain are saved after you reboot the switch.

Answer: AC

NEW QUESTION 96

If no traffic was ever sent across the overlay, what will the show mac address-table command on the OTV VDC indicate?

- A. invalid command
- B. the MAC address of the local OTV join interface
- C. the system IDs of all the local OTV edge devices
- D. the system IDs of all the local and remote edge devices in the overlay
- E. all the MAC addresses learned on the extended VLAN

Answer: B

NEW QUESTION 99

Which statement is true regarding Cisco FabricPath?

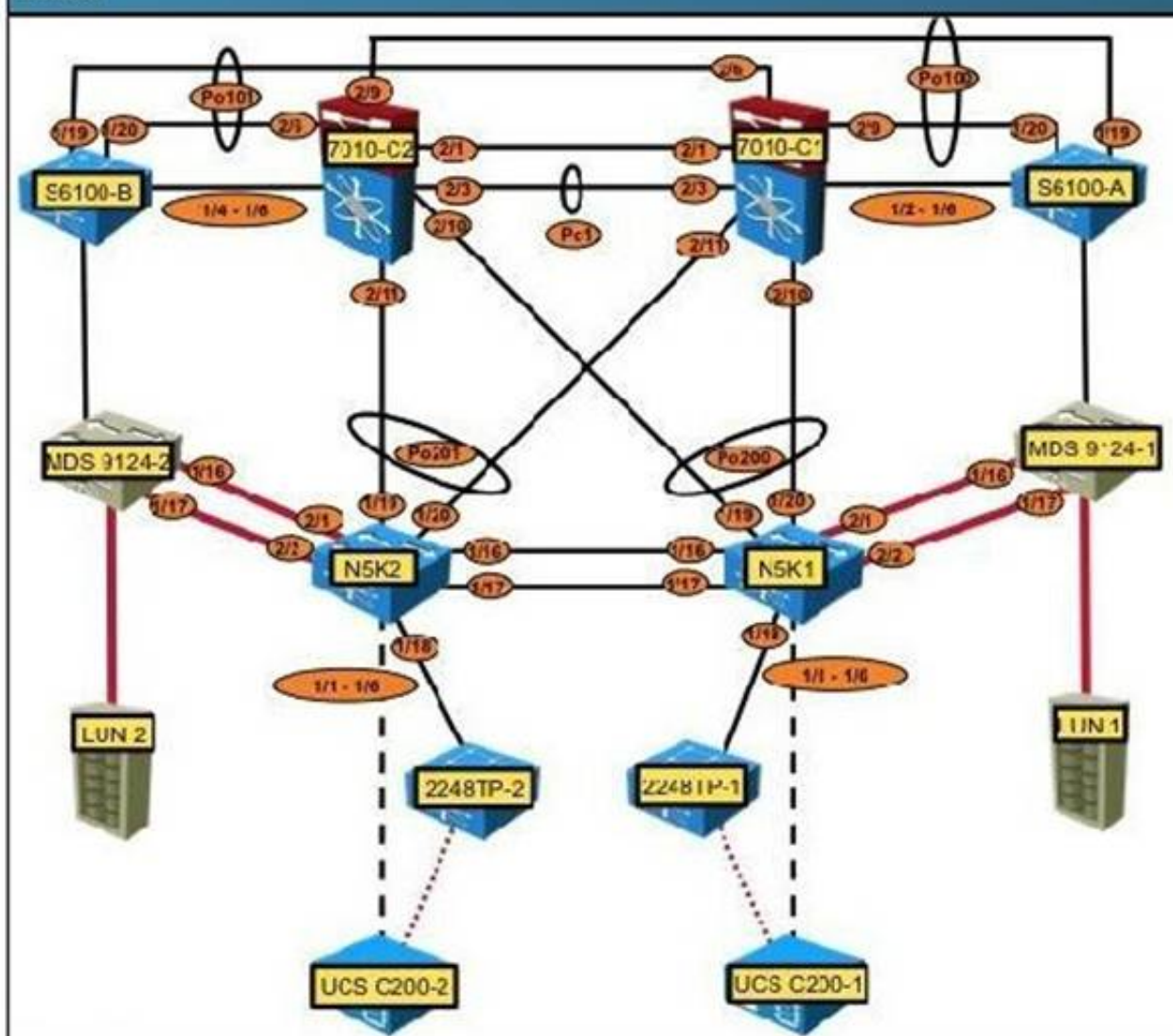
- A. It is necessary to first install the Cisco FabricPath feature set in the default VDC.
- B. Cisco FabricPath is only available on Cisco Nexus 7010 Switches with the Supervisor 2 engine.
- C. Cisco FabricPath cannot be disabled explicitly for a specific VDC.
- D. If the Cisco FabricPath feature is not installed, the fabricpath keyword will be available in the feature-set command.

Answer: A

NEW QUESTION 102

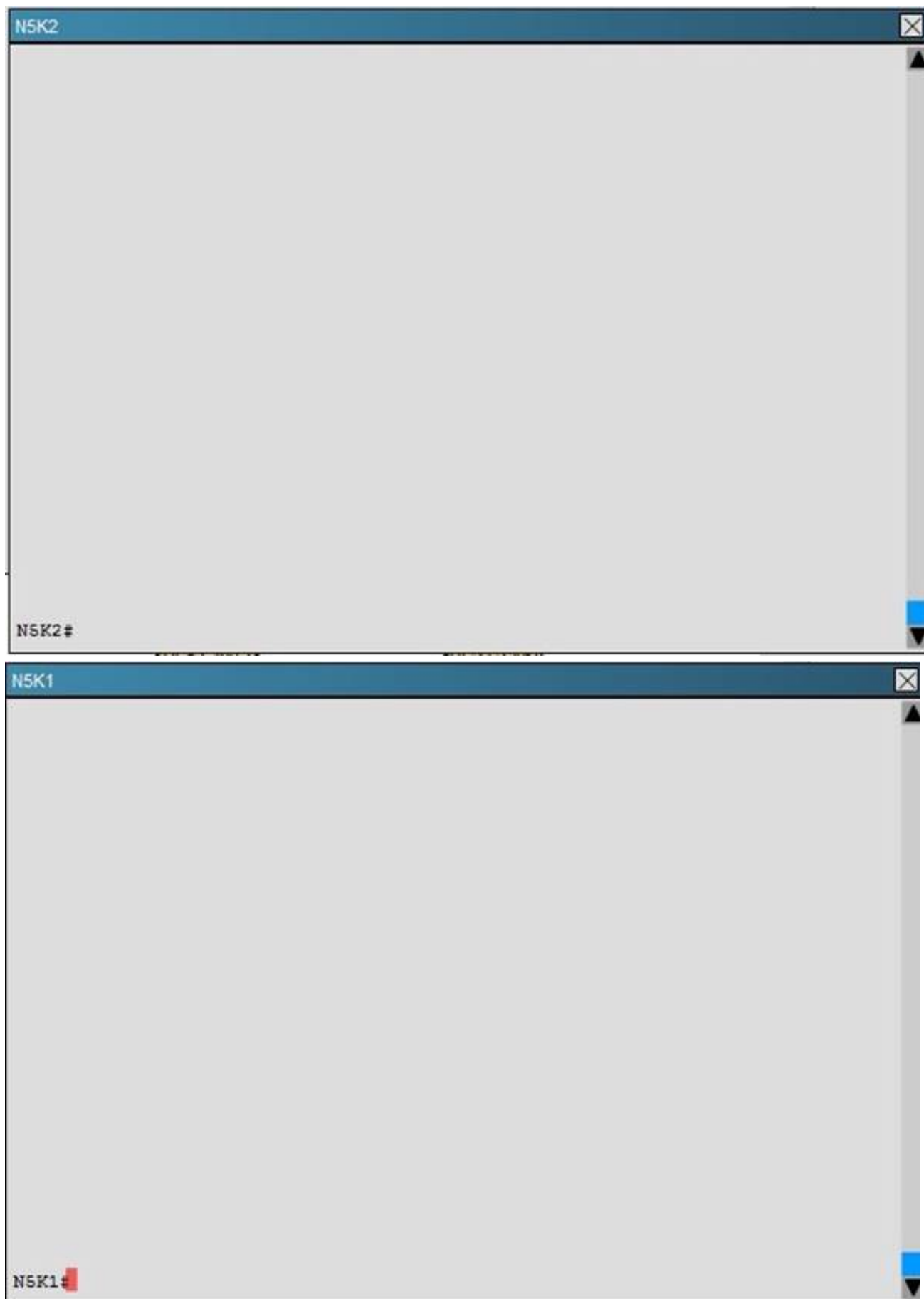
While the Nexus 7010 switches are configured with vPC, the Nexus 5000 switch connections to each Nexus 7010 are configured as regular port-channels. Which statement best describes the problem affecting the port channel on N5K1?

Exhibit1



7010-C1

7010-C1#



- 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 105

An administrator wants to combine the advantages of a trunking F port and an F port channel. Which command on a Cisco MDS switch should be used to enable this?

- A. enable port-channel
- B. feature trunking-fport
- C. feature fport-channel-trunk
- D. port-channel trunk
- E. feature fport-trunk

Answer: C

NEW QUESTION 110

Which command output shows the interface assigned as the designated receiver of each VLAN?

- A. show system vlan reserved
- B. show vlan internal bd-info bd-to-vlan all-bd
- C. show port internal info all
- D. show platform software enm internal info vlandb all

Answer: D

NEW QUESTION 112

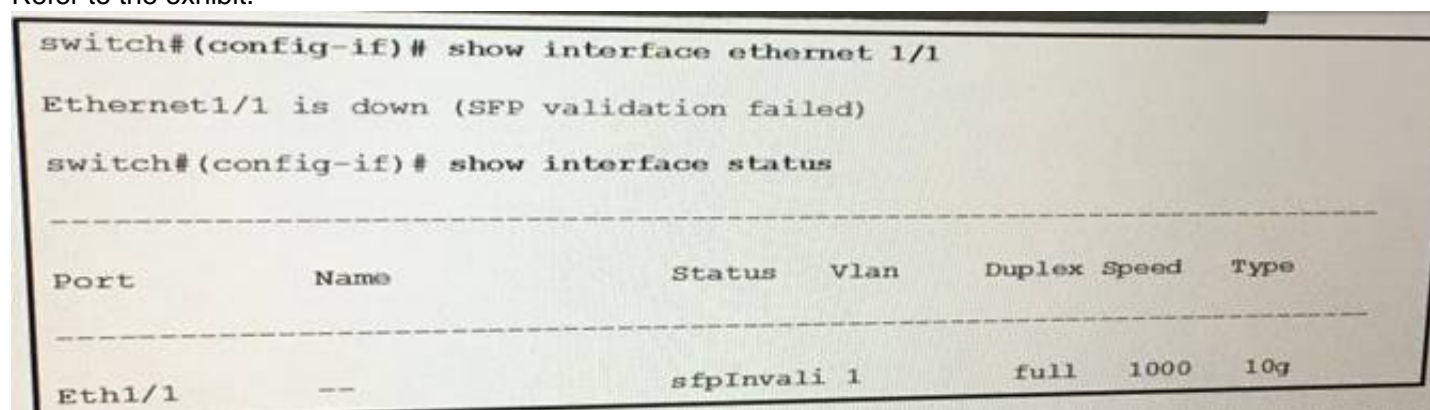
What is the correct configuration for interface Ethernet 1/1 of a Cisco Nexus 5000 Series Switch when it is a member of port channel 101 connected to FEX 101?

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

Answer: D

NEW QUESTION 116

Refer to the exhibit.



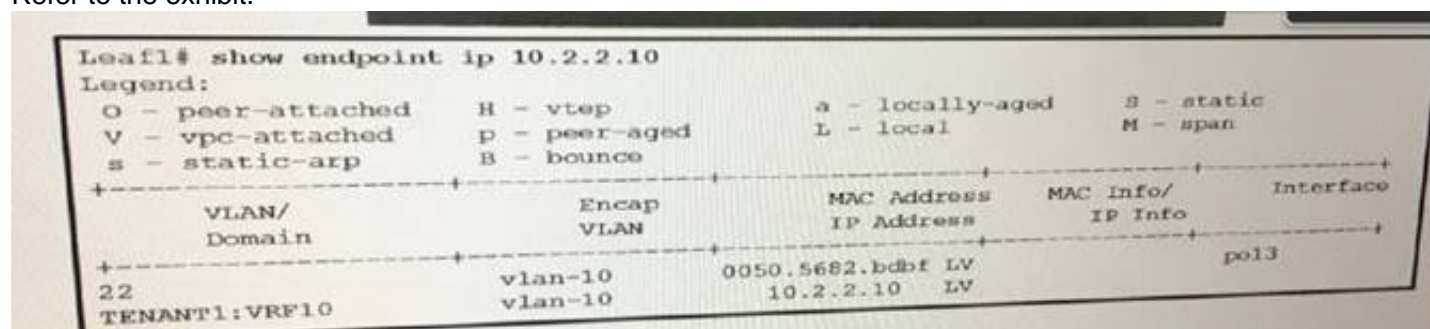
You connect Cisco Nexus 5600 Series switches to Cisco Nexus 2200 Series Fabric Extenders by using FET-10G SFPs. Which command resolves the error that is shown in the exhibit?

- A. switch#(config-if)# switchport mode dot1q tunnel trunk
- B. switch#(config-if)# switchport mode fex-fabric
- C. switch#(config-if)# switchport mode dynamic desirable
- D. switch#(config-if)# switchport mode fabricpath

Answer: B

NEW QUESTION 117

Refer to the exhibit.



Which statement accurately described the output?

- A. There are two EPGs associated to the 10.2.2.10 IP address
- B. The displayed endpoint is attached via a vPC.
- C. The displayed endpoint is a local VTEP
- D. There are two endpoints associated to the 10.2.2.10 IP address

Answer: D

NEW QUESTION 121

You have enabled configuration synchronization between two Cisco Nexus 5548UP Switches. You create a port channel on switch 1 and determine that it was not synchronized with its peer. The peer switch can be pinged on the management VRF. When you check your peer status, you receive a "peer not reachable" message in the command output. What is the explanation for this?

- A. CDP is disabled.
- B. An LACP mismatch exists on the peer interfaces.
- C. UDLD is disabled.
- D. CFSolP is disabled.
- E. Multicast routing is enabled.

Answer: D

NEW QUESTION 122

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 125

Refer to the exhibit.

```
* # vmsvc show card
Card UUID type 2: 24266920-d498-11e0-0000-000000000000
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 (DPA) MAC: 00:02:3d:40:1b:02
VSM SPAN MAC: 00:02:3d:50:1b:02
Primary VSM MAC : 00:50:56:bc:74:f1
Primary VSM PRT MAC : 00:50:56:bc:62:bd
Primary VSM MGMT MAC : 00:50:56:bc:0b:d5
Standby VSM CTRL MAC : 00:50:56:bc: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 OUPB: DISABLED
Heartbeat Set: True
PC LB Algo: source-mac
Datapath portset event in progress : no
Licensed: Yes

switch1# show mac address-table | grep 1b02
* 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 126

Which three commands will show all the MAC addresses learned from remote sites in an OTV overlay? (Choose three.)

- A. show otv arp-nd-cache
- B. show otv route overlay
- C. show otv vlan
- D. show ip arp
- E. show mac address-table
- F. show otv site

Answer: ABE

NEW QUESTION 131

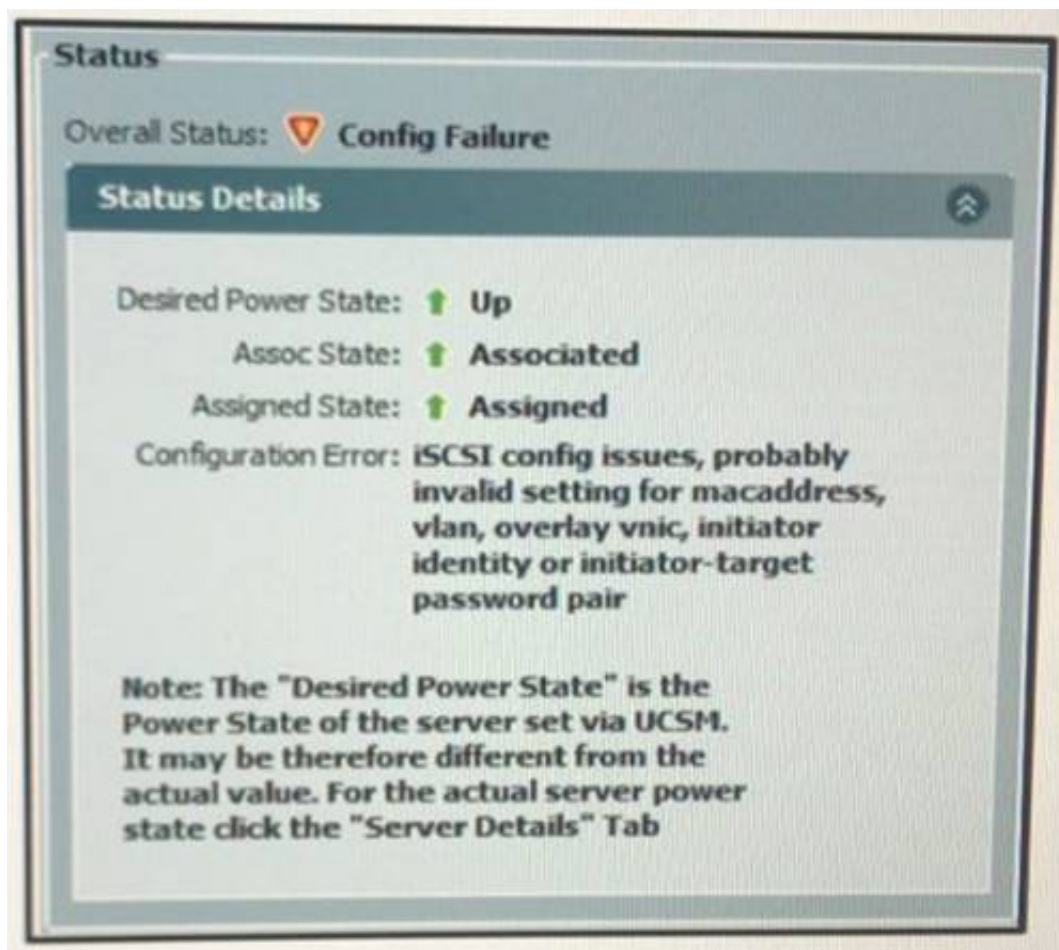
When you look at the HSRP state for devices on a VLAN that is extended by OTV, you see the following states: Active, Standby, and Listen. However, you intended each data center device to show the state as Active and Standby. What is the problem?

- A. HSRP is not configured correctly.
- B. A VACL is missing.
- C. A PACL is missing.
- D. This cannot be done.

Answer: A

NEW QUESTION 132

Refer to the exhibit. You fail to configure a boot from iSCSI service profile. Which action do you take to troubleshoot the issue?



- A. Attempt to ping the IP address of the iSCSI target.
- B. Check the LUN masking configuration.
- C. In the CLI of Cisco UCS Manager, verify that the blade is attached to the LUN.
- D. Check the native VLAN configuration on the overlay vNIC.

Answer: D

NEW QUESTION 136

Which command is used to check for potential vPC configuration consistency problems?

- A. show vpc brief interface
- B. show vpc global config
- C. show vpc consistency-parameters global
- D. show vpc config

Answer: C

NEW QUESTION 140

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 144

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 148

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 149

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 153

Which two commands will show all the OTV edge devices and their MAC addresses in all sites in the overlay? (Choose two.)

- A. show otv adjacency overlay
- B. show otv site
- C. show otv vlan
- D. show otv adjacency
- E. show mac address-table

Answer: AD

NEW QUESTION 154

Which two options are Cisco UCS default user roles? (Choose Two)

- A. LAN Administrator
- B. FCoE Administrator
- C. Server Equipment Administrator
- D. Administrator
- E. Server Resource Administrator

Answer: CD

NEW QUESTION 158

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 159

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 164

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 168

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

NEW QUESTION 172

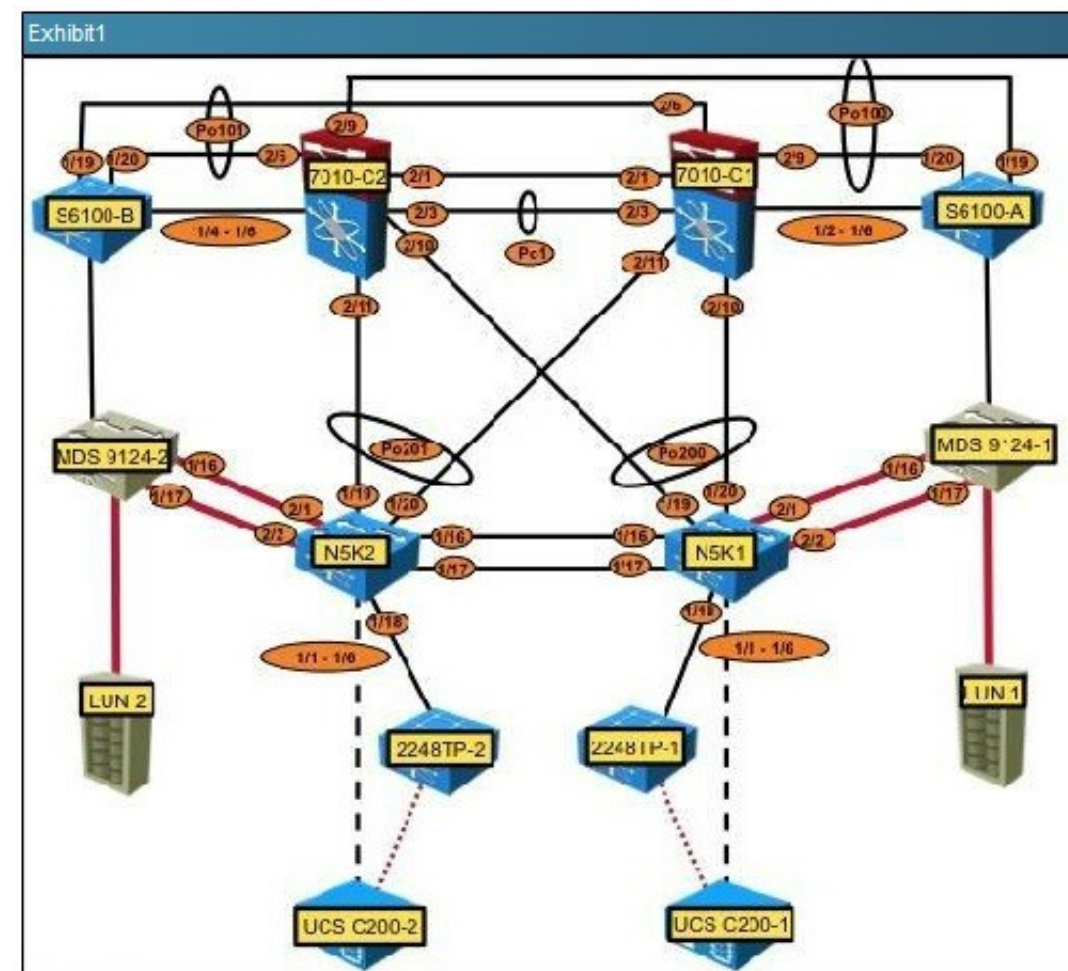
Which statement is true regarding the port channel 100 and 101 configurations between the Nexus 7010 switches?

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 177

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 179

Refer to the exhibit.

N7k-1# show vdc									
vdc_id	vdc_name	state	mac	type	lc				
1	N7K-1	active	00:26:98:0f:d9:c1	Ethernet	m1	f1	m1x1	m2x1	
2	Agg1	active	00:26:98:0f:d9:c2	Ethernet	m1	f1	m1x1	m2x1	
3	OTV1	active	00:26:98:0f:d9:c3	Ethernet	m1	f1	m1x1	m2x1	
4	Access1	active	00:26:98:0f:d9:c4	Ethernet	f2				

You attempt to delete the N7K-1 VDC, the operation is unsuccessful. Which cause of the issue is true?

- A. Custom resource allocations are assigned in the VDC.
- B. N7K-1 is the default VDC.
- C. You are logged in as vdc-admin.
- D. Interfaces are assigned to N7K-1.

Answer: D

NEW QUESTION 184

A customer calls you to report that it receives an error when entering the pinning max-links 4 command in FEX configuration mode on its Cisco Nexus 5596T Switch. Which of these is a likely cause for this condition?

- A. The FEX fabric interface is down.
- B. The transceiver is incorrect.
- C. A fabric interface is in a port channel.
- D. The fabric interface switchport mode is set to Access.
- E. Only two fabric interfaces are connected.

Answer: C

NEW QUESTION 189

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 synched.
- 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 193

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: ACF

NEW QUESTION 196

Refer to the exhibit.

Boot from SAN fails. The host fails to detect the LUNs. You must resolve the issue. Drag and drop the WWPNs on the left to the correct zones on the right.

50:06:01:69:3E:E0:58:87	host1_hba0_SP1 vsan 100
20:00:00:25:b5:aa:00:01	host1_hba1_SP1 vsan 200
50:06:01:64:3E:E0:58:87	host1_hba0_SP2 vsan 100
20:00:00:25:b5:bb:00:01	host1_hba1_SP2 vsan 200

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1- D, 2-C, 3-A, 4-B

NEW QUESTION 197

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

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

Answer: A

NEW QUESTION 200

ACisco Nexus 7010 Switch that is at the core of a customer network has high CPU utilization. What can the customer do to prevent a network outage and identify why CPU utilization is high?

- A. apply a rate limit on the interfaces with high traffic
- B. use CoPP
- C. use HSRP and vPC for redundancy to handle high CPU utilization
- D. use the show process cpu command to see the high CPU utilization

Answer: B

NEW QUESTION 203

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 208

Which statement would explain why the overlay interface on an OTV edge device is not in the up state?

- A. The site identifiers are identical within a multihomed site.
- B. Multicast groups are not mapped to a range of SSM addresses to carry the multicast traffic.
- C. An adjacency server is not configured for connectivity over a multicast transport.
- D. The OTV IS-IS metrics do not match across all adjacent OTV edge devices.

Answer: B

NEW QUESTION 210

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