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**Exam** : **300-180**

**Title** : Troubleshooting Cisco Data  
Center Infrastructure

**Vendor** : Cisco

**Version** : DEMO

**NO.1** 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 portf/leaf.
- D. Enable a spanning tree on the VLANs on the leaf

**Answer:** B

**NO.2** 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:** A,D

**NO.3** Refer to the exhibit.

```
switch(config-vsantdb)# show interface brief
-----
Interface  Vsan    Admin  Admin  Status      SFP    Oper  Oper  Port
          Mode   Trunk  Mode                                     Mode  Speed Channel
          (Gbps)
-----
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
          (Gbps)
-----
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-vsantdb)# 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

**NO.4** 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

**NO.5** You use external storage to SAN boot Cisco UCS B-Series Blade Servers. The servers also have internal disks.

You discover that one of the servers fails to boot from the SAN.

Which two options do you verify? (Choose two.)

- A. the cabling
- B. the zoning
- C. the LUN masking on the storage array
- D. the boot order of the blade servers
- E. the blade power consumption

**Answer:** B,C

**NO.6** 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

**NO.7** 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:** A,D

**NO.8** Why do color blocking logic counters increment while the unidirectional packet flow is troubleshot in a FabricPath topology?

- A. One of the switches in the topology has gone down.
- B. A FabricPath loop has been detected.
- C. FabricPath switch IDs are overlapped in the current topology.
- D. VLANs are being blocked due to missing FabricPath VLANs.

**Answer:** D

**NO.9** You have blade servers that run VMware ESXi. Which two tasks do you perform to ensure that all of the components in the Cisco UCS environment use jumbo frames? (Choose two.)

- A. Use a QoS policy for the jumbo frames.
- B. Configure the MTU on the vSwitch.
- C. Configure the fabric interconnect to support 9500-byte frames.
- D. Configure the MTU on the vNIC.
- E. Configure a QoS policy on the vSwitch.

**Answer:** A,B

**NO.10** What is the correct configuration for interface Ethernet 1/1 of a Cisco Nexus 5000 Series Switch when it is a member of port channel 101 connected to FEX 101?

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

fex associate 101  
channel-group 101

**Answer:** D

**NO.11** Which configuration is needed to suppress duplicate IP addresses when HSRP localization is enabled?

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

**Answer:** B

**NO.12** After a Cisco UCS Manager upgrade, you discover issues relating to the IQN of several service profiles.

Which two options are possible causes of the problem? (Choose two.)

- A. duplicate service profiles
- B. a duplicate IQN within a service profile
- C. a duplicate IQN across multiple service profiles
- D. an unsuccessful upgrade
- E. incorrect VSAN settings

**Answer:** B,C

**NO.13** Which statement about Cisco UCS version compatibility is true?

- A. All bundles (A, B, and C) must be the same version.
- B. The B and C bundles must be the same revision.
- C. The A bundle can be one revision higher than the B/C bundles.
- D. The B/C bundles can be one revision higher than the A bundles.

**Answer:** C

**NO.14** You attempt to boot a supported Linux operating system live image from the eUSB in a Cisco UCS blade-server environment, but the boot fails. Which option is the most likely cause of the failure?

- A. In the Service Profile, a device other than the eUSB is set first in the boot order for the server.
- B. The eUSB license is unavailable or the grace period of the license is expired.
- C. The blade servers are unable to boot from the eUSB. The eUSB is used only for virtual machines.
- D. Access to the eUSB is disabled for that blade server by Power Manager.

**Answer:** A

**NO.15** Which command helps to determine if there are any conflicts in the network with respect to a FabricPath configuration?

- A. show licenses
- B. show fabricpath conflict

- C. show fabricpath conflict all
- D. switchport mode fabricpath

**Answer:** C

**NO.16** Which option describes how you can reset the BIOS password of a Cisco UCS C-Series Rack-Mount Server?

- A. Turn off the server. Press and hold the F7 key, and then turn on the server.
- B. Reset the jumper on the motherboard.
- C. Press and hold the power switch for 20 seconds.
- D. Turn off the server. Press and hold the F2 key, and then turn on the server.

**Answer:** B

**NO.17** You attempt to install the 64-bit version of Windows Server 2008 on a Cisco UCS C-Series Rack-Mount Server.

The installation starts, but the operating system fails to recognize the hard drive or the RAID array. Which option is the cause of the problem?

- A. Windows Server 2008 is incompatible with Cisco UCS C-Series servers.
- B. The HDD firmware is too old and fails to be recognized by the operating system.
- C. LSI drivers are not bundled in the 64-bit version of Windows 2008.
- D. Microsoft operating systems are cannot be installed on RAID arrays.

**Answer:** C

**NO.18** When you ping your new Cisco Nexus 7010 Switch, you see this output:

!!...!!...!!...!!...!!...

What could be the problem?

- A. Traffic may be taking a bad route through the network.
- B. HSRP is flapping.
- C. CoPP is rate-limiting the pings.
- D. The switch has high CPU utilization.

**Answer:** C

**NO.19** 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

**NO.20** Which command on the Fabric Interconnect displays packet statistics for a given QoS group and MTU size?

- A. show policy-map interface ethernet x/y
- B. show queuing interface ethernet x/y
- C. show interface ethernet x/y
- D. show class-map type qos
- E. show interface queuing ethernet x/y

**Answer:** B