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Exam Name: Troubleshooting Cisco Data Center Infrastructure (DCIT)

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QUESTION 1

Which piece of information does the FSM provide?

- A. the current task and status
- B. a collection of blade statistics
- C. the last user to access the resource
- D. a list of faults currently suppressed by the Cisco UCS Manager

Answer: A

QUESTION 2

Which of these does not have an FSM associated with it?

- A. vCenter connection
- B. service profile
- C. server hardware
- D. service profile templates

Answer: D

QUESTION 3

Refer to the exhibit. Which tab would be the most useful for troubleshooting a blade discovery problem?

SEL Logs	Power Control Monitor	Connectivity Policy	Faults	Events	FSM	Statistics	Temperatures	Power
General	Servers	Service Profiles	IO Modules	Fans	PSUs	Hybrid Display	Slots	Installed Firmware

- A. Faults
- B. Events
- C. FSM
- D. Servers

Answer: C

QUESTION 4

RBAC is a method of restricting access for a particular user on which two of these? (Choose two.)

- A. roles
- B. realm
- C. locales
- D. RADIUS
- E. LDAP

Answer: AC

QUESTION 5

A customer is configuring LAN pin groups in a Cisco UCS domain. The customer has two fabric interconnects and would like to associate the pin group with only one interconnect. Which

statement about this configuration is true?

- A. In a system with two fabric interconnects, you can associate the pin group with only one fabric interconnect, and the other fabric interconnect will not be usable.
- B. In a system with two fabric interconnects, you can only associate the pin group with both fabric interconnects; you cannot associate the pin group with only one fabric interconnect.
- C. In a system with two fabric interconnects, you can associate the pin group with only one fabric interconnect or with both fabric interconnect. This is a supported configuration.
- D. This configuration is not supported in a Cisco UCS domain.

Answer: C

QUESTION 6

A customer is configuring an upstream disjoint Layer 2 network in a Cisco UCS domain. So far they have configured the following:

- Fabric Interconnects are in switching mode.
- There is symmetrical configuration for high availability.
- There are no overlapping VLANs.

Each vNIC is communicating with one disjoint Layer 2 network. After validating the above, the customer is still having issues with network connectivity. What is the issue?

- A. Overlapping VLANs are allowed in a disjoint Layer 2 network.
- B. The vNIC configuration is incorrect and must communicate with two or more disjoint layer 2 networks.
- C. The fabric interconnect must be in end-host mode for a disjoint Layer 2 network.
- D. Asymmetrical configuration for high availability needs to be configured.

Answer: C

QUESTION 7

A customer is configuring a network control policy in a Cisco UCS domain. The network control policy configures the network control settings for the Cisco UCS domain, including which three of these? (Choose three.)

- A. how the VIF behaves if no uplink port is available in end-host mode
- B. the action that the Cisco UCS Manager takes on the remote Ethernet interface, vEthernet interface, or vFibreChannel interface when the associated border port fails
- C. Layer 2 switching on the fabric interconnect
- D. whether MAC registration occurs on a per-vNIC basis or for all VLANs
- E. the end-host mode setting on the I/O module

Answer: ABD

QUESTION 8

A customer is troubleshooting QoS in a Cisco UCS domain due to high packet drops in the network. The customer has configured the vNIC and associated QoS policy, and changed the MTU from 1000 to 1200. Packet drops still exist. What is the cause of this issue?

- A. The MTU specified here must be greater than the MTU specified in the associated QoS system class. If this MTU value is less than the MTU value in the QoS system class, packets may be dropped during

- data transmission.
- B. The MTU specified here must be equal to or less than the MTU specified in the associated QoS system class. If this MTU value exceeds the MTU value in the QoS system class, packets may be dropped during data transmission.
 - C. The MTU specified here must be less than the MTU specified in the associated QoS system policy. If this MTU value exceeds the MTU value in the QoS system policy, packets may not be dropped during data transmission.
 - D. The MTU must be optimized and should be changed to fc with the CLI command set mtu fc.

Answer: B

QUESTION 9

A customer is configuring the dynamic vNIC connection policy in a Cisco UCS domain. Why is the dynamic vNIC policy required?

- A. It is only required if you are configuring VM-FEX.
- B. It is only required if you are configuring Adapter-FEX.
- C. It is mainly for the Cisco UCS Manager to communicate with the fabric interconnect.
- D. It is required for Cisco UCS instances that include servers with VIC adapters on which you have installed VMs and configured dynamic vNICs.

Answer: D

QUESTION 10

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

QUESTION 11

Looking at the Equipment > Chassis > Servers > Server X view from the Cisco UCS Manager GUI, which tab would you select to identify the fabric interconnect uplink associated with a given virtual circuit?

- A. Paths
- B. vNIC Paths
- C. Virtual Circuit Paths
- D. VIF Paths

Answer: D

QUESTION 12

While attempting to boot a Cisco UCS server from SAN, you are unable to see the LUN. Which of these are causing the problem? (Choose three.)

- A. VHBA template
- B. RAID policy
- C. zoning
- D. LUN ID
- E. vACLs
- F. disjoint fabrics

Answer: ACD

QUESTION 13

A Cisco UCS chassis has two ports on I/O Module 1 connected to Fabric Interconnect A, and two ports on I/O Module 2 connected to Fabric Interconnect B. The I/O modules are connected to ports 1 and 2 on their respective fabric interconnects, and end host mode is configured. After a link failure occurs on port 1 of I/O Module 1, what happens to the traffic that was pinned to that link?

- A. The traffic fails until the link issue is resolved.
- B. The traffic is repinned to I/O Module 2 link 1, which is connected to Fabric Interconnect B.
- C. The traffic is repinned to the remaining link between I/O Module 1 and Fabric Interconnect A.
- D. The traffic is repinned automatically to Fabric Interconnect B.

Answer: C

QUESTION 14

During a password recovery of a Cisco UCS system in a cluster configuration, what happens to blade traffic?

- A. There is no interruption to traffic, as the fabrics go down one at a time.
- B. Traffic stops flowing until the process is complete.
- C. There is no interruption to traffic because both fabrics stay up the whole time.
- D. Traffic will continue to flow, but at a limited rate until the process is complete.

Answer: B

QUESTION 15

For a KVM session to be successful, which two of these need to be done? (Choose two.)

- A. The Cisco IMC IP address needs to be assigned on the Admin tab.
- B. The Cisco IMC IP address needs to be in the same subnet as the management IP.
- C. The Cisco IMC needs to be upgraded to the same version as the UCS Manager.
- D. The server needs to be fully discovered.

Answer: AD

QUESTION 16

As a Cisco UCS administrator, you have a large deployment of C-Series servers. You decide to integrate these into a Cisco UCS Manager environment to simplify management. Which two of these will you need to purchase? (Choose two.)

- A. two fabric interconnects
- B. a dedicated Cisco IMC
- C. two fabric extenders
- D. two I/O modules

Answer: AC

QUESTION 17

Which three Cisco UCS server components can be upgraded via a host firmware package?
(Choose three.)

- A. BIOS
- B. Cisco UCS Manager
- C. I/O module
- D. Cisco IMC
- E. fabric interconnect
- F. adapter
- G. board controller

Answer: AFG

QUESTION 18

Which three methods can be used to upgrade the Cisco IMC? (Choose three.)

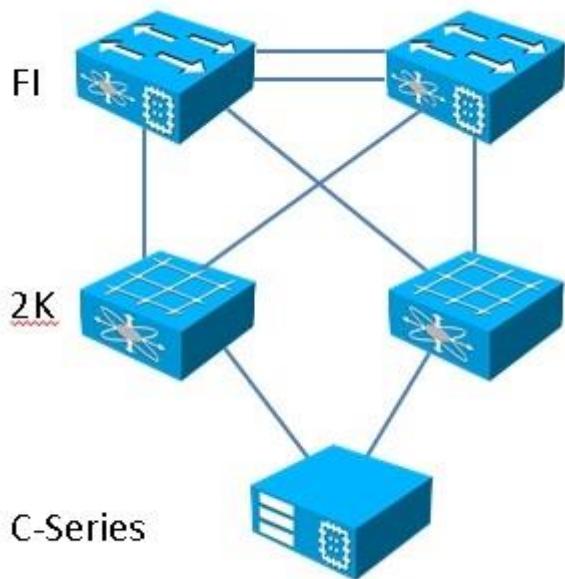
- A. host firmware package
- B. blade firmware package
- C. controller firmware package
- D. management firmware package
- E. directly on the blade, under the Installed Firmware tab
- F. directly on the blade, under the Blade Firmware tab
- G. directly on the blade, under Inventory > CIMC

Answer: DEG

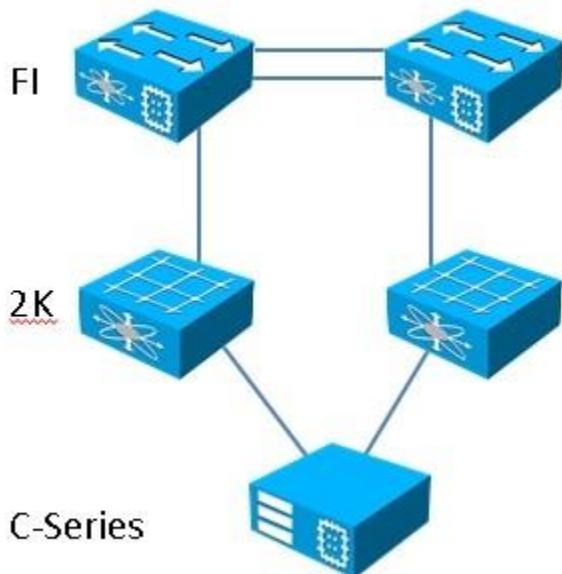
QUESTION 19

Which of these is a supported Cisco C-Series integration topology?

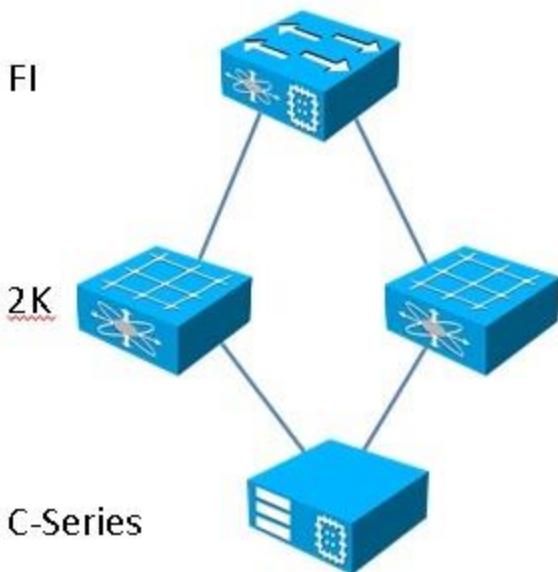
A)



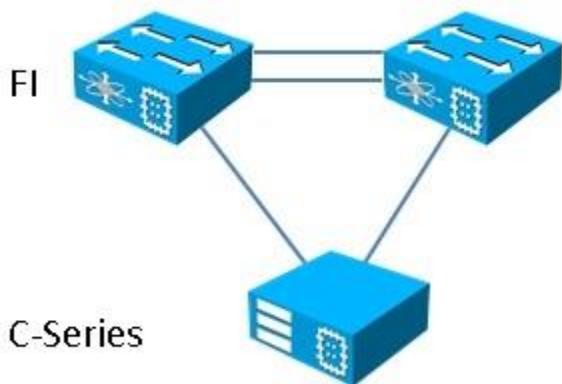
B)



C)



D)



- A. Exhibit A
- B. Exhibit B
- C. Exhibit C
- D. Exhibit D

Answer: A

Explanation:

Using vPC you can have cross link:

<http://anastarsha.com/cisco-nexus-2000-5000-vpc-connectivity-options/>

QUESTION 20

Which command sequence in the Cisco UCS C-Series rack server CLI sends tech support data to a TFTP server?

- A. ucs-c250 / # scope cimc
 ucs-c250 /cimc # scope tech-support
 ucs-c250 /cimc/tech-support # set path default.tar.gz
 ucs-c250 /cimc/tech-support *# set tftp-ip 192.168.70.45
 ucs-c250 /cimc/tech-support *# commit
- B. ucs-c250 / # scope system
 ucs-c250 /system # scope tech-support
 ucs-c250 /system/tech-support # set path default.tar.gz
 ucs-c250 /system/tech-support *# set tftp-ip 192.168.70.45
 ucs-c250 /system/tech-support *# commit
- C. ucs-c250 / # scope support
 ucs-c250 /support # scope tech-support
 ucs-c250 /support/tech-support # set path default.tar.gz
 ucs-c250 /support/tech-support *# set tftp-ip 192.168.70.45
 ucs-c250 /support/tech-support *# commit
- D. ucs-c250 / # scope fault
 ucs-c250 /fault # scope tech-support
 ucs-c250 /fault/tech-support # set path default.tar.gz
 ucs-c250 /fault/tech-support *# set tftp-ip 192.168.70.45
 ucs-c250 /fault/tech-support *# commit

Answer: A

QUESTION 21

What is the recommended procedure to update Cisco UCS C-Series rack-mount server firmware?

- A. Launch the Cisco UCS Firmware Update Utility from virtual media.
- B. Launch the Cisco UCS Host Update Utility from virtual media.
- C. Launch the Cisco UCS Server Update Utility from virtual media.
- D. Launch the Cisco UCS CIMC Update Utility from virtual media.

Answer: B

QUESTION 22

You are installing Microsoft Windows Server 2008 R2 on a Cisco UCS C210 M2 server, and the installer does not see local storage on the LSI MegaRAID SAS 9260-4i controller that is installed. Which statement explains the issue?

- A. The driver is not included in the installer DVD.
 Press F6 to load the LSI RAID driver from CD or virtual media.
- B. The virtual disk is not created and online.
- C. The LSI 9260-4i is only supported by Red Hat Enterprise Linux and VMware vSphere 4.0 and later.
- D. The installer DVD for Microsoft Windows Server 2008 R2 did not include the LSI driver until SP2.

Answer: A

Explanation:

All windows drivers (not included) must be installed via F6.

QUESTION 23

Which CLI command will indicate whether a Cisco UCS C-Series rack-mount server has any failed DIMMs?

- A. ucs-c250 / # scope chassis
 ucs-c250 /chassis # show dimm-summary
- B. ucs-c250 / # scope chassis
 ucs-c250 /chassis # show dimm-fault
- C. ucs-c250 / # scope chassis
 ucs-c250 /chassis # show dimm-ecc
- D. ucs-c250 / # scope chassis
 ucs-c250 /chassis # show dimm-recovery

Answer: A

QUESTION 24

You successfully install VMware ESXi 5.0 U1 on a Cisco UCS B200 M3 server to a Fibre Channel LUN. When you reboot the server, you see the message "Reboot and Select Proper Boot device or insert Boot Media in selected Boot device and press a key."

What are the first two pieces of information you should gather to troubleshoot the boot failure?
(Choose two.)

- A. Connect to the NX-OS shell via the CLI and run the show npv flogi-table command.
- B. SSH to the MDS 9124 and run the show flogi database command.
- C. Validate the boot target WWPN and LUN ID in the service profile.
- D. Validate the correct source WWPN in the service profile vHBA definition.
- E. Validate zoning for your WWPN on the Cisco MDS 9124.
- F. Validate that the boot order indicates the vHBA as the first device.
- G. Ensure LUN masking is correctly configured on the storage controller.

Answer: AC

Explanation:

<https://supportforums.cisco.com/t5/unified-computing-system/ask-the-expert-cisco-ucs-troubleshooting-boot-from-san-with-fc/td-p/2485137>

QUESTION 25

A customer calls in a trouble ticket complaining of unacceptable read I/O latency on a Cisco UCS C210 M2 server with an LSI MegaRAID 9260-8i with an 8-disk RAID-10 virtual disk. As you validate the RAID controller configuration, which of these configured items impacts read performance at the controller level?

- A. all disks are 146GB 6 Gb SAS 15K RPM SFF
- B. read ahead cache is enabled
- C. BGI rate = 0
- D. strip size = 256k
- E. no hot spare

Answer: D

QUESTION 26

You are troubleshooting an FCoE SAN boot issue on a Cisco UCS C240 M3 server with a VIC 1225. Which two of these represent the correct way to bind VSAN 11 to interface vfc5 attached to interface Ethernet 1/5? (Choose two.)

- A. 5548UP(config)# int vfc 5
5548UP(config-if)# bind interface Ethernet1/5 vsan 11
- B. 5548UP(config)# vsan database
5548UP(config-vsang-db)# vsan 11 interface vfc5
- C. 5548UP(config)# interface Ethernet1/5
5548UP(config-if)# bind vsan 11
- D. 5548UP(config)# vsan database
5548UP(config-vsang-db)# bind interface vfc5 vsan 11
- E. 5548UP(config)# vsan database
5548UP(config-vsang-db)# interface vfc5 vsan 11
- F. 5548UP(config)# vsan database
5548UP(config-vsang-db)# interface Ethernet1/5 vsan 11

Answer: AB

QUESTION 27

You are troubleshooting an FCoE boot issue on a Cisco UCS C220 M3 server with a VIC 1225 CNA. Which two pieces of information can you directly infer from the output of the show zone active command below? (Choose two.)

```
zone name Server_1-to-Storage vsan 11
pwwn 50:06:01:60:3b:a0:08:9f [Storage]
* fcid 0x3b000b [pwwn 20:00:00:25:b5:04:0a:02] [C22_Server]
```

- A. The storage controller is not logged into the fabric.
- B. The server is not logged into the fabric.
- C. Only the storage controller is logged into the fabric.
- D. Only the server is logged into the fabric.
- E. The initiator and target cannot communicate because they are on the wrong VSAN.
- F. The WWPN of the storage controller is mistyped.
- G. The initiator and target cannot communicate because the zone name does not match the server name (C22_Server).

Answer: AD

QUESTION 28

Which statement is true with respect to resetting a forgotten Cisco IMC admin password on a Cisco UCS C-Series rack-mount server?

- A. Download the Cisco IMC password reset utility ISO file from Cisco.com and boot from virtual media. The server will boot the Linux Live CD and reset the password to 'password'.
- B. Download the Cisco IMC password reset EFI plugin file from Cisco.com to a USB flash drive and boot to the EFI shell. The startup.nsh file will auto-load and reset the password to 'password'.
- C. Shut down the server and remove all power supplies for 3 minutes to allow the password capacitor to

- discharge. Use the default password 'password' to log back in.
- D. Shut down the server and remove all power cords. Open the case and short the jumper specified in the model-specific Cisco UCS C-Series Server Installation and Service Guide.

Answer: D

QUESTION 29

Which four tasks can be performed via Cisco IMC remote access to a Cisco UCS system?
(Choose four.)

- A. power cycle the server
- B. deploy an operating system
- C. toggle the locator LED
- D. configure the boot order
- E. view properties and sensors
- F. configure the hypervisor
- G. enable Cisco UCS Manager

Answer: ACDE

QUESTION 30

Which remote access protocol is used by default to obtain CLI access to a Cisco UCS C-Series standalone server?

- A. Telnet
- B. SSH
- C. HTTP
- D. SSL
- E. SOCKS

Answer: B

QUESTION 31

Which actions on a Cisco UCS Server can be performed under the Cisco IMC utilities? (Choose Four.)

- A. export tech support information to a remote host
- B. download a tech support file locally
- C. reboot the Cisco IMC
- D. recover a corrupt BIOS
- E. install firmware updates

Answer: ABCD

QUESTION 32

During the installation of Windows 2008 64-bit operating system on a Cisco UCS server, the RAID controller is not found. What is the cause of the problem?

- A. The Cisco IMC firmware needs to be updated.

- B. The LSI option ROM needs to be configured by pressing Ctrl-H during post.
- C. The LSI drivers are not bundled and need to be loaded by clicking the Load Driver option to point to the correct drivers.
- D. Windows 2008 64-bit operating system is not supported on Cisco UCS servers.

Answer: C

QUESTION 33

A local storage installation of ESX on a Cisco UCS C-Series server has failed due to local storage issues. What is the cause of the problem?

- A. LSI drivers are not bundled with ESX.
- B. The hard drive has a 1-TB partition size.
- C. The server only has an onboard controller, while ESX requires an LSI RAID controller card.
- D. ESX is not supported on Cisco UCS C-series servers.

Answer: C

QUESTION 34

A customer is trying to boot an operating system installed on a Cisco UCS B-Series blade server after a RAID1 cluster migration. The RAID LUN remains in inactive state during and after the service profile association and the server does not boot. What is the cause of this problem?

- A. RAID1 is not supported in cluster migration mode on a Cisco UCS B-Series blade server.
- B. The local disk configuration policy in the service profile on the server is configured with Any Configuration mode rather than RAID1.
- C. The server needs to be booted via SAN in cluster migration to support RAID1.
- D. The Cisco UCS B-Series blade server has older firmware that needs to be updated first.

Answer: B

QUESTION 35

A customer would like to create an Ethernet traffic monitoring session on a Cisco UCS server to troubleshoot network connectivity. The customer has entered the following commands via CLI:

```
UCS-A# scope eth-traffic-mon
UCS-A /eth-traffic-mon # scope fabric a
UCS-A /eth-traffic-mon/fabric # create eth-mon-session EthMonitor33
UCS-A /eth-traffic-mon/fabric/eth-mon-session* # create dest-interface
2 12
UCS-A /eth-traffic-mon/fabric/eth-mon-session/dest-interface* # set
speed 20gbps
UCS-A /eth-traffic-mon/fabric/eth-mon-session/dest-interface* # commit-
buffer
UCS-A /eth-traffic-mon/fabric/eth-mon-session/dest-interface #
```

Which outcome will this command sequence produce?

- A. It will create an Ethernet traffic monitoring session to copy and forward traffic to the destination port at slot 2, port 12, will set the admin speed to 20 Gb/s, and will commit the transaction.
- B. It will create an Ethernet traffic monitoring session to copy and forward traffic to the destination port

- at slot 2, port 33, will set the admin speed to 20 Gb/s, and will commit the transaction.
- C. It will create an Ethernet traffic monitoring session to copy and forward traffic to the destination port at slot 33, port 12, will set the admin speed to 20 Gb/s, and will commit the transaction.
 - D. It will create an Ethernet traffic monitoring session to copy and forward traffic to the destination port at slot 2, port 12, will set the admin speed to 10 Gb/s, and will commit the transaction.

Answer: A

QUESTION 36

A customer is configuring VSANs in a Cisco UCS domain. After configuring the VSANs 3840, 3841, and 3842 in FC end-host mode, the customer sees that these VSANs are not operational and that Cisco UCS Manager is raising faults. What is the cause of this problem?

- A. VSANs 3840, 3841, and 3842 should be in the allowed list on the trunk to clear the fault.
- B. VSANs 3840 to 4079 cannot be used in Fibre Channel end-host mode in a Cisco UCS domain.
- C. The fabric interconnect needs to be configured in switching mode and the VSANs need to be allowed on the trunk.
- D. Use the UCS CLI to clear the fault on the VSAN trunk to forward the VSANs with faults.

Answer: B

QUESTION 37

What is the correct sequence to export tech support data from the Cisco IMC GUI interface?

- A. Admin tab > Utilities > Export Technical Support to TFTP
- B. Utilities tab > Utilities > Export Technical Support to TFTP
- C. Server tab > Utilities > Export Technical Support to TFTP
- D. Communications tab > Utilities > Export Technical Support to TFTP
- E. Support tab > Utilities > Export Technical Support to TFTP
- F. Help tab > Utilities > Export Technical Support to TFTP

Answer: A

QUESTION 38

You are attempting to install Microsoft Server 2008 R2 on a Fibre Channel LUN, but the installer does not see the LUN. You have used F6 to load the appropriate SCSI driver. What should your first troubleshooting step be?

- A. Email the SAN administrator to validate that your LUN is defined.
- B. Check the configuration of the vHBA in the service profile.
- C. Validate that the boot order is correct.
- D. Validate zoning on the Fibre Channel switch.
- E. Validate that the Fibre Channel uplink from the fabric interconnect is up.

Answer: B

QUESTION 39

A customer calls in a trouble ticket and explains that after a power failure, the UPS was discovered to be defective and the Cisco UCS C210 M2 server running Windows 2008 R2 went

down without proper shutdown. After restarting the server, you discover the RAID 5 array rebuilding parity. Which write-cache settings on the LSI MegaRAID 9260-4i controller explain this symptom?

- A. write back
- B. write through
- C. write back with BBU
- D. no write cache
- E. no hot spare

Answer: A

QUESTION 40

How long are the LED states saved after a blade is removed from a Cisco UCS chassis?

- A. 1 minute
- B. 5 minutes
- C. 10 minutes
- D. 30 minutes
- E. 60 minutes

Answer: C

QUESTION 41

How does the FSM react after an error or timeout at a stage?

- A. stops
- B. retries until successful
- C. continues
- D. retries that stage at scheduled intervals
- E. raises faults and continues

Answer: D

QUESTION 42

On a Cisco UCS B-Series data center environment; how many default roles are there when utilizing RBAC for security restriction?

- A. 1
- B. 5
- C. 10
- D. 15
- E. 20

Answer: C

QUESTION 43

While updating firmware in a Cisco UCS environment, what will the Cisco UCS Manager do?

- A. show you all versions available on Cisco.com
- B. show you all versions downloaded to the Cisco UCS Manager
- C. show you only versions that are supported in your environment
- D. show you only versions that you selected to show
- E. show you old and new versions from your download

Answer: C

QUESTION 44

What is the maximum number of boot targets for an FCoE vHBA on a Cisco UCS C-Series server?

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

Answer: D

QUESTION 45

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

QUESTION 46

Refer to the exhibit. Which mistake did the UCS administrator make when trying to access the GUI?

Login

User Name: cisco\wizcog

Password: [REDACTED]

Domain: F340-31-16-UCS-2 (Native)

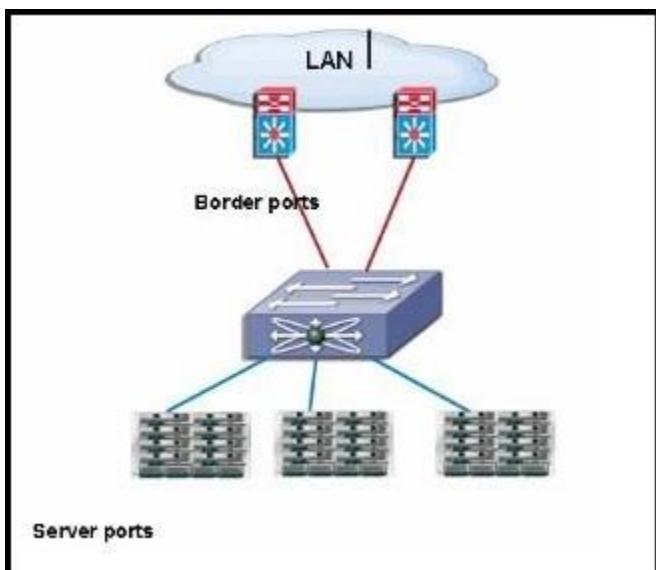
>Login Error:
Failed login info: UCSM is not available on secondary node

- A. specified the incorrect login domain
- B. did not use the VIP
- C. tried to login before the GUI had fully booted up
- D. password is incorrect
- E. attempted to login to the subordinate cluster peer

Answer: E

QUESTION 47

Refer to the exhibit. In a Cisco UCS environment, which switch mode does the exhibit portray?

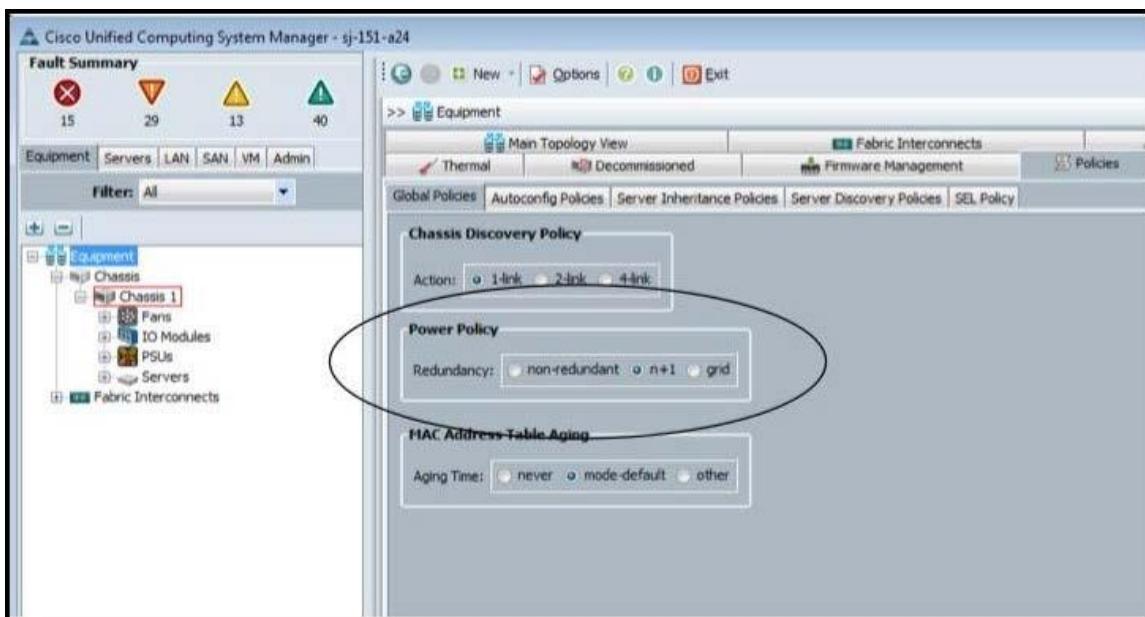


- A. end host mode
- B. switching mode
- C. access mode
- D. core mode

Answer: A

QUESTION 48

Refer to the exhibit. Which type of power policy is shown when referring to a Cisco UCS environment?



- A. chassis
- B. blade server
- C. fabric interconnect
- D. global
- E. switch

Answer: D

Hotspot Question I

Instructions X

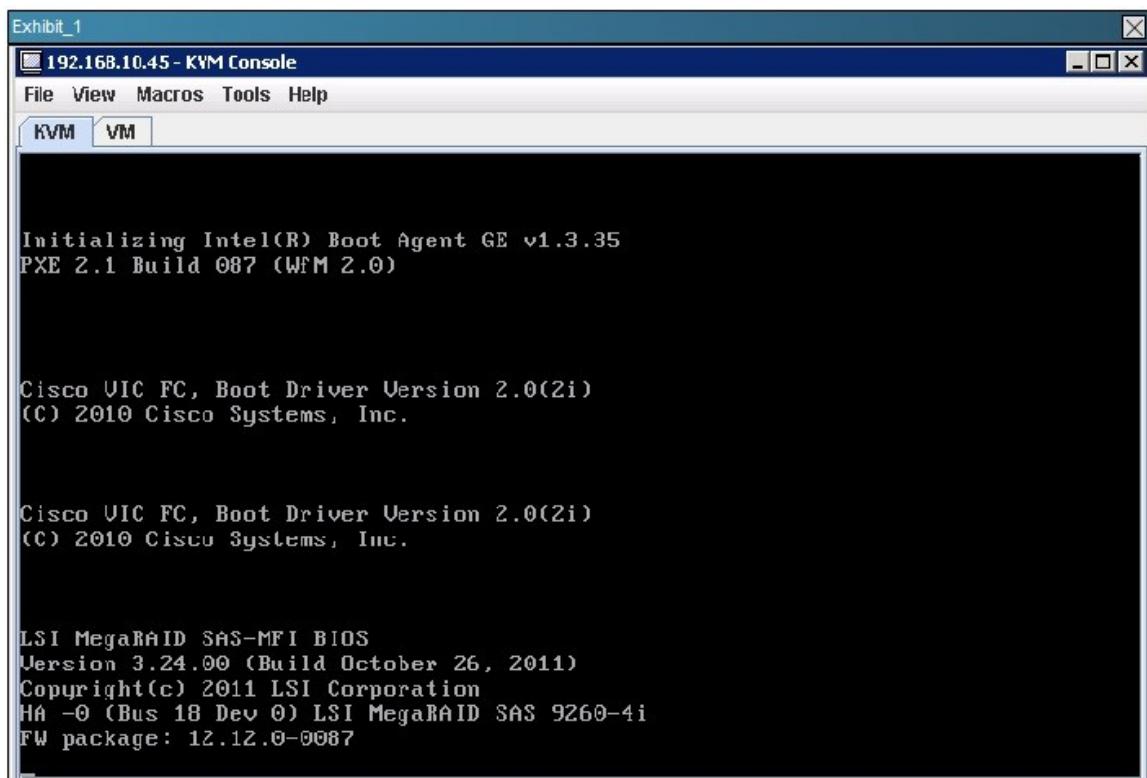
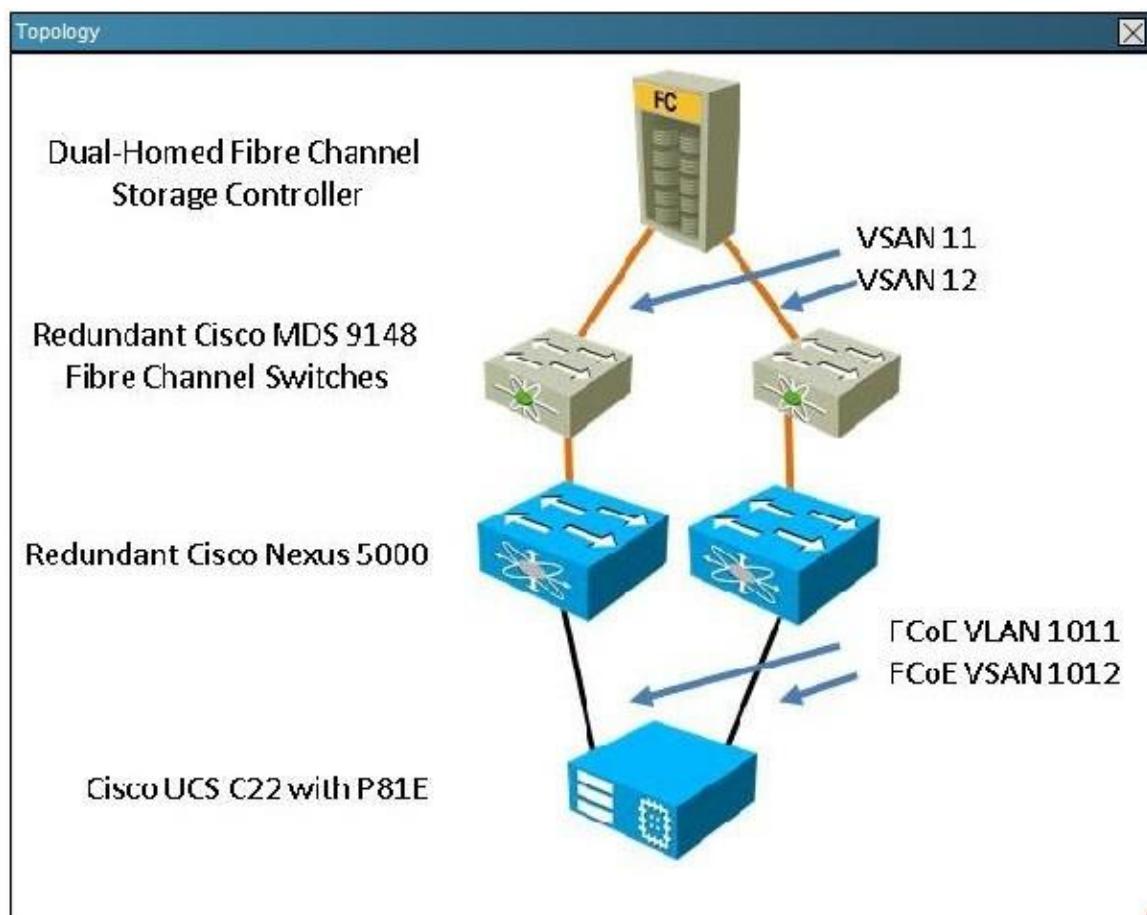
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
- Before beginning the questions, carefully read the information in the Scenario tab and familiarize yourself with the network topology.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are four multiple-choice questions with this task. Be sure to answer all four questions before clicking the Next button.
- Use the tabs at the bottom of the question to navigate between the Topology and question-specific Exhibits. Exhibit_1 maps to Question 1, et cetera.

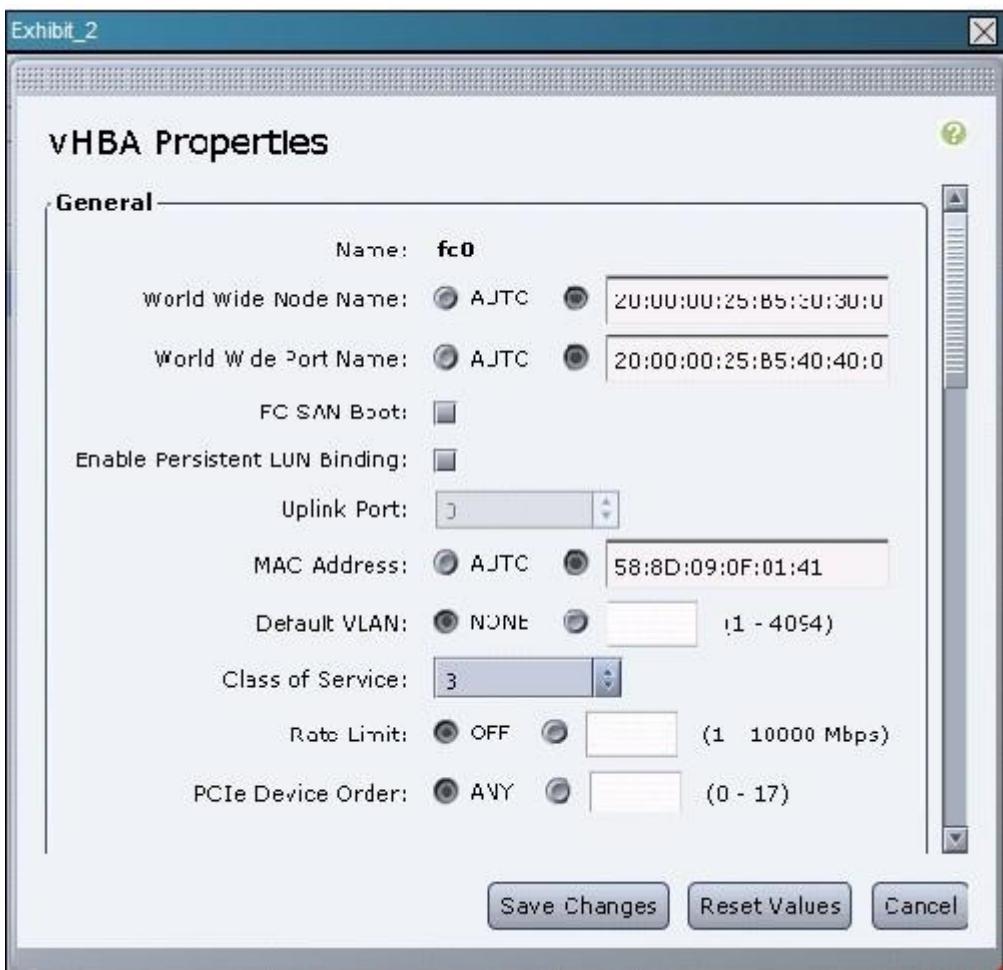
Scenario X

You have received a trouble ticket from a customer with multiple FCoE issues deploying a Cisco UCS C22 M2 server. The server includes a Cisco UCS P81E VIC that has redundant connections to Cisco Nexus 5548 switches.

When the customer loads the installer for VMware ESXi 5.0, it is unable to connect to its boot LUN over Fabric A or Fabric B. To begin, you will concentrate your efforts on achieving connectivity on Fabric A.

The customer is a government agency with an information security policy prohibiting remote access into its network. It has provided a topology, command output from the Nexus 5548, and screenshots from the Cisco Integrated Management Controller of symptoms for you to troubleshoot.





Exhibit_3

show flogi database.rf - WordPad

```

show flogi database.rf - WordPad
File Edit View Insert Format Help
Courier New I2 Westein
NSK1# show flogi database
-----
INTERFACE      VSAN      FCID          PORT NAME          NODE NAME
-----
vtcb          11      0x3b0004  20:00:00:25:b5:40:08  20:00:00:25:b5:30:30:05
                                         [p5-c-a-esx]
Total number of flogi = 1.

NSK1# show zone active vsan 11 | begin 'zone name p5-c-esx-dcuct'
zone name p5-c-esx-dcuct vsan 11
* fcid 0x3b0004 [pwnn 20:00:00:25:b5:40:08] [p5-c-a-esx]
  pwnn 50:06:01:60:3b:a0:08:ed [storage-controller]

For Help, press F1
    
```

Exhibit_4

Document - WordPad

File Edit View Insert Format Help

Courier New 12 Western

N5K1# show interface fc2/1
 fc2/1 is down (Isolation due to zone merge failure)

N5K1# configure
 Enter configuration commands, one per line. End with CNTL/Z.
 N5K1(config)# interface fc2/1
 N5K1(config-if)# shutdown
 N5K1(config-if)# no shutdown
 N5K1(config if)#

2012 Sep 28 14:43:04 N5K1 %% VDC-1 %% %ZONE-2-ZS_MERGE_FULL_DATABASE_MISMATCH: %%\$VSAN 11%% Zone merge full database mismatch on interface fc2/1
 2012 Sep 28 14:43:04 N5K1 %% VDC-1 %% %ZONE-2-ZS_MERGE_FAILED: %%\$VSAN 11%% Zone merge failure, isolating interface fc2/1 reason: Member mismatch:[reason:0]

For Help, press F1

QUESTION 49

Hotspot Question |

Questions

1 Review the screenshot that the customer emailed to you in the tab Exhibit_1.

2

3 You are gathering information to determine the causes of the inability to attach to the boot LUN over FCoE. During POST, two messages appear about the Cisco VIC FC, Boot Driver.

Which item is true regarding these messages? (Choose 1)

They indicate that the Fibre Channel boot driver has failed during POST.

They indicate that the Fibre Channel Boot Driver has logged into the Fabric A and Fabric B switches.

They indicate that the Fibre Channel Boot Driver has loaded and there is an entry in the FCNS databases of the switches for Fabric A and Fabric B .

They indicate that the Fibre Channel Boot Driver has loaded and failed to reach the storage controller on either Fabric A and Fabric B switches.

Answer:

Questions

1 Review the screenshot that the customer emailed to you in the tab Exhibit_1.

2

3 You are gathering information to determine the causes of the inability to attach to the boot LUN over FCoE. During POST, two messages appear about the Cisco VIC FC, Boot Driver.

Which item is true regarding these messages? (Choose 1)

They indicate that the Fibre Channel boot driver has failed during POST.

They indicate that the Fibre Channel Boot Driver has logged into the Fabric A and Fabric B switches.

They indicate that the Fibre Channel Boot Driver has loaded and there is an entry in the FCNS databases of the switches for Fabric A and Fabric B .

They indicate that the Fibre Channel Boot Driver has loaded and failed to reach the storage controller on either Fabric A and Fabric B switches.

QUESTION 50

Hotspot Question I

Questions

1 Review the screenshot the customer emailed to you in the tab Exhibit_2.

2

3 You are viewing the vHBA definition for interface fc0 connected to Fabric A. Which two items are not configured correctly? (Choose two.)

The WWPN should always begin with 50 in the first byte to signify it is an FCoE initiator.

According to T11 standard FC-BB-5, the first 4 bytes of an FCoE WWNN and WWPN must be unique from each other.

The FC SAN Boot checkbox must be selected.

Beginning with VMware ESXi 5.0, the Enable Persistent LUN Binding option must be checked.

The default VLAN should be set as the FCoE VLAN.

FCoE boot interfaces must be set to PCIe Device Order 0.

Answer:

Questions



- 1 Review the screenshot the customer emailed to you in the tab Exhibit_2.
- 2
- 3 You are viewing the vHBA definition for interface fc0 connected to Fabric A. Which two items are not configured correctly? (Choose two.)
- 4
- The WWPN should always begin with 50 in the first byte to signify it is an FCoE initiator.
- According to T11 standard FC-BB-5, the first 4 bytes of an FCoE WNNN and WWPN must be unique from each other.
- The FC SAN Boot checkbox must be selected.
- Beginning with VMware ESXi 5.0, the Enable Persistent LUN Binding option must be checked.
- The default VLAN should be set as the FCoE VLAN.
- FCoE boot interfaces must be set to PCIe Device Order 0.

QUESTION 51

Hotspot Question I

Questions

- 1 Review the screenshot that the customer emailed to you in the tab Exhibit_3.
- 2
- 3 Based on the command output that is supplied, which two selections are true? (Choose two.)
- 4
- The host p5-c-a-esx is currently logged into the switch fabric.
- The host Storage-Controller is zoned correctly.
- The host Storage-Controller is not reachable.
- The host Storage-Controller is not zoned correctly.
- The WWNN for host p5-c-a-esx is correctly zoned with the host Storage-Controller.

Answer:

Questions

- 1 Review the screenshot that the customer emailed to you in the tab Exhibit_3.
- 2
- 3 Based on the command output that is supplied, which two selections are true? (Choose two.)
- 4
- The host p5-c-a-esx is currently logged into the switch fabric.
- The host Storage-Controller is zoned correctly.
- The host Storage-Controller is not reachable.
- The host Storage-Controller is not zoned correctly.
- The WWNN for host p5-c-a-esx is correctly zoned with the host Storage-Controller.

QUESTION 52

Hotspot Question I

Questions

- 1 Per your request, the customer has sent you the output of the **show interface fc2/1** command for the Fibre Channel interface connecting the Cisco Nexus 5548 to the Cisco MDS 9124 Fibre Channel switch.
- 2 The interface is isolated (down), so you ask the customer to perform a **shutdown** and **no shutdown** on interface fc2/1. After reviewing the error message in **Exhibit_4**, which action will resolve the issue?
- Issue these commands on the Cisco Nexus 5548:
- ```
N5K1(config)# zoneset database
N5K1(config-zone-db)# vsan 11
N5K1(config-zone-vsang-db)# import all
```
- Issue this command in the Cisco Nexus 5548:
- ```
N5K1# zoneset import interface fc2/1 vsan 11
```
- Issue these commands in the Cisco Nexus 5548:
- ```
N5K1#(config) zone database
N5K1#(config-zone-db) import zoneset vsan 11 all
```
- Issue these commands on the Cisco Nexus 5548:
- ```
N5K1#(config) interface fc2/1  
N5K1#(config-if) zoneset import vsan 11
```
- Issue these commands on the Cisco Nexus 5548:
- ```
N5K1(config)# vsan database
N5K1(config-vsang-db)# vsan 11
N5K1(config-vsang-db)# import zoneset interface fc2/1
```

**Answer:**

## Questions

- 1 Per your request, the customer has sent you the output of the **show interface fc2/1** command for the Fibre Channel interface connecting the Cisco Nexus 5548 to the Cisco MDS 9124 Fibre Channel switch.

- 2 The interface is isolated (down), so you ask the customer to perform a **shutdown** and **no shutdown** on interface fc2/1. After reviewing the error message in **Exhibit\_4**, which action will resolve the issue?

- Issue these commands on the Cisco Nexus 5548:

```
N5K1(config)# zoneset database
N5K1(config-zone-db)# vsan 11
N5K1(config-zone-vsang-db)# import all
```

- Issue this command in the Cisco Nexus 5548:

```
N5K1# zoneset import interface fc2/1 vsan 11
```

- Issue these commands in the Cisco Nexus 5548:

```
N5K1#(config) zone database
N5K1#(config-zone-db) import zoneset vsan 11 all
```

- Issue these commands on the Cisco Nexus 5548:

```
N5K1#(config) interface fc2/1
N5K1#(config-if) zoneset import vsan 11
```

- Issue these commands on the Cisco Nexus 5548:

```
N5K1(config)# vsan database
N5K1(config-vsang-db)# vsan 11
N5K1(config-vsang-db)# import zoneset interface fc2/1
```

## Hotspot Question II

## Instructions

- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
- Before beginning the questions, carefully read the information in the Scenario tab and familiarize yourself with the network topology.
- 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.
- Use the tabs at the bottom of the question to navigate between the Topology and question-specific Exhibits. Exhibit\_1 maps to Question 1, and so on.

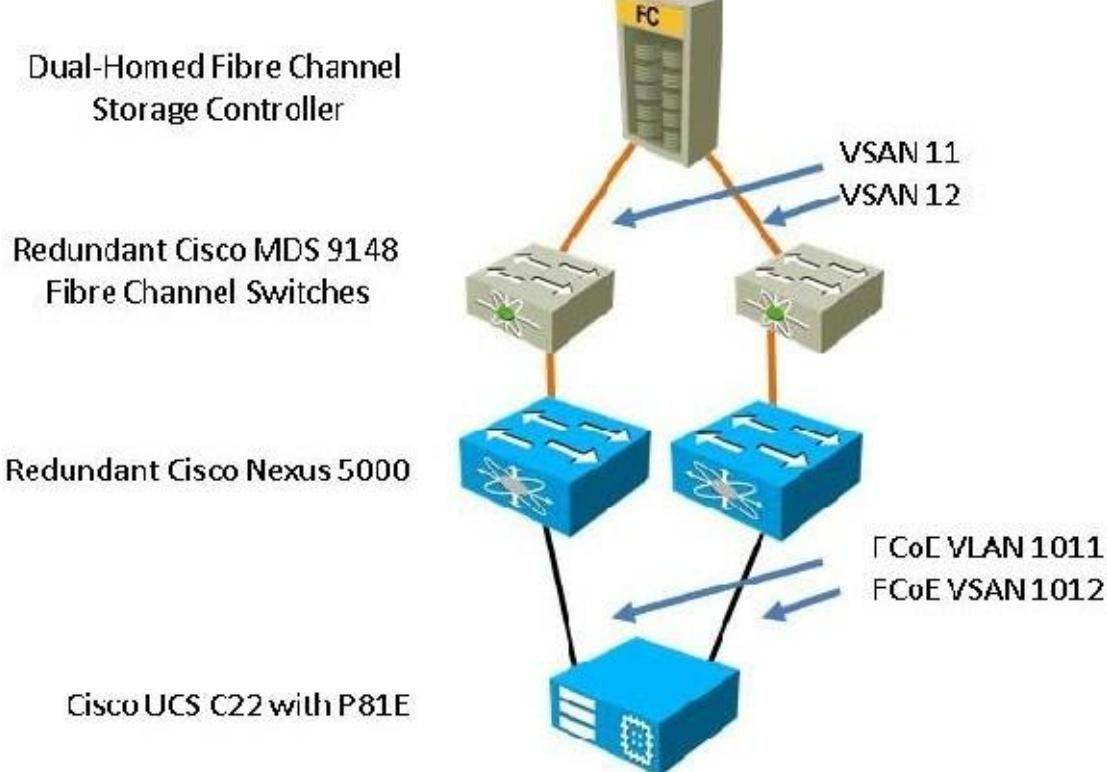
## Scenario

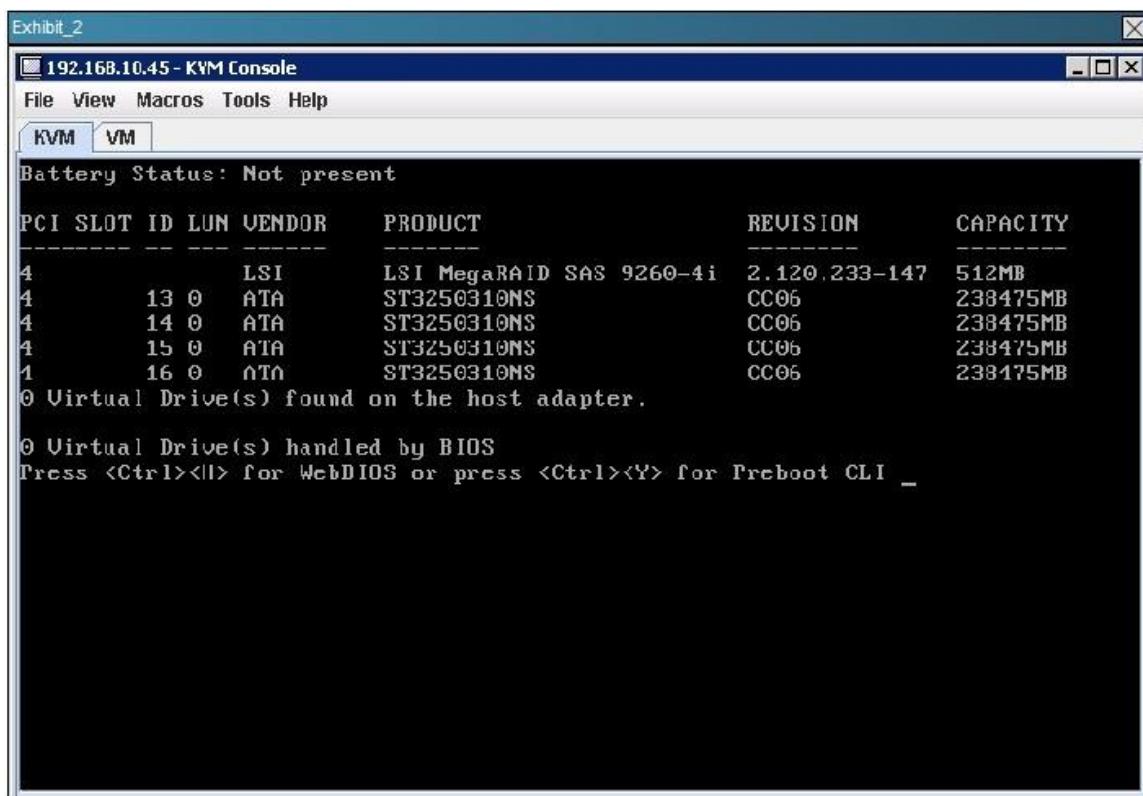
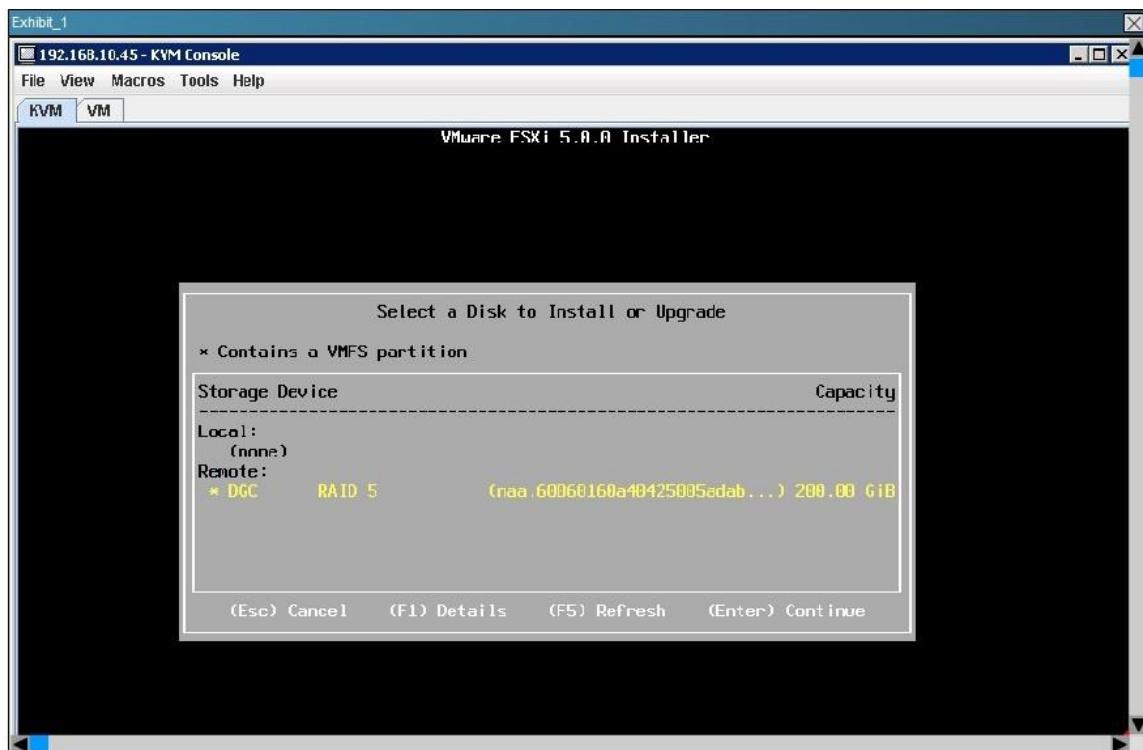
Your customer has purchased a Cisco UCS C22 M2 server equipped with an LSI MegaRAID 9260-4i, four SAS hard drives, and a Cisco UCS P81E VIC.

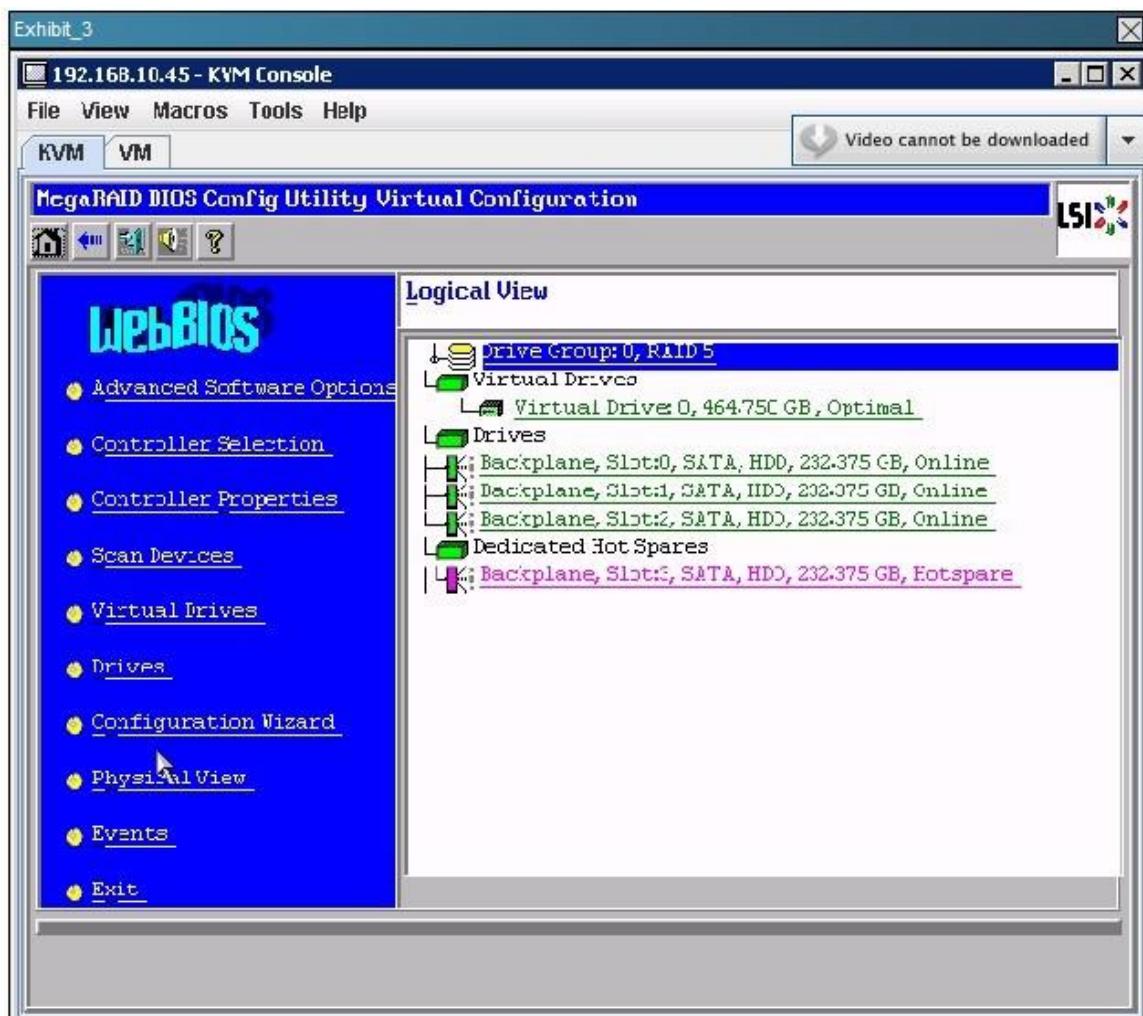
Because Fibre Channel storage is at a premium at this data center, the customer decides to boot VMware ESXi 5.0 from local storage and attach to the VMs on a VMFS LUN on a Fibre Channel storage controller with a large RAID array.

The customer is encountering issues connecting to local storage, and you are called on-site to get the server into production.

## Topology







Exhibit\_4

192.168.10.45 - KVM Console

File View Macros Tools Help

KVM VM

Battery Status: Not present

| PCI SLOT | ID | LUN | Vendor        | Product                  | Revision      | Capacity |
|----------|----|-----|---------------|--------------------------|---------------|----------|
| 4        |    |     | LSI           | LSI MegaRAID SAS 9260-4i | 2.120.233-147 | 512MB    |
| 4        | 13 | 0   | ATA           | ST3250310NS              | CC06          | 238475MB |
| 4        | 14 | 0   | ATA           | ST3250310NS              | CC06          | 238475MB |
| 4        | 15 | 0   | ATA           | ST3250310NS              | CC06          | 238475MB |
| 4        | 16 | 0   | ATA           | ST3250310NS              | CC06          | 238475MB |
| 4        | 0  | LSI | Virtual Drive |                          | RAIDS         | 475904MB |

1 Virtual Drive(s) found on the host adapter.

1 Virtual Drive(s) handled by BIOS

Press <Ctrl><H> for WebBIOS or press <Ctrl><Y> for Preboot CLI

### QUESTION 53

Hotspot Question II

Questions

1 You connect to the Cisco IMC and map virtual media to the VMware ESXi ISO file and successfully boot the installer.  
 2  
 3  
 4 However, refer to Exhibit\_1 and examine the installer screen. When the installer scans the bus for storage, only the 200-GB VMFS volume on the Fibre Channel LUN is present. No local storage can be accessed by the ESXi installer on the LSI MegaRAID 9260-4i.

Which of these is the most likely explanation for this issue?

The LSI 9260-4i driver needs to be slip-streamed into the installer ISO.  
 The LSI 9260-4i is not on the VMware Hardware Compatibility Guide.  
 The LSI 9260-4i is defective.  
 The LSI 9260-4i is misconfigured.

**Answer:**

**Questions**

**1** You connect to the Cisco IMC and map virtual media to the VMware ESXi ISO file and successfully boot the installer.

**2**

**3**

**4** However, refer to **Exhibit\_1** and examine the installer screen. When the installer scans the bus for storage, only the 200-GB VMFS volume on the Fibre Channel LUN is present. No local storage can be accessed by the ESXi installer on the LSI MegaRAID 9260-4i.

Which of these is the most likely explanation for this issue?

The LSI 9260-4i driver needs to be slip-streamed into the installer ISO.

The LSI 9260-4i is not on the VMware Hardware Compatibility Guide.

The LSI 9260-4i is defective.

The LSI 9260-4i is misconfigured.

**QUESTION 54**

## Hotspot Question II

**Questions**

**1** You have rebooted the server several times and loaded the VMware ESXi installer, but there is still no local boot device.

**2**

**3**

**4** Refer to **Exhibit\_2** and examine the message that occurs each time during POST.

How is the controller currently configured?

With four disks installed, the LSI MegaRAID 9260i defaults to RAID 6 for maximum fault tolerance.

With four disks installed, the LSI MegaRAID 9260i defaults to RAID 5 for fault tolerance and higher capacity.

With four disks installed, the LSI MegaRAID 9260i defaults to RAID 10 for fault tolerance and maximum I/O performance.

With four disks installed, the LSI MegaRAID 9260i defaults to no fault-tolerant configuration.

**Answer:**

**Questions** X

1 You have rebooted the server several times and loaded the VMware ESXi installer, but there is still no local boot device.  
2  
3 Refer to Exhibit\_2 and examine the message that occurs each time during POST.  
4

How is the controller currently configured?

With four disks installed, the LSI MegaRAID 9260i defaults to RAID 6 for maximum fault tolerance.

With four disks installed, the LSI MegaRAID 9260i defaults to RAID 5 for fault tolerance and higher capacity.

With four disks installed, the LSI MegaRAID 9260i defaults to RAID 10 for fault tolerance and maximum I/O performance.

With four disks installed, the LSI MegaRAID 9260i defaults to no fault-tolerant configuration.

### QUESTION 55

Hotspot Question II

**Questions** X

1 Refer to Exhibit\_3. Given this configuration with a dedicated spare, what is the maximum number of disks that can simultaneously fail without losing data?  
2  
3  0  
4  1  
 2  
 3

**Answer:**

**Questions** X

1 Refer to Exhibit\_3. Given this configuration with a dedicated spare, what is the maximum number of disks that can simultaneously fail without losing data?  
2  
3  0  
4  1  
 2  
 3

### QUESTION 56

Hotspot Question II

Questions

1 Refer to Exhibit\_4. Given the information on this message you see during POST, what write cache policy would you recommend to your customer?

2

3  write-through

4  no write cache

write-back

write-forward

**Answer:**

Questions

1 Refer to Exhibit\_4. Given the information on this message you see during POST, what write cache policy would you recommend to your customer?

2

3  write-through

4  no write cache

write-back

write-forward

#### QUESTION 57

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

#### QUESTION 58

A customer is troubleshooting degraded DIMM errors on a Cisco UCS blade server and would like to reset the BMC. What is the correct command sequence to reset the BMC?

- A. UCS1-A# server x/y  
UCS1-A /chassis/server # scope bmc  
UCS1-A /chassis/server/bmc # reset  
UCS1-A /chassis/server/bmc\* # commit-buffer
- B. UCS1-A# server scope  
UCS1-A /chassis/server # scope bmc  
UCS1-A /chassis/server/bmc # reset  
UCS1-A /chassis/server/bmc\* # commit-buffer
- C. UCS1-A# scope server x/y  
UCS1-A /chassis/server # scope bmc  
UCS1-A /chassis/server/bmc # reset  
UCS1-A /chassis/server/bmc\* # commit-buffer
- D. UCS1-A# scope server x/y  
UCS1-A /chassis/server # scope bmc

```
UCS1-A /chassis/server/bmc* # commit-buffer
```

**Answer:** C

**QUESTION 59**

Which commands can you enter to see if a component in the Cisco UCS domain generated a core file?

- A. 6100-A# scope monitoring  
6100-A /monitoring # scope sysdebug  
6100-A /monitoring/sysdebug # show cores  
Core Files:  
Name Fabric ID  
-----
- B. 6100-A# scope sysdebug  
6100-A /sysdebug # scope monitoring  
6100-A /sysdebug/monitoring # show cores  
Core Files:  
Name Fabric ID  
-----
- C. 6100-A# scope system  
6100-A /system # scope monitoring  
6100-A /system/monitoring # show cores  
Core Files:  
Name Fabric ID  
-----
- D. 6100-A# scope cores  
6100-A /cores # show cores  
Core Files:  
Name Fabric ID  
-----
- E. 6100-A# scope logging  
6100-A /logging # scope monitoring  
6100-A /logging/monitoring # show cores  
Core Files:  
Name Fabric ID  
-----

**Answer:** A

**QUESTION 60**

Which four tech support files can you create with the Cisco UCS Manager that you can submit to Cisco TAC for support? (Choose four.)

- A. UCSM
- B. disk LUNs
- C. fabric extender
- D. memory
- E. rack server
- F. chassis
- G. server cache

**Answer:** ACEF

**QUESTION 61**

Which protocols can be used to send to Cisco TAC (Technical Assistance Center) the show tech-support command output information about the Cisco UCS domain? (Choose two.)

- A. TFTP
- B. FTP
- C. SCP
- D. Telnet
- E. SecureTelnet

**Answer:** BC

**QUESTION 62**

The Cisco UCS Manager displays FSM information for which four of these? (Choose four.)

- A. which FSM task is being executed
- B. the current state of an FSM task
- C. the status of the previous FSM task
- D. any error codes returned while processing
- E. all completed FSM tasks
- F. multiple FSM tasks that completed over multiple tries
- G. multiple FSM tasks that failed

**Answer:** ABCD

**QUESTION 63**

How will the Cisco UCS Manager react when all of the FSM tasks fail?

- A. retries for 60 seconds
- B. raises faults and alarms
- C. restarts from the previous known good task
- D. sends an NOC SNMP trap email

**Answer:** B

**QUESTION 64**

What should you do when you see faults during the initial setup and discovery process?

- A. Take note and address the faults.
- B. You can safely ignore these faults.
- C. Log them and try to address the first one.
- D. Reboot until the error messages go away.

**Answer:** B

**QUESTION 65**

When using the Cisco UCS Manager GUI to troubleshoot a suspected bad memory, which logs contain data that are related to the faulty DIMM?

- A. the System Event log and Faults log that are located under the Admin tab
- B. the Events log and Faults log that are located under the Admin tab
- C. the System Event log that is located under the Server tab in the Navigation panel and the Faults log that is located under the Admin tab
- D. the System Event log that is located under the Equipment tab and the Faults log that is located under the Admin tab

**Answer:** D

**QUESTION 66**

Which three are valid tech support bundles to collect in the local management shell? (Choose three.)

- A. UCSM
- B. UCSM-MGMT
- C. Port-Channel
- D. Adapter
- E. SAN
- F. FEX

**Answer:** ABF

**QUESTION 67**

The Core File Exporter automatically exports cores to a remote server as they are generated. Which protocol does it use for this action?

- A. FTP
- B. SCP
- C. SFTP
- D. TFTP

**Answer:** D

**QUESTION 68**

Which log file in Cisco UCS Manager contains information about which user took a specific action?

- A. user access log
- B. system change log
- C. audit log
- D. access control log

**Answer:** C

**QUESTION 69**

Which statement is true about system event logs?

- A. By default, they require manual clearing.
- B. They report operating system crashes and errors.
- C. They are also referred to as system error logs.
- D. They can only be accessed from Cisco UCS Manager.

**Answer:** A

**QUESTION 70**

Which two types of ports does end host mode switching have? (Choose two.)

- A. VSS
- B. border
- C. router
- D. server
- E. STP
- F. client

**Answer:** BD

**QUESTION 71**

In a Cisco UCS environment, what are the three power types in a power policy? (Choose three.)

- A. backup
- B. grid
- C. redund
- D. n-plus-1
- E. non-redund
- F. plus-1

**Answer:** BDE

**QUESTION 72**

When a service profile is disassociated from a server, what happens to the identity and connectivity information for the server?

- A. It is cleared and set to the default that was setup initially by the first configuration.
- B. It is maintained and can be reused.
- C. It is reset to factory defaults.
- D. It uses master service profile parameters.
- E. It takes parameters of other servers in the service profile.

**Answer:** C

**QUESTION 73**

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

**QUESTION 74**

Refer to the exhibit. Using RBAC for security in a Cisco UCS environment, what is seen in the exhibit?

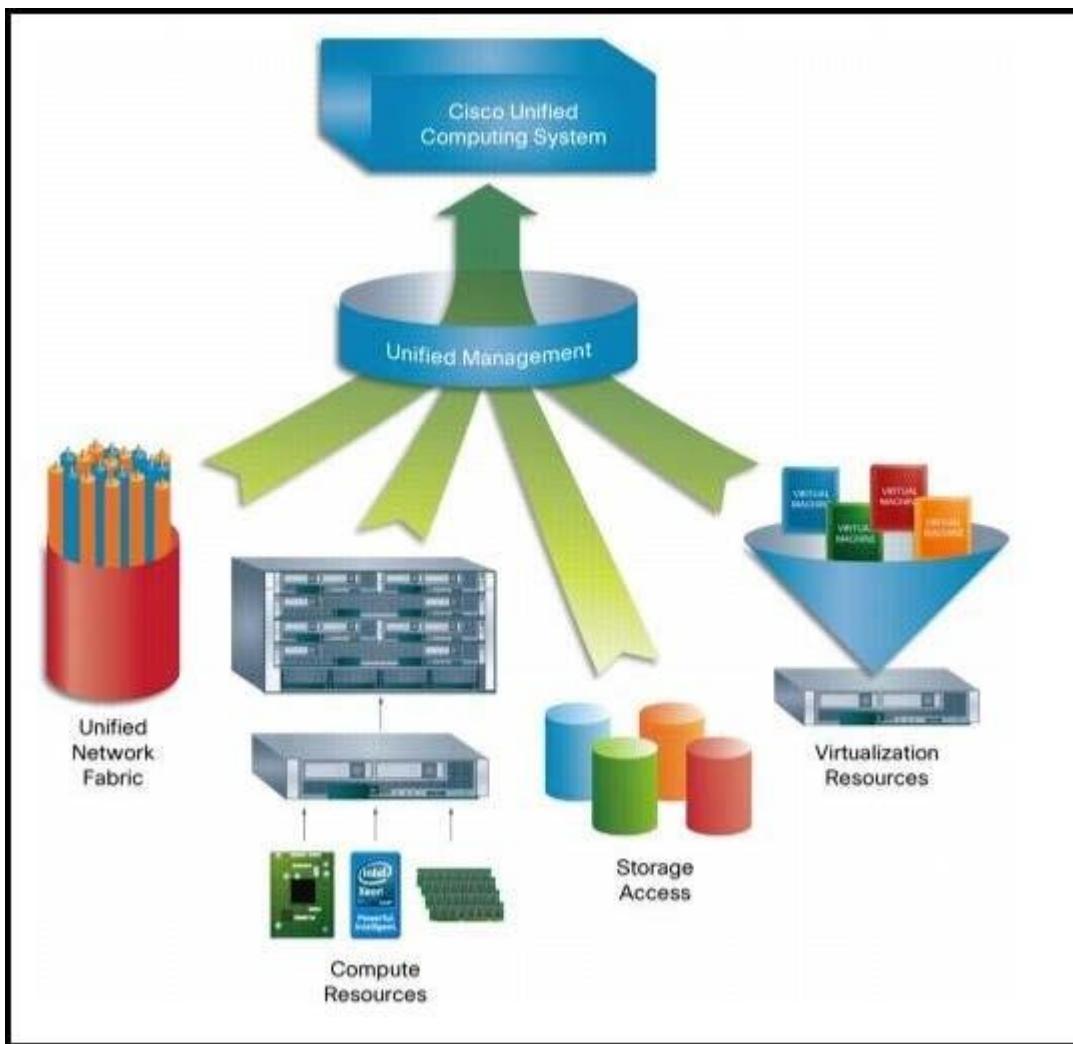


- A. custom role
- B. default role
- C. LDAP group map
- D. external service profile

**Answer:** B

**QUESTION 75**

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

**QUESTION 76**

In new Cisco UCS release 2.0 installations, what are the default VLAN IDs?

- A. Ethernet VLAN default ID is 4048, FCOE default VLAN ID 4048
- B. Ethernet VLAN default ID is 1, FCOE default VLAN ID is 3968
- C. Ethernet VLAN default ID is 1, FCOE default VLAN ID is 2

- D. Ethernet VLAN default ID is 2, FCOE default VLAN ID is 4047
- E. Ethernet VLAN default ID is 1, FCOE default VLAN ID is 4048

**Answer:** E

**QUESTION 77**

If a server is not associated with a service profile, the activated firmware remains pending. Which two steps should you take? (Choose two.)

- A. Manually reboot the server.
- B. Reset the server to a new profile.
- C. Reset the unassociated server to activate the firmware.
- D. Reinitialize the firmware process with Cisco UCS Manager.
- E. Download the firmware and start over.
- F. Shut down gracefully and start over.

**Answer:** AC

**QUESTION 78**

After migrating a server that is configured with dynamic vNICs, Cisco UCS Manager assigns new dynamic vNICs to the server. If you had been monitoring traffic on an original dynamic vNIC, what must you do when the server comes back up?"

- A. Reassign the dynamic vNIC back to the old configuration.
- B. Nothing; Cisco UCS Manager will take over.
- C. Reassign the service profile back to the master one.
- D. Remove and reconfigure the dynamic vNIC.
- E. Reassign the monitoring source.

**Answer:** E

**QUESTION 79**

Which two Cisco Nexus 2000-Series Fabric Extenders support connections to both Cisco Nexus 5000 Series Switches and Cisco Nexus 7000 Series Switches? (Choose two.)

- A. Cisco Nexus 2248TP
- B. Cisco Nexus 2248TP-E
- C. Cisco Nexus 2232PP
- D. Cisco Nexus 2232TM

**Answer:** AC

**QUESTION 80**

```
UCS-A# scope eth-uplink
UCS-A /eth-uplink # scope fabric a
UCS-A /eth-uplink/fabric # scope interface 2 3
UCS-A /eth-uplink/fabric/interface # create mon-src Monitor23
UCS-A /eth-uplink/fabric/interface/mon-src* # set direction receive
UCS-A /eth-uplink/fabric/interface/mon-src* # commit-buffer
```

What does the command scope interface 2 3 in the above CLI command sequence do on a Cisco UCS blade server?

- A. enters the interface command mode for the specified uplink port
- B. enters the interface command mode for the specified Fabric A
- C. enters the interface command mode for the specified Fabric B
- D. enters slot 3 port 2 specified uplink port

**Answer:** A

#### **QUESTION 81**

You discover that OSPF neighbors are stuck in Exstart and Exchange states.

What prevents the external routes from being propagated to the leaf switches to which endpoints are attached for a given tenant?

- A. The outside router is configured with an incorrect OSPF area ID.
- B. there is an MTU mismatch between the OSPF neighbors.
- C. The outside router is configured With an incorrect OSPF area type.
- D. The outside router is configured for MTU 9000.

**Answer:** B

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/ip/open-shortest-path-first-ospf/13684-12.html>

#### **QUESTION 82**

A customer is configuring SAN pin groups in a Cisco UCS domain.

The customer notices that pinning is not working and traffic from the vHBA is not passing over the Fibre Channel uplink port. Which of these must be done for pinning to work correctly?

- A. Include the SAN pin group in a vHBA policy and then include the vHBA policy in the service profile that is assigned to that server.
- B. Include the SAN policy in the Cisco UCS Manager to match with pin groups on the fabric interconnect.
- C. The customer must have Cisco UCS Manager version 2.0 or above.
- D. Fibre Channel switch mode needs to be configured first.

**Answer:** A

#### **QUESTION 83**

Refer to exhibit. A Cisco 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?

```
aci-sol-calo-ucsb-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
```

- 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 class.

**Answer:** C

#### QUESTION 84

Which two options are causes for failure of a Cisco C-Series server that is configured to boot from SAN? (Choose two.)

- A. The boot LUN ID is not 0.
- B. The iSCSI target is only available via one via one path through the network.
- C. C-Series does not support boot from SAN.
- D. The KVM dongle is attached to the front of the server with a USB stick installed.
- E. Under the FCoE properties on the vNIC adapter, the FCoE VLAN ID is set to 10.
- F. The boot table for fc0 has not been configured.

**Answer:** DF

#### QUESTION 85

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

**QUESTION 86**

A Cisco UCS admin is trying to integrate Cisco UCS Manager with Active Directory Authentication. After the configuration is done, the admin is still unable to log in using LDAP credentials. When running a debug on the Fabric Interconnect, this error is displayed:

```
ldap_build_roles_and_locales_from_attr: No attr for usr profile
```

Which step was missed in the configuration?

- A. The LDAP provider was not configured correctly.
- B. The proper RBAC role(s) were not assigned to the user.
- C. Cisco UCS Manager 2.1 is required for LDAP integration.
- D. The "Attribute" field in Cisco UCS was left blank.

**Answer:** B

**QUESTION 87**

Which three requirements are needed to configure a blade to boot successfully from Fibre Channel? (Choose three.)

- A. zoning
- B. LUN masking
- C. WWPN device alias
- D. boot from SAN policy
- E. SAN connectivity policy
- F. port assignment
- G. target WWPN needs to be set in the boot from SAN policy

**Answer:** ABD

**QUESTION 88**

Which description of a core file is true?

- A. It is generated by a system failure.
- B. It is generated by a process failure.
- C. It is generated by a component failure.
- D. It is generated by a hardware failure.

**Answer:** B

**QUESTION 89**

Which logs are used to troubleshoot hardware failure?

- A. system event log
- B. audit log

- C. accounting log
- D. gateway logs
- E. system log

**Answer:** A

**QUESTION 90**

A UCS Admin is trying to launch the KVM console but it is failing to launch. All IP Pools for mgmt are configured and the CIMC has an address in UCSM. They SSH to the fabric Interconnect and run an ethanalyzer while issuing a ping from their local PC to the KVM IP address. The ping is successful but they do not see the ICMP requests and replies displayed in the capture. Here is the filter they used:

```
FIA(nxos) # ethanalyzer local interface mgmt display-filter icmp limit-captured-frames 0
```

What could be the reason pings are not seen in the capture and the KVM is failing to load?

- A. Java settings are preventing the KVM from loading
- B. There is a duplicate IP address for that CIMC address
- C. The switch upstream from the FI has the wrong vlan configured
- D. The CIMC IP pool is in the same subnet as the Fabric Interconnects mgmt 0 interface

**Answer:** B

**QUESTION 91**

Where do you configure users so that they cannot access resources that belong to other organizations?

- A. roles
- B. domain separation
- C. locals
- D. VDCs

**Answer:** C

**QUESTION 92**

What is the correct procedure to change Ethernet switching modes?

- A. Navigate to the subordinate Fabric Interconnect in the GUI, choose "Set Ethernet Switching mode", wait for it to come back up, and repeat on the primary FI.
- B. Navigate to either Fabric Interconnect in the GUI, choose "Set Ethernet Switching mode", and wait while both FIs reboot simultaneously.
- C. Navigate to either Fabric Interconnect in the GUI and transparently update the mode to switching. Repeat on the other Fabric Interconnect.
- D. Simply start using the switching features. The Fabric Interconnect automatically reconfigures to use Ethernet Switching Mode.

**Answer:** B

**QUESTION 93**

Which power policy should be chosen to maximize the performance of a Cisco UCS system with four PSUs and eight blades?

- A. non-redundant
- B. N+1
- C. grid
- D. performance

**Answer:** C

**QUESTION 94**

Which option describes why the service profiles do not inherit changes from the template?

- A. The service profile is not compatible with the changes.
- B. The changes to the template have not been committed.
- C. It is an initial template.
- D. The service profile has disabled inheritance.

**Answer:** C

**QUESTION 95**

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

**QUESTION 96**

Which feature on the Cisco IMC GUI allows you to view the last boot post operation?

- A. Firmware Management tab
- B. Bootstrap Process Recording
- C. Crash Recording
- D. Trusted Platform Module

**Answer:** B

**QUESTION 97**

Which option is a valid file extension for a CIMC configuration file?

- A. .xml
- B. .json
- C. .txt
- D. .exe

E. .zip

**Answer:** A

**QUESTION 98**

Which three components are updated using the Host Upgrade Utility? (Choose three.)

- A. BIOS
- B. Network Adapter(s)
- C. Array Controller
- D. Cisco IMC
- E. LOM port
- F. UCSM
- G. Drive Firmware

**Answer:** ABD

**QUESTION 99**

Which option causes an operating system on a UCS device to consistently crash several minutes after booting?

- A. faulty power supply
- B. out-of-date network adapter firmware
- C. incompatible operating system driver
- D. incorrect boot order
- E. disabled trusted platform module

**Answer:** C

**QUESTION 100**

Which two statements about configuring a traffic monitoring session are true? (Choose two.)

- A. You can set a local VM as a traffic destination.
- B. You can have up to two active monitoring sessions simultaneously.
- C. An unlimited number of monitoring session can be stored.
- D. A newly created monitoring session is enabled by default.
- E. A destination port can also be a source port within the same session.
- F. A vHBA can be a source for either an Ethernet or Fibre Channel monitoring session, but not both.

**Answer:** BF

**QUESTION 101**

Refer to the exhibit. What does this adapter output indicate?

```

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 : 0x00000000000000000000 access failure
 - REPORT LUNs Query Response
 LUN ID : 0x00000000000000000000
 - Nameserver Query Response
 - WWPN : 50:0a:09:80:00:01:dc:fb

```

- 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

### QUESTION 102

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

### QUESTION 103

Refer to the exhibit. Which three statements are true based on the output of "show service-profile circuit server 1/3". (Choose three.)

| Service Profile: fcoe-boot |      |            |            |               |             |           |          |           |
|----------------------------|------|------------|------------|---------------|-------------|-----------|----------|-----------|
| Server: 1/3                |      |            |            |               |             |           |          |           |
| Fabric ID: A               |      |            |            |               |             |           |          |           |
| Path ID: 1                 |      |            |            |               |             |           |          |           |
| VIF                        | vNIC | Link State | Oper State | Prot State    | Prot Role   | Admin Pin | Oper Pin | Transport |
| 813                        | eth0 | Up         | Active     | No Protection | Unprotected | 0/0       | 0/1      | Ether     |
| Fabric ID: B               |      |            |            |               |             |           |          |           |
| Path ID: 1                 |      |            |            |               |             |           |          |           |
| VIF                        | vNIC | Link State | Oper State | Prot State    | Prot Role   | Admin Pin | Oper Pin | Transport |
| 814                        | eth1 | Up         | Active     | No Protection | Unprotected | 1/6       | 1/6      | Ether     |
| 816                        | fco  | Up         | Active     | No Protection | Unprotected | 0/0       | 0/0      | Fc        |
| 9008                       |      | Up         | Active     | No Protection | Unprotected | 0/0       | 0/0      | Ether     |

- A. vnic eth0 is pinned to module 0 interface 1.
- B. vnic eth1 is pinned to module 1 interface 6.
- C. vnic eth0 is pinned to port channel 1.

- D. vnic eth1 is pinned to port channel 6.
- E. A LAN pin group is configured on vnic eth0.
- F. A LAN pin group is configured on vnic eth1.

**Answer:** BCF

**QUESTION 104**

When you configure the settings for the core file exporter via UCS Manager, which field is required to configure a destination for the core files?

- A. Admin State
- B. Description
- C. Port
- D. Hostname
- E. Path

**Answer:** D

**QUESTION 105**

Which three statements explain why a Cisco UCS server cannot boot via SAN? (Choose three.)

- A. The correct VLAN must be configured.
- B. The correct WWPN must be specified in the service profile.
- C. The server must be able to ping the target.
- D. The correct boot order must be specified in the service profile.
- E. The boot LUN number must specify the appropriate operating system.

**Answer:** BDE

**QUESTION 106**

Which two areas should you investigate when experiencing problems with the UCS Manager KVM? (Choose two.)

- A. Java complications
- B. network complications
- C. server CPU type
- D. Fabric Interconnects hardware
- E. SSD complications

**Answer:** AB

**QUESTION 107**

Refer to the exhibit. A server has a service profile that is configured to boot over iSCSI. During boot, this message is displayed. What is the cause of this message?

```
EFI Shell version 2.31 [4.654]
Current running mode 1.1.2
Device mapping table
blk0 :Removable BlockDevice - Alias (null)
 PciRoot(0x0)/Pci(0x1,0x0)/Pci(0x0,0x0)/Ctrl(0x0)/Scsi(0x0,0x0)

Press ESC in 1 seconds to skip startup.nsh, any other key to continue.
Shell> -
```

- A. The local disk is not present.
- B. RAID 0 is not configured on the local disk.
- C. The remote disk is powered off.
- D. The server has not configured the pWWN properly in the boot policy.

**Answer:** C

#### **QUESTION 108**

Before using the UCS Manager to configure SAN and network connectivity in the service profile, which two components needs to be created? (Choose two.)

- A. vHBA
- B. global VSAN
- C. vNIC
- D. global VLAN

**Answer:** BD

#### **QUESTION 109**

While performing an upgrade to Cisco UCS Release 2.2, the traffic in several VLANs is no longer active. What is the cause of this issue?

- A. Ethernet and FCoE VLANs cannot be configured on the same Cisco UCS domain.
- B. The UCS Manager detected overlapping VLANs during the upgrade, and Ethernet traffic on those VLANs is now dropped.
- C. The UCS Manager needs to be rebooted to force the configuration to work properly.
- D. Ethernet and FCoE VLANs cannot be configured different Cisco UCS domain.

**Answer:** B

#### **QUESTION 110**

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

- A. Administrator
- B. Server Equipment Administrator
- C. FCoE Administrator

- D. Server Resource Administrator
- E. LAN Administrator

**Answer:** AB

**QUESTION 111**

Which two types of ports are MAC addresses when operating in switch mode? (Choose two.)

- A. uplink
- B. FEX
- C. server
- D. backplane

**Answer:** AC

**QUESTION 112**

A customer has Server1 working properly, configured to boot over SAN and with service profile SP1 assigned. This service profile is cloned to service profile SP2 and assigned to Server2. Before Server2 boots, which three actions needs to be performed? (Choose three.)

- A. Check the WWPN that is assigned to the vHBAs on SP2.
- B. Check the MAC address that is assigned to the vNICs on SP2.
- C. Add two vHBAs and assign them to the proper VSAN.
- D. Add the pWWN of SP2 to the zoning on the SAN switch.
- E. Change the boot target on SP2.
- F. Change the IP address of the vNICs.

**Answer:** ADE

**QUESTION 113**

When configuring a traffic-monitoring session, which two guidelines are required to complete the task? (Choose two.)

- A. For Ethernet traffic, the destination must be an unconfigured physical port.
- B. For Fibre Channel, the destination must be a Fibre Channel uplink port.
- C. For Ethernet traffic, the destination must be an active port that is assigned to an existing VLAN.
- D. For Fibre Channel, the destination must be an inactive port on a VSAN.

**Answer:** AB

**QUESTION 114**

Which three send and receive locations an administrator can find the root cause for a network issue on the Cisco UCS domain? (Choose three.)

- A. between fabric interconnect and LAN or SAN
- B. between the FEX and fabric interconnect
- C. between each FEX on the Cisco UCS chassis
- D. between the host and FEX
- E. between fabric interconnects within the domain

- F. between the Cisco UCS chassis and system interconnects

**Answer:** ABD

**QUESTION 115**

Refer to the exhibit. When this configuration is entered on a fabric interconnect, which traffic is added as a source for a monitoring session?

```
UCS-A# scope eth-uplink
UCS-A /eth-uplink # scope fabric a
UCS-A /eth-uplink/fabric # scope interface 1 3
UCS-A /eth-uplink/fabric/interface # create mon-src mon-src-1
UCS-A /eth-uplink/fabric/interface/mon-src* # set direction transmit
UCS-A /eth-uplink/fabric/interface/mon-src* # commit-buffer
```

- A. the ingress traffic on uplink port 1 on slot 3
- B. the ingress traffic on uplink port 3 on slot 1
- C. the egress traffic on uplink port 1 on slot 3
- D. the egress traffic on uplink port 3 on slot 1

**Answer:** D

**QUESTION 116**

Refer to the exhibit. Which command was executed on a Cisco UCS Fabric Interconnect in NX-OS mode to produce this output?

| SERVER    |      |          | EXTERNAL                |                         |           |
|-----------|------|----------|-------------------------|-------------------------|-----------|
| INTERFACE | VSAN | FCID     | PORT NAME               | NODE NAME               | INTERFACE |
| <hr/>     |      |          |                         |                         |           |
| vfc1942   | 1    | 0x7b0021 | 20:00:00:25:b5:58:10:2e | 20:00:00:25:ff:58:10:2e | fc2/2     |
| vfc2883   | 1    | 0x7b0006 | 20:00:00:25:b5:58:10:4f | 20:00:00:25:ff:58:10:6e | fc2/3     |
| vfc3026   | 1    | 0x7b002c | 20:00:00:25:b5:58:10:5f | 20:00:00:25:ff:58:10:2f | fc2/1     |
| vfc3080   | 1    | 0x7b002b | 20:00:00:25:b5:58:10:6f | 20:00:00:25:ff:58:10:1f | fc2/1     |
| vfc3102   | 1    | 0x7b006c | 20:00:00:25:b5:a5:0a:0a | 20:00:00:25:b5:a5:00:04 | fc2/1     |
| vfc3282   | 1    | 0x7b0099 | 20:00:00:25:b5:ca:ac:01 | 20:00:00:25:b5:be:ef:aa | fc2/2     |
| vfc3424   | 1    | 0x7b0088 | 20:00:00:25:b5:58:10:de | 20:00:00:25:ff:58:10:4e | fc2/1     |
| vfc3427   | 1    | 0x7b006a | 20:00:00:25:b5:a5:0a:0b | 20:00:00:25:b5:a5:00:03 | fc2/3     |
| vfc3513   | 1    | 0x7b00a4 | 20:00:00:25:b5:ca:1a:df | 20:00:00:25:b5:ca:00:7f | fc2/3     |
| vfc3521   | 1    | 0x7b000b | 20:00:00:25:b5:58:10:1f | 20:00:00:25:ff:58:10:5f | fc2/2     |
| vfc3606   | 1    | 0x7b00a2 | 20:00:00:25:b5:ca:1a:ff | 20:00:00:25:b5:ca:00:5f | fc2/2     |

Total number of flogi = 11.

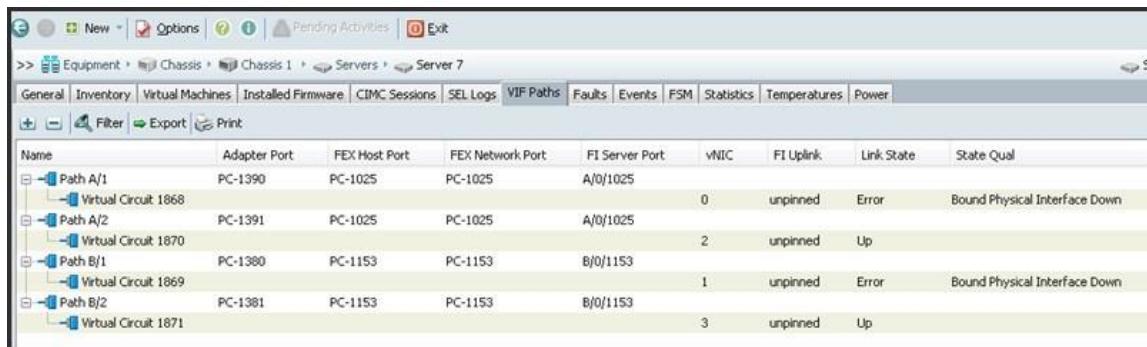
- A. show flogi database
- B. show npv flogi-table
- C. show flogi
- D. show npv flogi-database

- E. show fcns database

**Answer:** B

### QUESTION 117

Refer to the exhibit. A system administrator reviews the VIF paths and discovers an error. What is the cause of the error?



| Name     | Adapter Port | FEX Host Port | FEX Network Port | FI Server Port | vNIC | FI Uplink | Link State | State Qual                    |
|----------|--------------|---------------|------------------|----------------|------|-----------|------------|-------------------------------|
| Path A/1 | PC-1390      | PC-1025       | PC-1025          | A/0/1025       | 0    | unpinned  | Error      | Bound Physical Interface Down |
| Path A/2 | PC-1391      | PC-1025       | PC-1025          | A/0/1025       | 2    | unpinned  | Up         |                               |
| Path B/1 | PC-1380      | PC-1153       | PC-1153          | B/0/1153       | 1    | unpinned  | Error      | Bound Physical Interface Down |
| Path B/2 | PC-1381      | PC-1153       | PC-1153          | B/0/1153       | 3    | unpinned  | Up         |                               |

- A. The server has no connection to the SAN.
- B. The server is still booting over SAN.
- C. The server is still booting over iSCSI.
- D. The server has the VIC with errors and needed to make an RMA.
- E. The switch that is connected the fabric interconnect has a port that is unavailable.

**Answer:** C

### QUESTION 118

Which two actions do you need to take to configure jumbo frames on UCS Manager? (Choose two.)

- A. Choose QoS Policy Jumbo, choose the LAN tab, and set the MTU value to 9000.
- B. Choose QoS System Class, choose the LAN tab, and set the MTU value to 9000.
- C. Choose LAN Uplinks Manager, choose the LAN tab, and set the MTU value to the uplinks VLANs to 9000.
- D. Choose the vNIC, and on the Server Profile set the MTU value to 9000.
- E. On the Admin tab, under Global Policy, enable Jumbo MTU Bytes.
- F. Go the fabric interconnect on the Equipment tab, right-click the port, and set the MTU value to 9000.

**Answer:** BD

### QUESTION 119

What task is required before adding traffic sources to a monitoring session?

- A. create a traffic monitoring session
- B. choose a source component
- C. activate the session
- D. delete any earlier data collection

**Answer:** A

**QUESTION 120**

Which CLI command should you use to promote the local fabric interconnect to primary?

- A. cluster primary force
- B. cluster failover primary
- C. cluster force primary
- D. cluster failover
- E. failover

**Answer:** C

**QUESTION 121**

Refer to the exhibit. What can you deduce from this configuration?

```
interface Ethernet1/1/3
 switchport vntag max-vifs 30
 switchport mode vntag
 fabric-interface Eth1/1
 no shutdown
```

- A. This configuration is not taken from a fabric interconnect.
- B. This configuration refers to an uplink port on the fabric interconnect.
- C. Fabric link Eth1/1/3 is pinned to uplink port Eth1/1.
- D. A server in slot 3 is pinned to link 1 between IOM and the fabric interconnect.

**Answer:** D

**QUESTION 122**

Which Cisco UCS C Series command sequence initiates the sending of a technical support file to a TFTP server?

- A. ucs /cimc # scope tech-support ucs /cimc/tech-support # set ip 10.1.1.1  
ucs /cimc/tech-support \*# set tftp-path \showtechsupport  
ucs /cimc/tech-support \*#commit ucs /cimc/tech-support \*#start
- B. ucs /cimc # scope tech-support  
ucs /cimc/tech-support # set tftp-ip 10.1.1.1  
ucs /cimc/tech-support \*# set path \showtechsupport  
ucs /cimc/tech-support \*#commit ucs /cimc/tech-support \*#start
- C. ucs /cimc # scope support ucs /cimc/support # set tftp-ip 10.1.1.1  
ucs /cimc/support \*# set path \showtechsupport  
ucs /cimc/support \*#commit ucs /cimc/support \*#start
- D. ucs /cimc # scope system-support  
ucs /cimc/system-support # set tftp-ip 10.1.1.1  
ucs /cimc/system-support \*# set path \showtechsupport

ucs /cimc/system-support \*#commit ucs /cimc/system-support \*#start

**Answer:** B

**QUESTION 123**

During a Cisco UCS firmware update via the UCS Manager GUI, you choose All from the Filter list in the Activate Firmware dialog box. Which statement about this action is true?

- A. Because many releases and patches have dependencies that require a specific order, this method is not preferred, and you should consult the release notes.
- B. This setting will work and UCS Manager will properly activate all elements in the correct order.
- C. This setting will have no effect, and you should always use the CLI to complete firmware upgrades.
- D. You should open a case with Cisco TAC to determine what to do.

**Answer:** A

**QUESTION 124**

Which option is the cause when a DIMM is marked as bad?

- A. More than 16000 errors were witnessed during test execution during BIOS.
- B. DIMM Blacklisting is enabled.
- C. The DIMM is missing.
- D. The bank of DIMMs is composed of different size DIMMs.

**Answer:** A

**QUESTION 125**

As an experienced technician, you are responsible for Technical Support in your company. A user calls to ask you which Cisco UCS feature he could send specific functional data using call home. How will you reply?

- A. call home profiles
- B. call home alert groups
- C. call home port groups
- D. call home threshold groups

**Answer:** B

**QUESTION 126**

As an experienced technician, you should be familiar with components of the UCS solution. Which of the following have beacon LEDs? (Choose two)

- A. fabric interconnect
- B. monitors
- C. blades
- D. chassis

**Answer:** CD

**QUESTION 127**

Refer to the following statements, which one about full-state backup is the most accurate?

- A. used for either a single or dual UCS catastrophic failure
- B. stored as gzipped tarball
- C. can be restored with no special requirements
- D. easy to modify as needed

**Answer:** A

**QUESTION 128**

Which two of the following descriptions best describe opt-in models? (Choose two)

- A. A logical server opt-in model uses hardware values as identifiers
- B. A basec opt-in model uses hardware values as identifiers
- C. A logical server opt-in model uses virtualized identifiers
- D. A basec opt-in model uses virtualized identifiers

**Answer:** BC

**QUESTION 129**

Refer to the following items, which is contained in a user object of the UCS system contain? (Choose two)

- A. Microsoft Active Directory credentials
- B. Authentication and Authorization credentials
- C. LDAP assignment
- D. Role assignment

**Answer:** CD

**QUESTION 130**

Which of the following statements correctly describes the high availability in the Cisco UCS?

- A. Each group is identified by a floating node ID
- B. A node is one of the two(2) Fabric Interconnects
- C. A node is one of the two(2) CMCs
- D. A group is a set of four(4)nodes

**Answer:** B

**QUESTION 131**

On a Cisco Nexus 5000 Series Switch, which two options are valid traffic sources that can be monitored, when configuring a SPAN session for a port channel?

- A. egress and the SAN port channel only
- B. ingress and the SAN port channel only

- C. ingress and egress only
- D. ingress, egress, and the SAN port channel

**Answer:** B

**QUESTION 132**

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

**QUESTION 133**

Hotspot Question

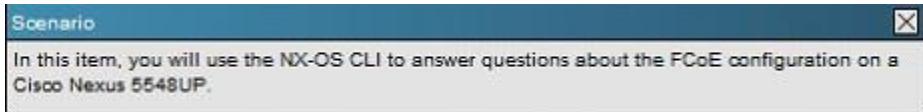
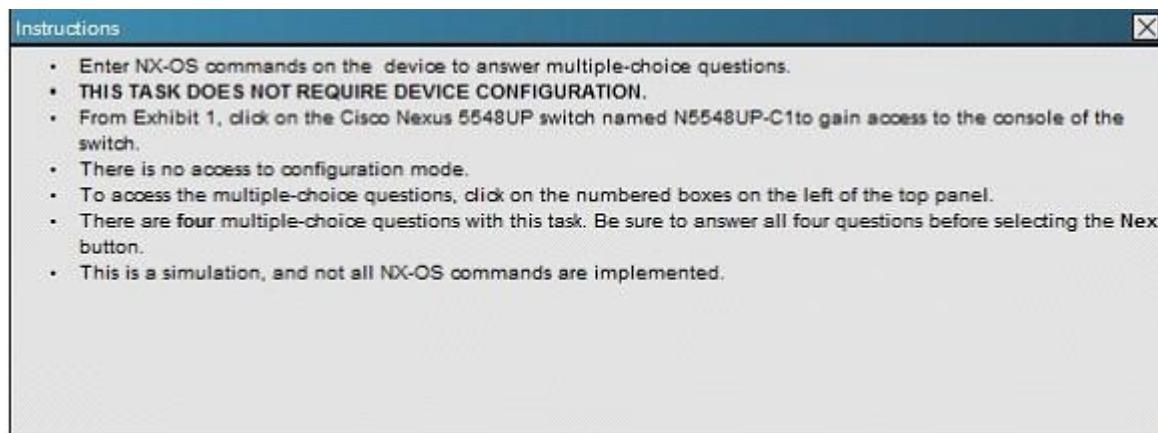
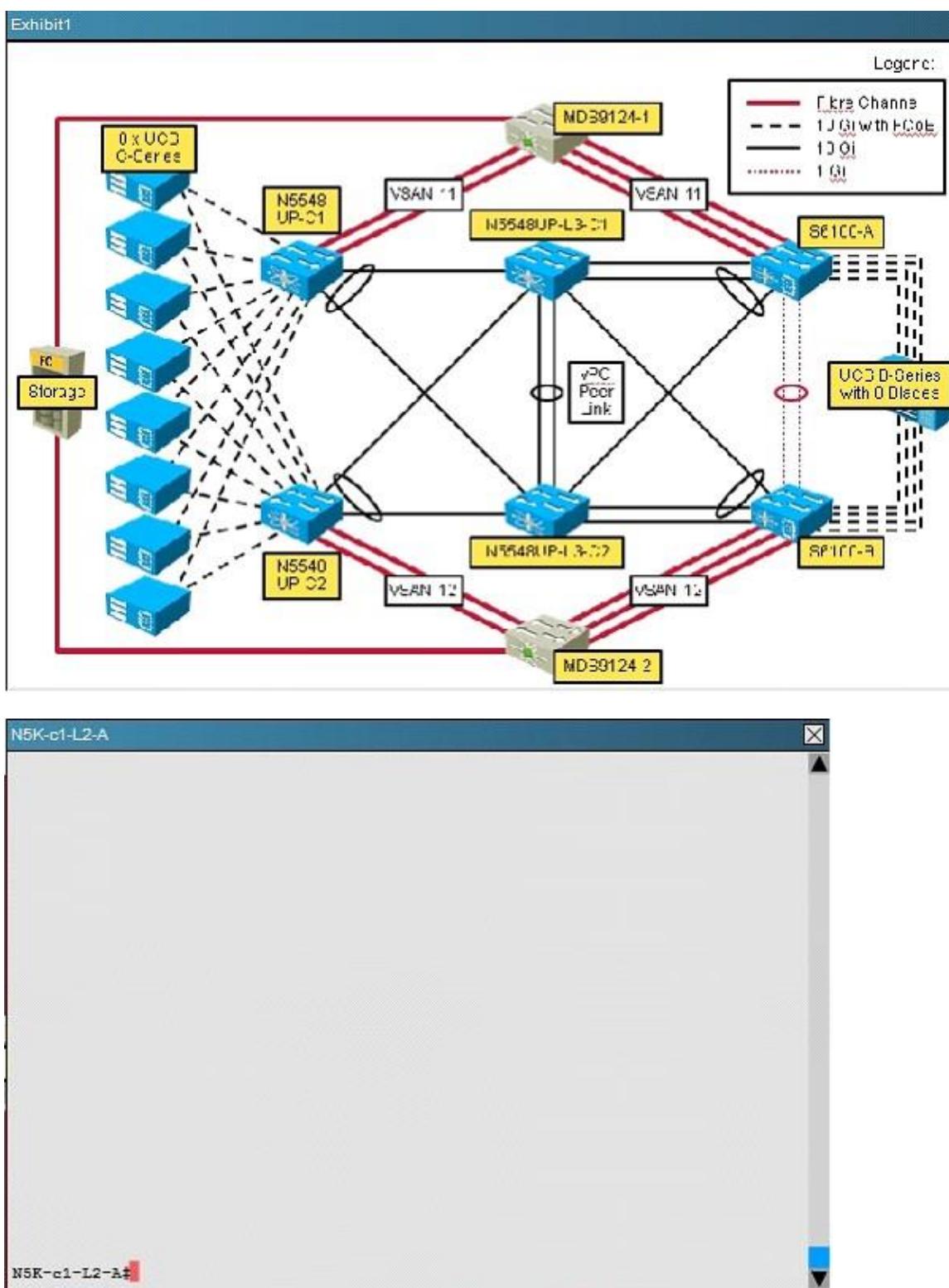


Exhibit1



Why is Virtual Fibre Channel interface 19 in err-disable state?

- A. Missing transceiver
- B. Virtual interface is not bound to a physical interface

- C. The associated physical interface is down
- D. VSAN to VLAN binding mis-configured

**Answer:** D

### QUESTION 134

Hotspot Question

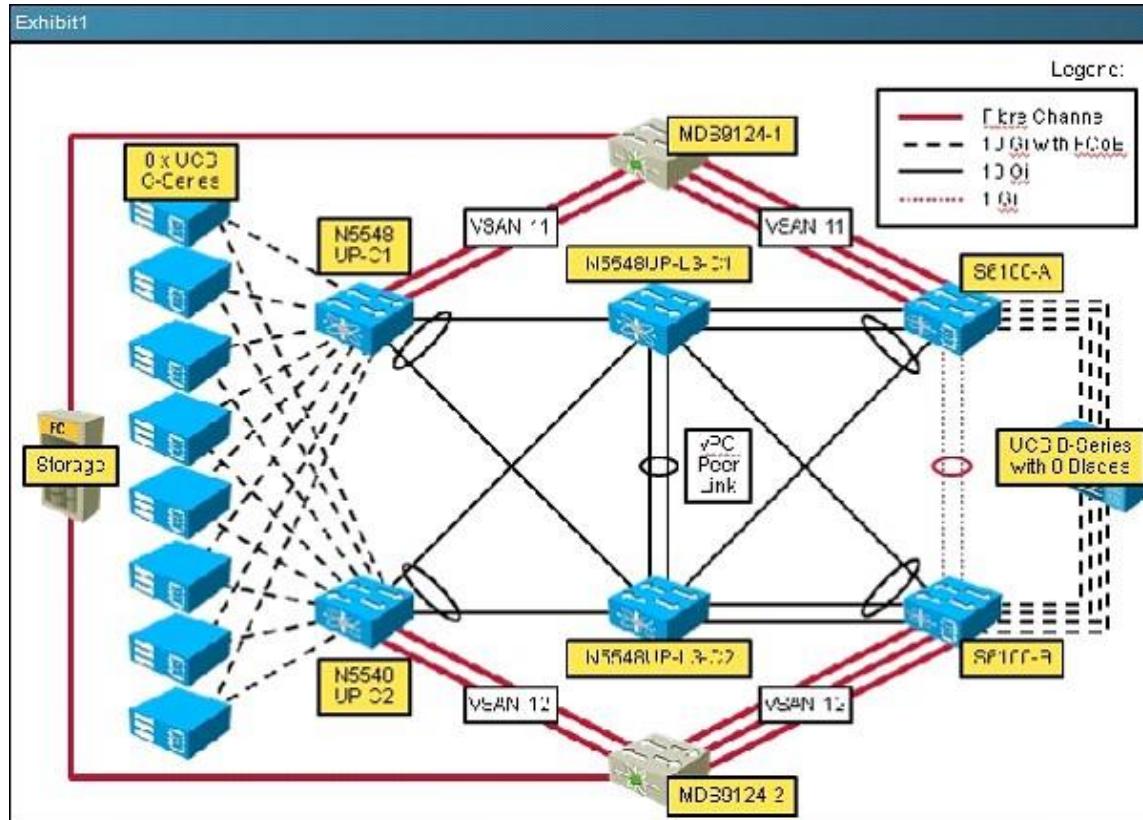
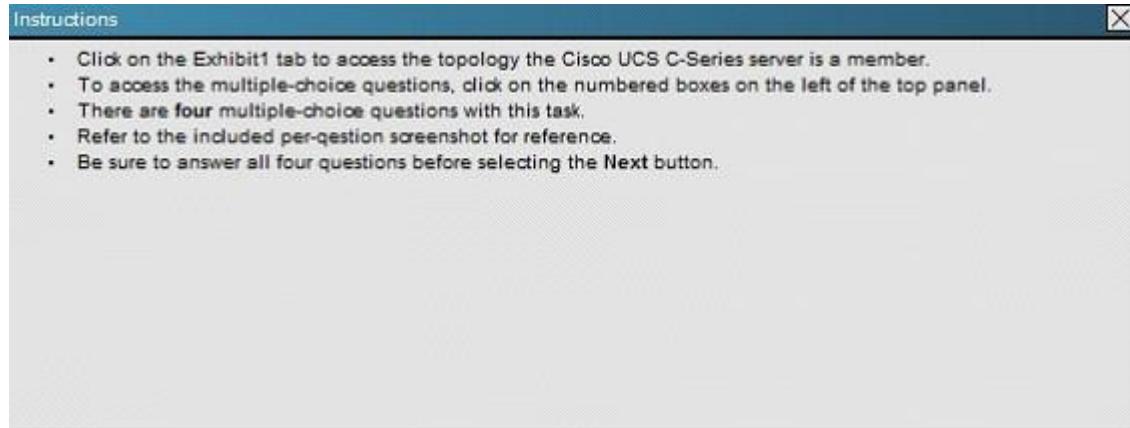


Exhibit2

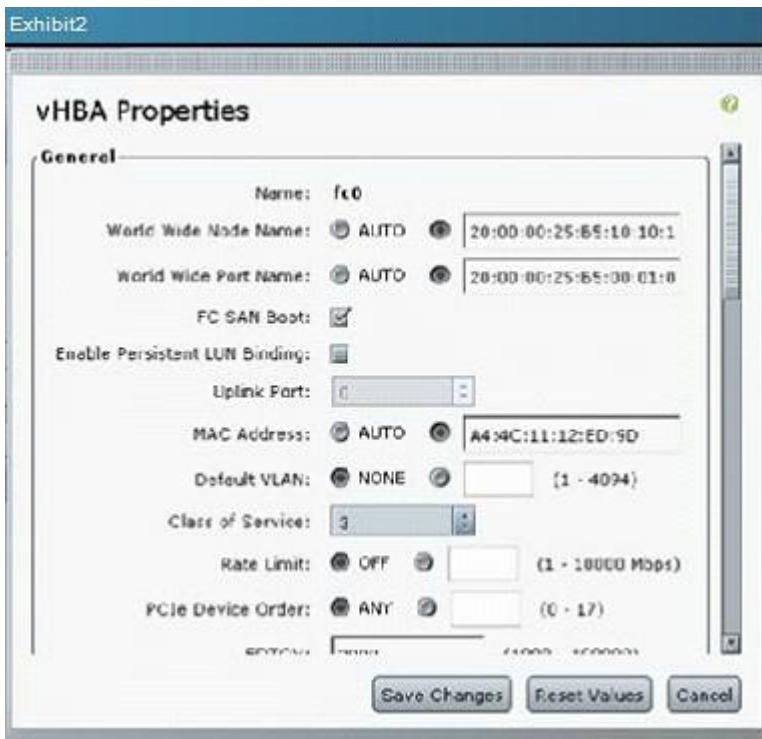
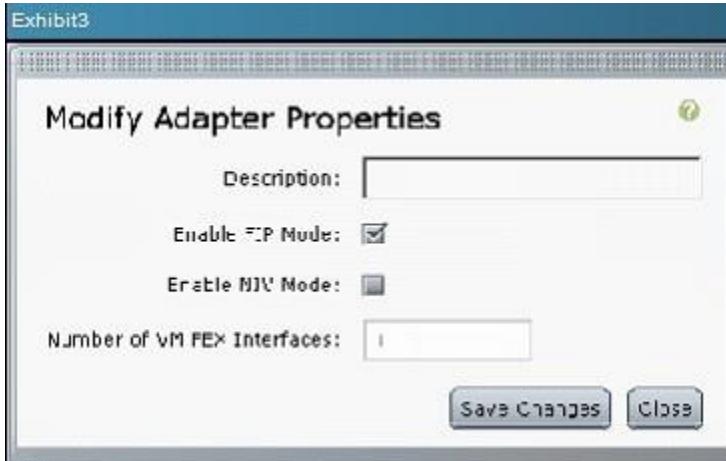


Exhibit3



**Exhibit4**

**General**

Name:  
Stripe Size: **64 KB**  
Drives Per Span: **4**  
Span Depth: **1**  
Access Policy: **Read-Write**  
Cache Policy: **Direct**  
Read Ahead Policy: **Always**  
Write Cache Policy: **Write Through**  
Disk Cache Policy: **Unchanged**  
Allow Background Init: **true**  
Auto Snapshot: **false**  
Auto Delete Oldest: **true**

**Exhibit5**

Username: **admin**  
Password:

**Log In** **Cancel**

Login failed. Verify that your  
username and password are  
correct.

Refer to Exhibit 2. Which of the following options is true about why this C-Series vHBA will not allow SAN boot?

- A. The WWPN and WWNN must match
- B. Persistent Binding is required by all operating systems
- C. The default VLAN must match the FCoE VLAN
- D. The Class of Service must be set to '1' to negotiate Priority Flow Control for FCoE traffic

**Answer:** A

**QUESTION 135**

Hotspot Question

## Instructions

- Click on the Exhibit1 tab to access the topology the Cisco UCS C-Series server is a member.
  - 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.
  - Refer to the included per-question screenshot for reference.
  - Be sure to answer all four questions before selecting the Next button.

Scenario

In this scenario, you will answer questions about Cisco UCS C-Series server configuration based on screenshots from the Cisco IMC GUI.

Exhibit1

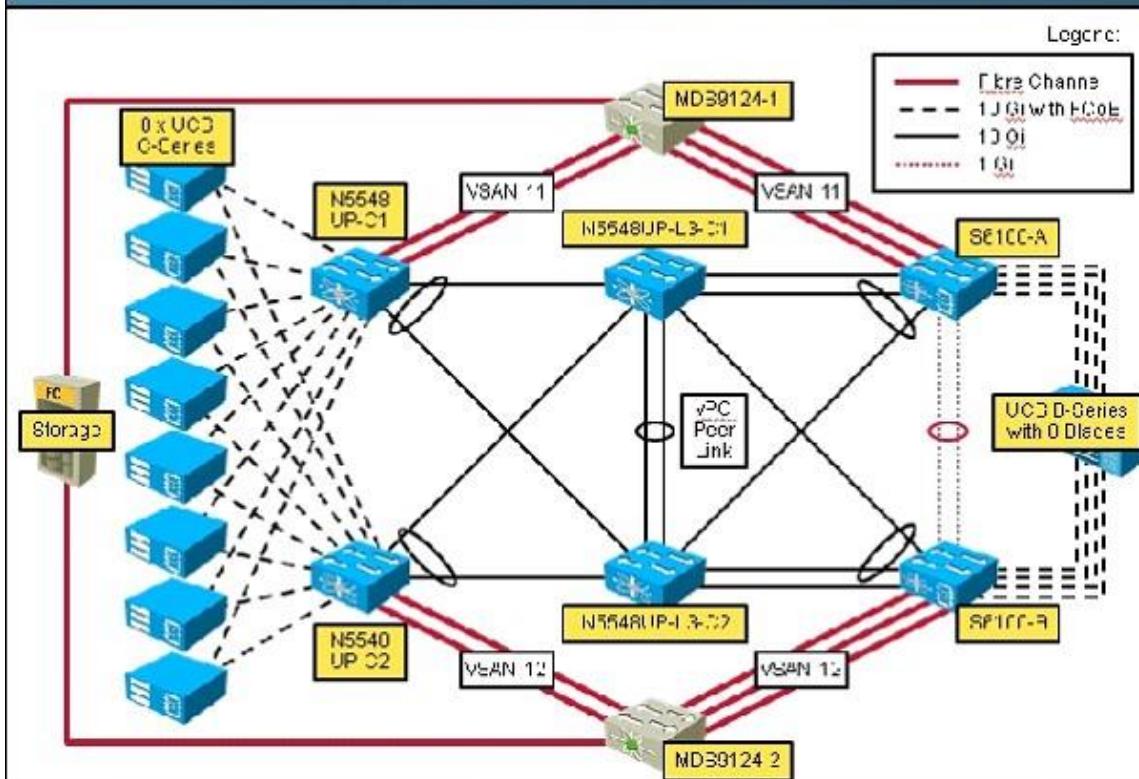


Exhibit2

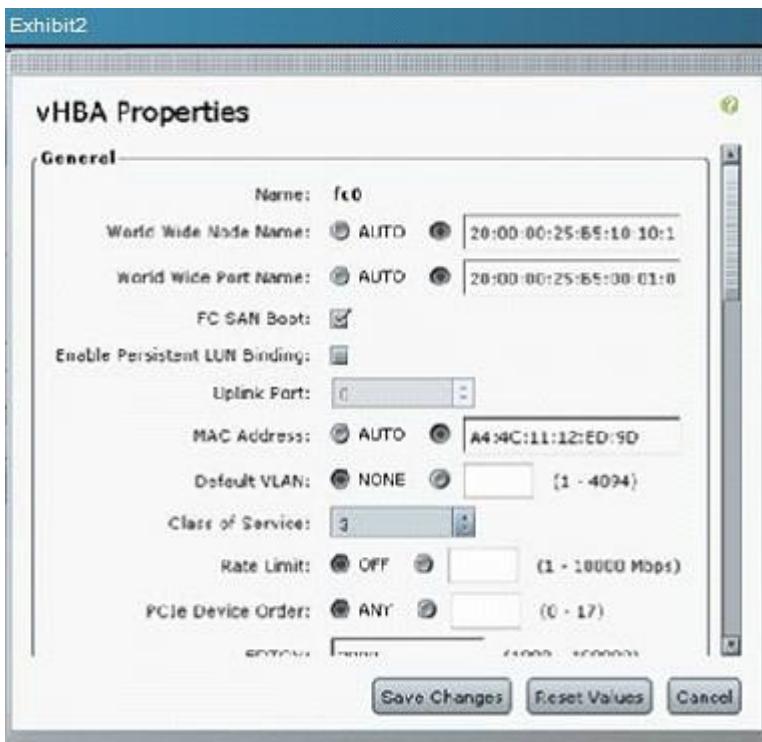


Exhibit3

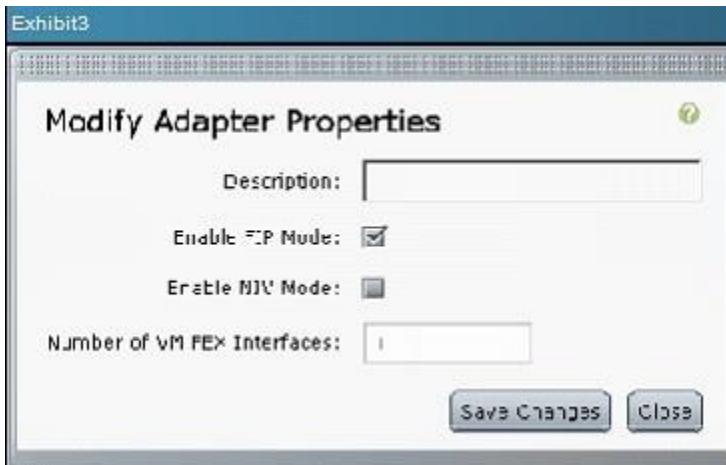


Exhibit4

| General                |               |
|------------------------|---------------|
| Name:                  |               |
| Stripe Size:           | 64 KB         |
| Drives Per Span:       | 4             |
| Span Depth:            | 1             |
| Access Policy:         | Read-Write    |
| Cache Policy:          | Direct        |
| Read Ahead Policy:     | Always        |
| Write Cache Policy:    | Write Through |
| Disk Cache Policy:     | Unchanged     |
| Allow Background Init: | true          |
| Auto Snapshot:         | false         |
| Auto Delete Oldest:    | true          |

Exhibit5

|                                                                             |                          |
|-----------------------------------------------------------------------------|--------------------------|
| Username:                                                                   | admin                    |
| Password:                                                                   | <input type="password"/> |
| <input type="button" value="Log In"/> <input type="button" value="Cancel"/> |                          |
| Login failed. Verify that your<br>username and password are<br>correct.     |                          |

Refer to Exhibit 3. Which two statements are true if the Enable NIV Mode checkbox is selected on a Cisco VIC? {Choose two.}

- A. It enables N-Port Interface Virtualization on the VIC
- B. vNICs can fail over to another vNIC if there are communication problems
- C. NIV mode is required for FCoE
- D. vNICs can be assigned to a specific channel
- E. It allows for the creation of up to 12 vHBAs

**Answer:** BE

**QUESTION 136**

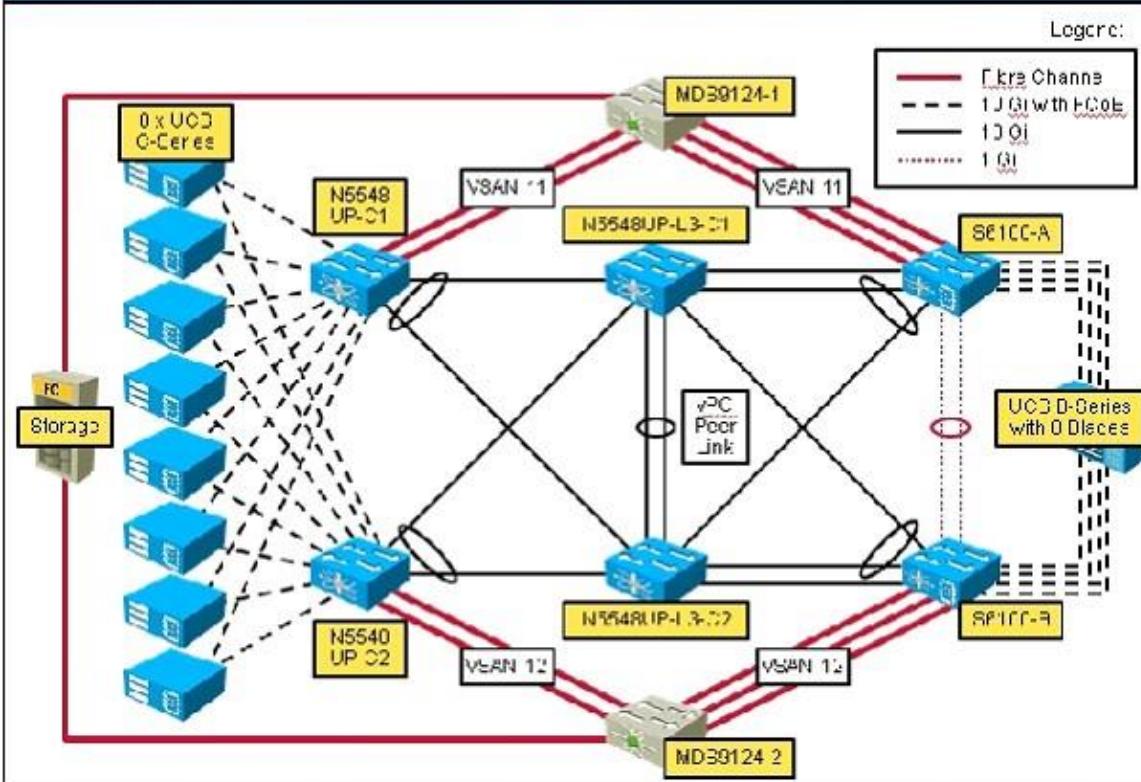
Hotspot Question

**Instructions**

- Enter NX-OS commands on the device to answer multiple-choice questions.
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- From Exhibit 1, click on the Cisco Nexus 5548UP switch named N5548UP-C1 to gain access to the console of the switch.
- There is no access to configuration mode.
- 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 selecting the Next button.
- This is a simulation, and not all NX-OS commands are implemented.

**Scenario**

In this item, you will use the NX-OS CLI to answer questions about the FCoE configuration on a Cisco Nexus 5548UP.

**Exhibit1**



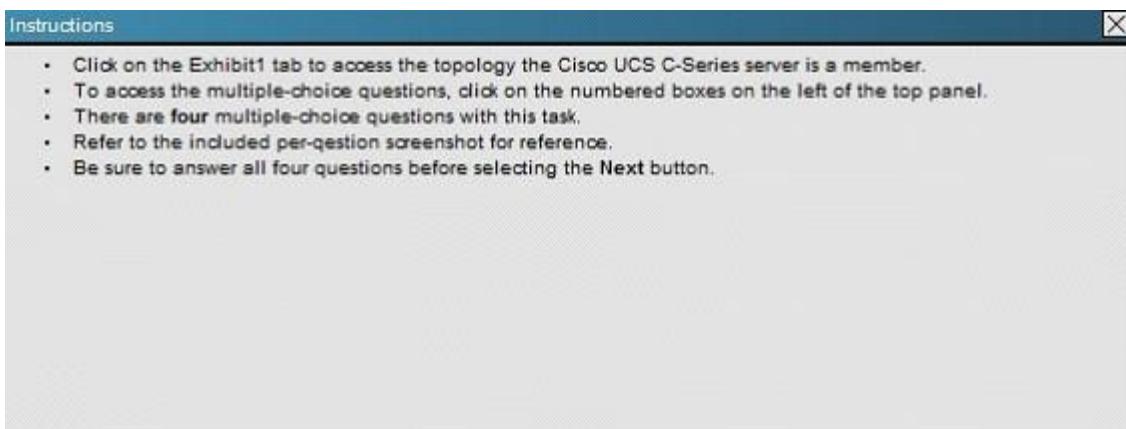
What is the FCF-MAC for this switch?

- A. 54:7f:ee:98:9b:39
- B. 54:7f:ee:98:9b:40
- C. 54:7f:ee:98:9b:41
- D. 54:7f:ee:98:9b:42
- E. 54:7f:ee:98:9b:43

**Answer:** E

**QUESTION 137**

Hotspot Question



**Scenario**

In this scenario, you will answer questions about Cisco UCS C-Series server configuration based on screenshots from the Cisco IMC GUI.

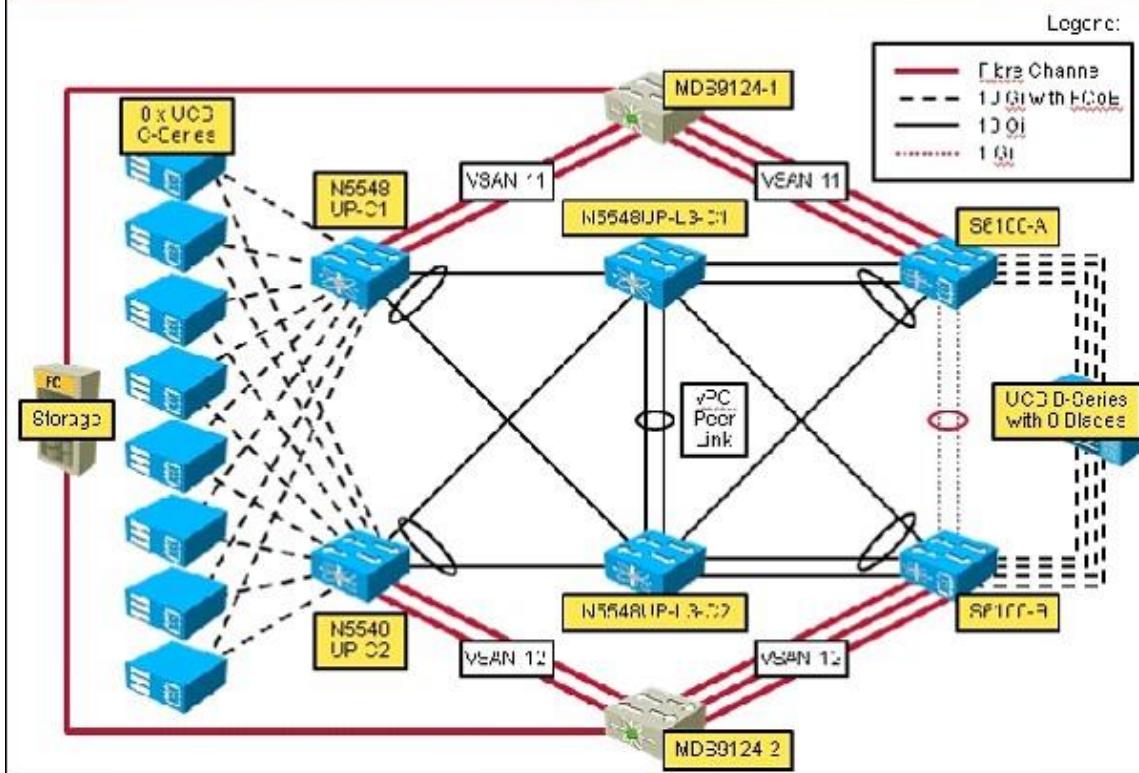
**Exhibit1**


Exhibit2

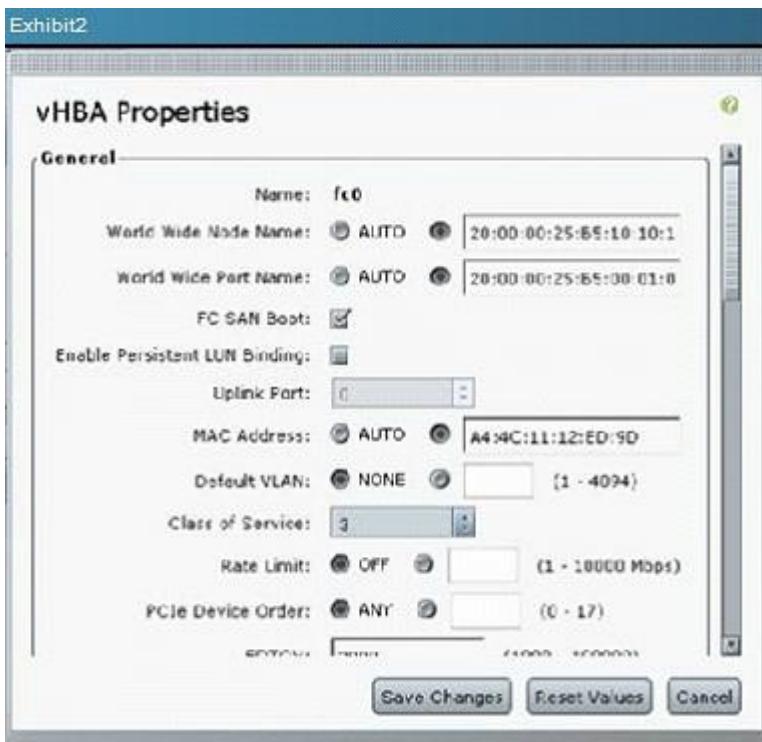


Exhibit3

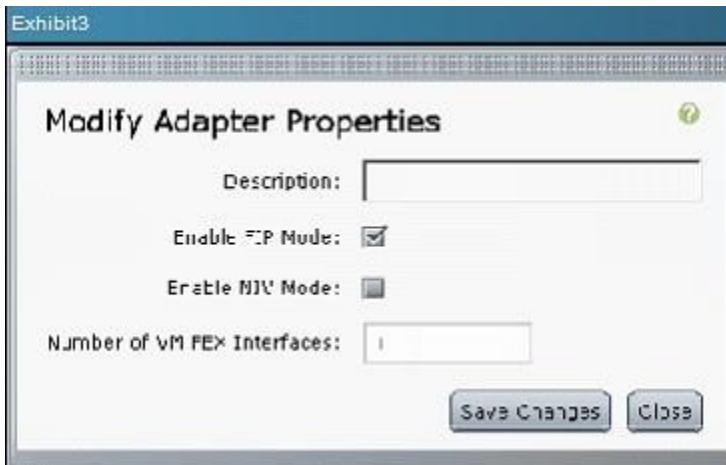


Exhibit4

| General                |               |
|------------------------|---------------|
| Name:                  |               |
| Stripe Size:           | 64 KB         |
| Drives Per Span:       | 4             |
| Span Depth:            | 1             |
| Access Policy:         | Read-Write    |
| Cache Policy:          | Direct        |
| Read Ahead Policy:     | Always        |
| Write Cache Policy:    | Write Through |
| Disk Cache Policy:     | Unchanged     |
| Allow Background Init: | true          |
| Auto Snapshot:         | false         |
| Auto Delete Oldest:    | true          |

Exhibit5

The image shows a login interface with a blue header bar. Below it, there are two input fields: 'Username' containing 'admin' and 'Password' containing a redacted string. Underneath the fields are two buttons: 'Log In' and 'Cancel'. At the bottom of the screen, there is a message in red text: 'Login failed. Verify that your credentials and connection are correct.'

Refer to Exhibit 4. Which selection is true regarding the configured Write Cache policy on the RAID adapter?

- A. Data written is stored in the cache and also written through to the physical drives
- B. Data written is stored in the cache and will be written to the physical drives when bandwidth is available
- C. Write Through mode poses the risk of data corruption if a BBU is not installed
- D. Write Through mode falls back to Write Back mode if the BBU fails

**Answer:** A

**Explanation:**

Cisco stated: All write data is transferred directly to the disk if Write Through mode is turned on.  
<http://whatis.techtarget.com/definition/write-through>

### QUESTION 138

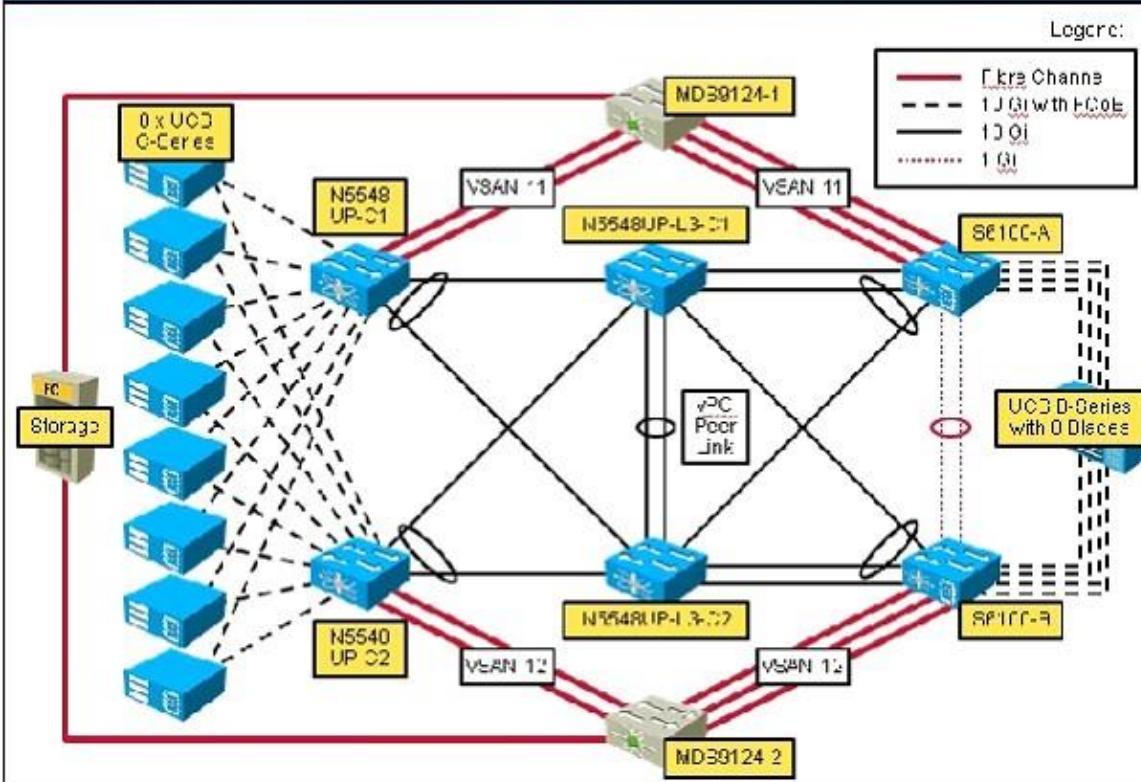
Hotspot Question

**Instructions**

- Enter NX-OS commands on the device to answer multiple-choice questions.
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- From Exhibit 1, click on the Cisco Nexus 5548UP switch named N5548UP-C1 to gain access to the console of the switch.
- There is no access to configuration mode.
- 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 selecting the Next button.
- This is a simulation, and not all NX-OS commands are implemented.

**Scenario**

In this item, you will use the NX-OS CLI to answer questions about the FCoE configuration on a Cisco Nexus 5548UP.

**Exhibit1**



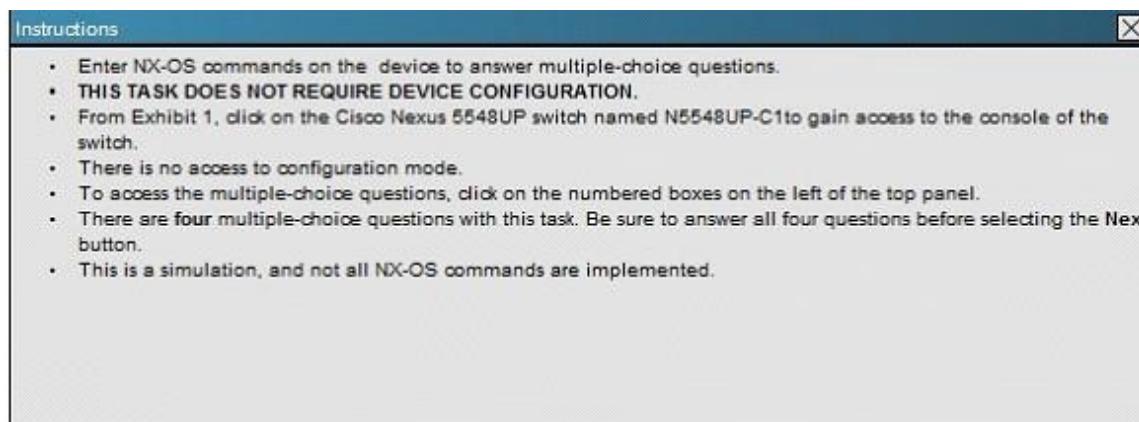
Which two virtual Fibre Channel interfaces are able to pass traffic VSAN 11? {Choose two.}

- A. 11
- B. 12
- C. 13
- D. 14
- E. 15
- F. 10

**Answer:** AB

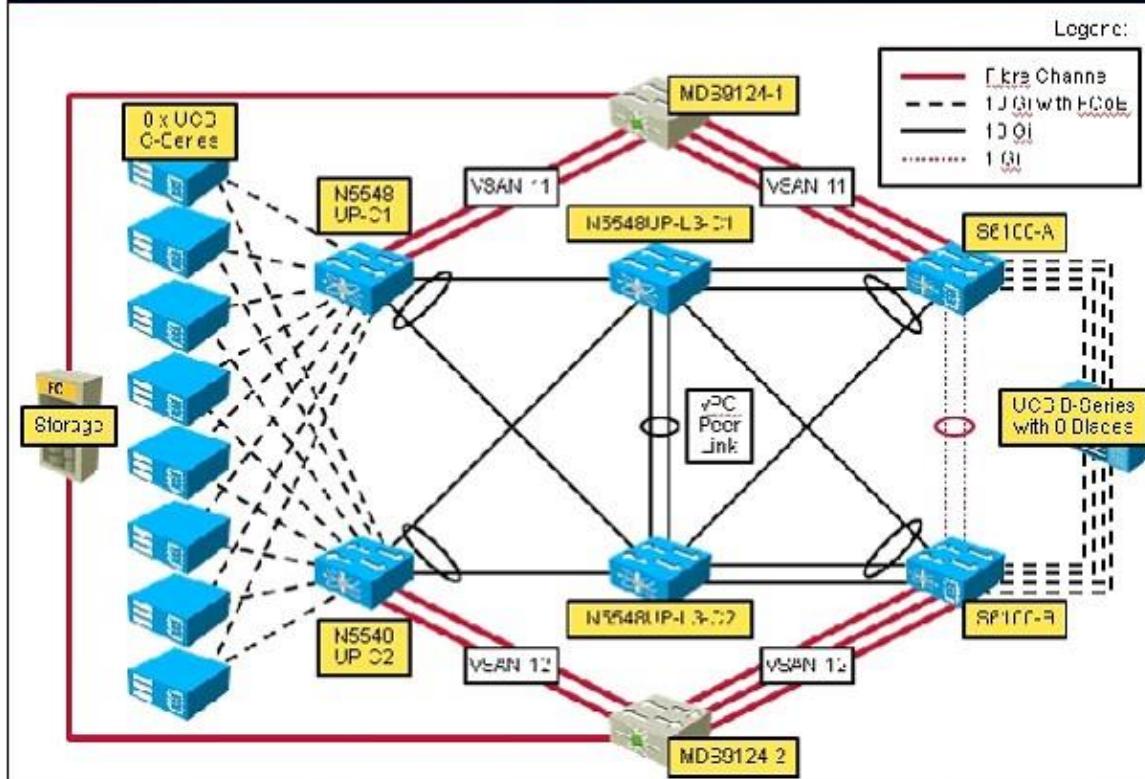
#### **QUESTION 139**

Hotspot Question



**Scenario**

In this item, you will use the NX-OS CLI to answer questions about the FCoE configuration on a Cisco Nexus 5548UP.

**Exhibit1**

**N5K-c1-L2-A**

N5K-c1-L2-A#

What is the reason that no C-Series servers can access Fibre Channel storage from this Cisco Nexus 5548UP switch?

- A. Zoning mode mis-match with the MDS 9124
- B. There are no active Fibre Channel interfaces
- C. VSAN mis-match on Fibre Channel interfaces
- D. None of the virtual fibre channel interfaces are configured

**Answer:** A

#### QUESTION 140

Hotspot Question

**Instructions** X

- Click on the Exhibit1 tab to access the topology the Cisco UCS C-Series server is a member.
- 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.
- Refer to the included per-question screenshot for reference.
- Be sure to answer all four questions before selecting the Next button.

**Scenario** X

In this scenario, you will answer questions about Cisco UCS C-Series server configuration based on screenshots from the Cisco IMC GUI.

Exhibit1

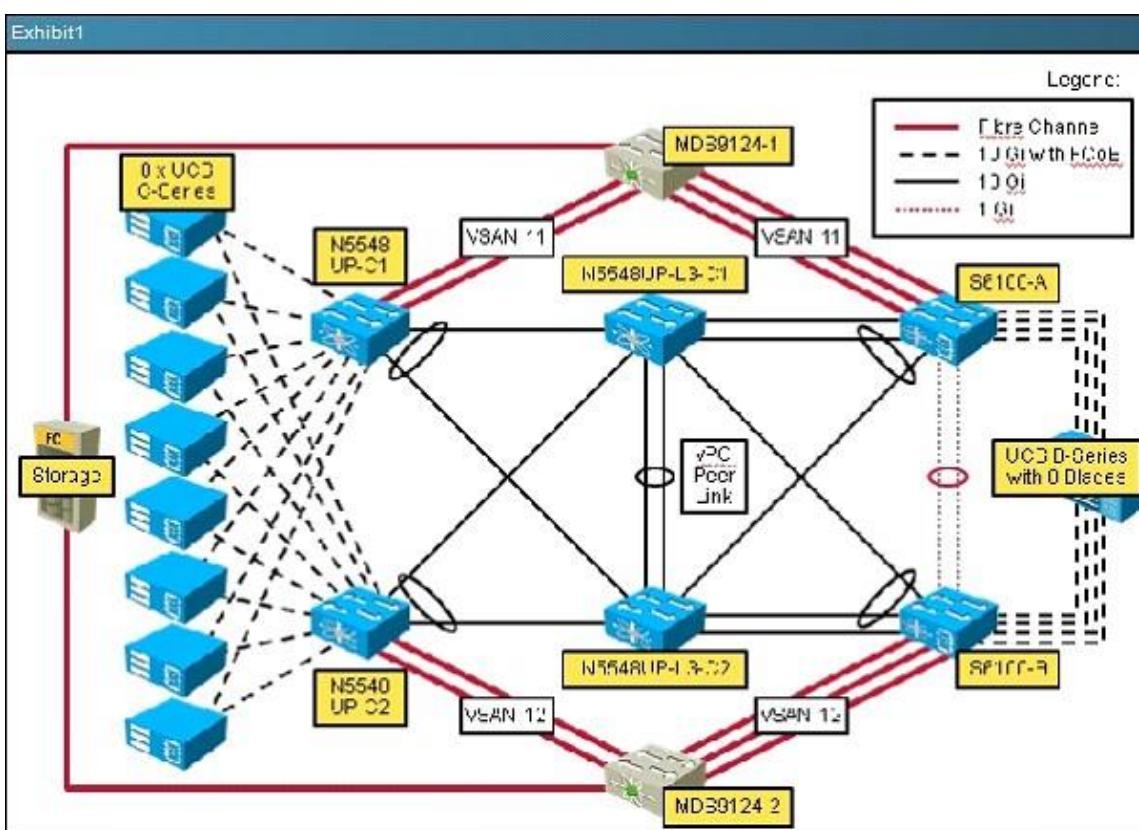
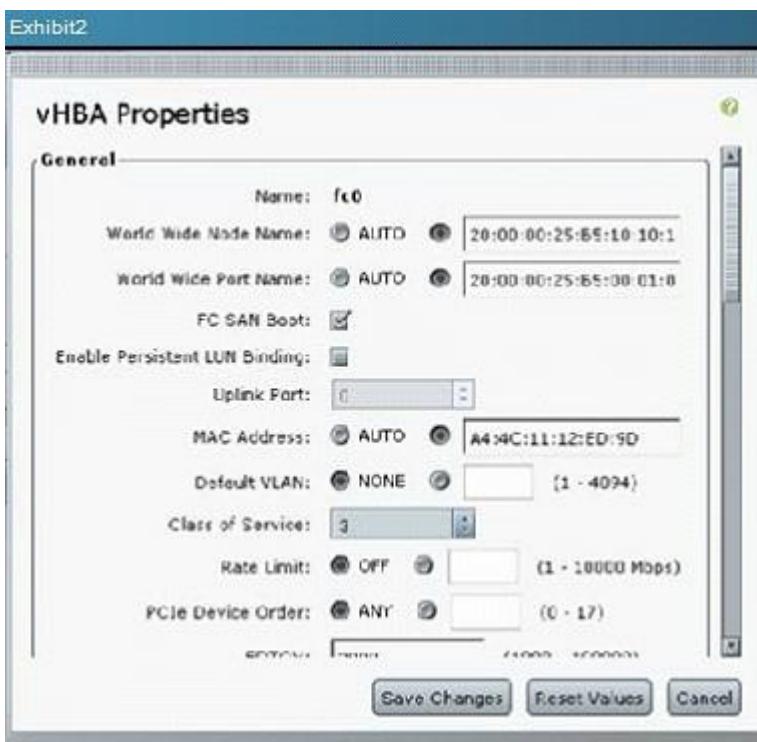
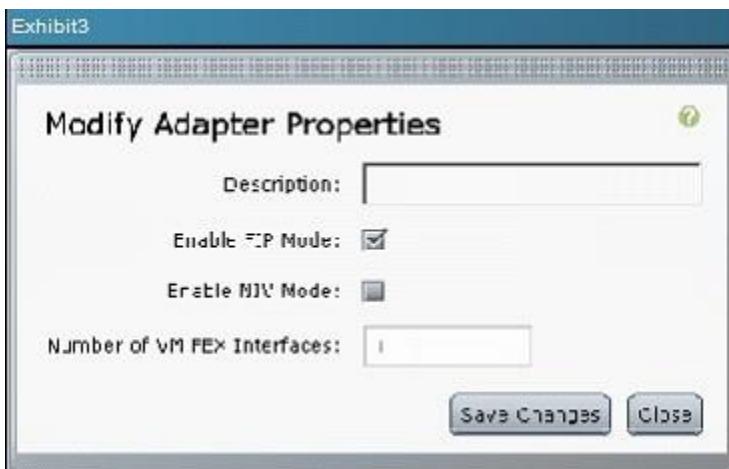


Exhibit2





Refer to Exhibit 5. Which of the following is true regarding password recovery for the Cisco IMC GUI interface?

- From the KVM Console, press F12 during POST to reset the credentials to admin/password
- Type RECOVER into the Username field, and then type SYSTEM in the Password field to enter recovery mode
- Refer to the model-specific Cisco UCS C-Series Hardware guide to learn the location of the recovery jumper on the server motherboard

- D. Enter the Cisco IMC BIOS to reset the GUI password

**Answer:** D

**QUESTION 141**

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

**QUESTION 142**

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 cannot be installed on RAID arrays.

**Answer:** C

**QUESTION 143**

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:** CD

**Explanation:**

When you have local storage then you should enable local or san storage, not both.

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_011101.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_011101.pdf)

**QUESTION 144**

You use dynamic vNICs. You create a new service profile.

You receive an error message that indicates that you exceeded the number of dynamic vNICs. Which two components can affect the maximum number of dynamic vNICs in the Cisco UCS environment? (Choose two.)

- A. the model of the fabric interconnects
- B. the number of chassis uplinks
- C. the model of the FEX
- D. VMDirectPath sizing

**Answer:** AB

**QUESTION 145**

You discover that a new blade server encounters power spikes during peak hours. Which action occurs during the power spikes if you use manual blade-level power capping?

- A. The blade shuts down.
- B. An alert is generated.
- C. Power is reduced.
- D. The chassis enters standby mode.

**Answer:** C

**QUESTION 146**

Which two statements about the Cisco UCS FSM are true? (Choose two.)

- A. The FSM is run on the DME.
- B. The FSM is a workflow model with a finite number of stages.
- C. The FSM is a process to upgrade the firmware.
- D. Cisco UCS has two FSMs.
- E. The FSM is used to observe the physical, logical, and virtual components on the Cisco UCS.

**Answer:** AB

**QUESTION 147**

Using CLI/GUI to troubleshoot packet flow from server to the fabric, you discover that the blade server 1/7 in a Cisco UCS B-Series Blade Server is running slower than expected.

You must troubleshoot the problem by using packet tracing.

Which three commands can you use to identify the uplink from the Cisco UCS Fabric Interconnect to the external network of the server? (Choose three.)

- A. show pinning server-interfaces
- B. show pinning border-interface active
- C. show service-profile circuit server 1/7
- D. show fex detail
- E. show pinning border-interface
- F. show interface-fex fabric

**Answer:** ABC

**QUESTION 148**

On a Cisco UCS C-Series Rack-Mount Server, which state of the DIMM fault LED indicates a faulty DIMM module?

- A. OFF
- B. flashing red
- C. solid amber
- D. flashing amber
- E. flashing blue

**Answer:** C

**QUESTION 149**

A customer deploys a new Cisco UCS environment and is deploying new ESXi hosts. The customer fails to establish network connectivity to the KVM console. Which option is the most likely cause of the problem?

- A. wrong UUID
- B. missing user rights
- C. IP addressing overlap
- D. NIC pinning

**Answer:** C

**QUESTION 150**

You attempt to perform an ESXi update on a Cisco UCS C250 server, but the update does not recognize the NICs. You must perform the update as quickly as possible. Which step must you do first?

- A. Check the UCS compatibility matrix and replace the NIC with a supported one.
- B. Reconfigure the NIC ID on the LOM.
- C. Update the LOM firmware by using the Cisco Host Update Utility.
- D. Update the NIC firmware by using the Cisco Host Update Utility.

**Answer:** C

**QUESTION 151**

How can you set a Cisco UCS C-Series Server to export tech-support data for TAC to an external file server?

- A. CIMC to a TFTP server
- B. CIMC to an RCP server
- C. FSM to a TFTP server
- D. FSM to an RCP server

**Answer:** A

**QUESTION 152**

A customer is troubleshooting the CIMC and resets the CIMC. Which three settings are defaults for the CIMC after it is reset? (Choose three.)

- A. SSH and Telnet are disabled from accessing the CIMC CLI.

- B. HTTPS enabled for accessing the CIMC GUI.
- C. A user account named admin exists that has a password of password.
- D. DHCP is disabled on the management port.
- E. The boot order is EFI, CDROM, PXE (using LoM), FDD, and HDD.
- F. KVM and vMedia are disabled.
- G. USB is disabled.

**Answer:** BCE

**QUESTION 153**

Which two options are ways to identify the exact BIOS version of a Cisco UCS C-Series Rack-Mount Server? (Choose two.)

- A. Use the iFlash32 command and select the -i option.
- B. Press F2 during server bootup.
- C. Press F6 during server bootup.
- D. Press F12 during server bootup.
- E. Press F10 during server bootup.
- F. Use the EFI interface.

**Answer:** AB

**QUESTION 154**

Which statement about when the FSM on a blade is set to FsmComputeBladeDiscoverCimcInventory is true?

- A. The Object is a ComputeBlade, the Workflow being performed is Discover, and the current Operation is CimcInventory on the managingInst node.
- B. The Object is a Compute, the Workflow being performed is BladeDiscover, and the current Operation is CimcInventory on the managementInst node.
- C. The Object is a ComputeBlade, the Workflow being performed is Discover, and the current Operation is CimcInventory on the master node.
- D. The Object is a Compute, the Workflow being performed is BladeDiscover, and the current Operation is CimcInventory on the master node.

**Answer:** A

**QUESTION 155**

Which command must you use to find information about system event logs?

- A. UCS-TEST-DMZ-A/security #show audit-logs
- B. UCS-TEST-DMZ-A/cimc/log#show entries
- C. UCS-TEST-DMZ-A/system/control-ep#show communication-policy-ctrl
- D. UCS-TEST-DMZ-A#/org/service-profile#show pending-changes detail

**Answer:** B

**QUESTION 156**

Which two commands check for DIMM errors in a Cisco UCS environment? (Choose two.)

- A. UCS-TEST/chassis#show error-recovery
- B. UCS-TEST/chassis/server/memory-array#show stats
- C. UCS-TEST/chassis/server#show execute-disable
- D. UCS-TEST/chassis/server/memory-array #show block
- E. UCS-TEST/chassis/server#show memory-array detail
- F. UCS-TEST/chassis/server#show error-recovery

**Answer:** BE

**QUESTION 157**

Some of your servers do not have IP connectivity to the upstream network.  
Which two commands do you use to identify whether a data path is up and running on a switch?  
(Choose two.)

- A. show platform fwm info hw-stm
- B. show interface brief
- C. show npvflogi-table
- D. show mac-address table
- E. show pinning border-interfaces active

**Answer:** AB

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/firmware-mgmt/gui/2-2/b\\_GUI\\_Firmware\\_Management\\_22/verifying\\_that\\_the\\_data\\_path\\_is\\_ready.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/firmware-mgmt/gui/2-2/b_GUI_Firmware_Management_22/verifying_that_the_data_path_is_ready.pdf)

**QUESTION 158**

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:** AB

**QUESTION 159**

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:** BC

**QUESTION 160**

You have a Cisco UCS cluster and you must recover a lost admin password. In which order must you power cycle the fabric interconnects?

- A. primary first, and then secondary
- B. secondary first, and then primary
- C. primary and secondary simultaneously
- D. primary only

**Answer:** B

**QUESTION 161**

After you hot swap an HDD, the updated HDD metrics fail to appear in the Cisco UCS Manager GUI. Which option is the most likely cause of the problem?

- A. The Cisco UCS Manager gathers hard disk metrics only during a system boot.
- B. The hard disk firmware version is unsupported.
- C. The hard disk failed to initialize.
- D. The hard disk is a member of a RAID-1 array.

**Answer:** A

**QUESTION 162**

You have a Cisco UCS Fabric Interconnect in Fibre Channel end-host mode. You must check whether all of the Fibre Channel targets are available through the fabric interconnect at VSAN 200. Which command must you use?

- A. show npvflogi-table
- B. show flogi-table
- C. show flogi database
- D. show zoneset active VSAN 200

**Answer:** A

**QUESTION 163**

Which names are reserved when custom roles are created in Cisco UCS Manager RBAC?

- A. network-admin, network-operator, vdc-admin, vdc-operator, and server-admin
- B. cisco, cisco123, cisco-operator, cisco-admin, and root
- C. ucs-admin, ucs-operator, server-admin, server-operator, and cisco-admin
- D. ucs, ucs123, server-admin, server-operator, and sysroot

**Answer:** A

**QUESTION 164**

A customer starts an Auto Install upgrade process. During the process, the customer selects the wrong firmware version. Which action rolls back to the previous firmware version as quickly as possible?

- A. Cancel the process by using the Cisco UCS Manager.
- B. Wait for the upgrade to complete, and then roll back the configuration.
- C. Wait for the upgrade to complete, and then downgrade.
- D. Cancel the process by using the CLI.

**Answer:** C

**QUESTION 165**

You must check the path that vNICs uses to communicate. How can you verify whether a vNIC on a Cisco UCS server is in an active state or a failover state?

- A. Run the show interface brief command.
- B. Connect to the adapter and execute the Master Control Program.
- C. Compare the state on both fabric interconnects.
- D. Run the show interface status command.

**Answer:** C

**QUESTION 166**

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

**QUESTION 167**

You upgrade an operating system on a Cisco UCS C-Series Rack Server. After the upgrade, you discover that the performance of the server is much slower than expected. You verify that the operating system is on the Cisco support matrix for the rack server. Which two firmware types are the possible cause of the performance issue? (Choose two.)

- A. fNIC
- B. eNIC
- C. mptspi
- D. vNIC
- E. vSwitch

**Answer:** AB

**QUESTION 168**

You have an unresponsive blade server. You suspect that there is an issue with the current firmware. Which action do you take to reboot the server from the Cisco UCS Manager GUI?

- A. Reset the server.

- B. Reset CIMC.
- C. Reset BMC.
- D. Recover the corrupt BIOS.

**Answer:** B

**QUESTION 169**

How many FSM tasks can run concurrently on a server?

- A. 1
- B. 2
- C. 4
- D. 16

**Answer:** A

**QUESTION 170**

You have remote CLI access using SSH to the Cisco UCS equipment of a customer. Which command must you use to check for system errors in the UCS domain?

- A. show fault
- B. show cluster
- C. show chassis
- D. show failover

**Answer:** A

**QUESTION 171**

You are troubleshooting a remote Cisco UCS environment that has Cisco UCS 2208 I/O Modules. Some of the links from the IOMs to the UCS Fabric Interconnect fail to work as expected. You check whether the SFP is in place and the state of the IOM ports. Which command do you use to view the MAC and PHY status to determine whether the SFP is detected in the IOM?

- A. show platform software redwood oper
- B. show platform software woodsideoper
- C. show platform software woodsidesests
- D. show platform software redwood post

**Answer:** B

**QUESTION 172**

When should an operating system driver be installed or updated?

- A. during a Cisco UCS firmware update
- B. during an operating system update
- C. after reviewing the Cisco UCS B-Series Hardware and Software Interoperability Matrix and reacting accordingly
- D. when you connect the new storage system

**Answer:** C

**QUESTION 173**

Refer to the exhibit. Which interface is configured as a management interface for the Cisco UCS chassis?

```
eth0 Link encap:Ethernet HWaddr 00:05:9B:28:F6:00
 inet addr:10.68.68.138 Bcast:10.255.255.255 Mask:255.255.255.128
 UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
 RX packets:106649126 errors:0 dropped:0 overruns:0 frame:0
 TX packets:65396757 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:1000
 RX bytes:36077248749 (33.5 GiB) TX bytes:20518952142 (19.1 GiB)
 Base address:0x8020 Memory:fcaa0000-fcac0000

eth1 Link encap:Ethernet HWaddr 00:05:9B:28:F6:01
 BROADCAST MULTICAST MTU:1500 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)
 Base address:0x8000 Memory:fca40000-fca60000

eth2 Link encap:Ethernet HWaddr 00:05:9B:28:F6:03
 UP BROADCAST RUNNING PROMISC ALLMULTI MULTICAST MTU:9216 Metric:1
 RX packets:94193864 errors:0 dropped:0 overruns:0 frame:0
 TX packets:67795040 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:1000
 RX bytes:34700123260 (32.3 GiB) TX bytes:44609130236 (41.5 GiB)
 Base address:0x6020 Memory:fc8a0000-fc8c0000

vlan4047 Link encap:Ethernet HWaddr 00:05:9B:28:F6:04
 inet addr:127.9.0.1 Bcast:127.9.255.255 Mask:255.255.0.0
 UP BROADCAST RUNNING MTU:1496 Metric:1
 RX packets:5210 errors:0 dropped:0 overruns:0 frame:0
 TX packets:14617 errors:0 dropped:0 overruns:0 carrier:0
 collisions:0 txqueuelen:0
 RX bytes:2259502 (2.1 MiB) TX bytes:15350935 (14.6 MiB)
```

- A. eth0
- B. vlan4047
- C. eth1
- D. eth2

**Answer:** A

**QUESTION 174**

A customer calls in a trouble ticket and explains that after a power failure, the UPS was discovered to be defective and the Cisco UCS C210 M2 server running Windows 2008 R2 went down without proper shutdown. After restarting the server, you discover the RAID 5 array rebuilding parity. Which write-cache settings on the LSI MegaRAID 9260-4i controller explain this

symptom?

- A. write back
- B. write through
- C. write back with BBU
- D. no write cache
- E. no hot spare

**Answer:** A

**QUESTION 175**

Which is the cause of the disk being unavailable, during the installation of ESXi on a C- Series UCS server the logical 4TB disk for the installation client?

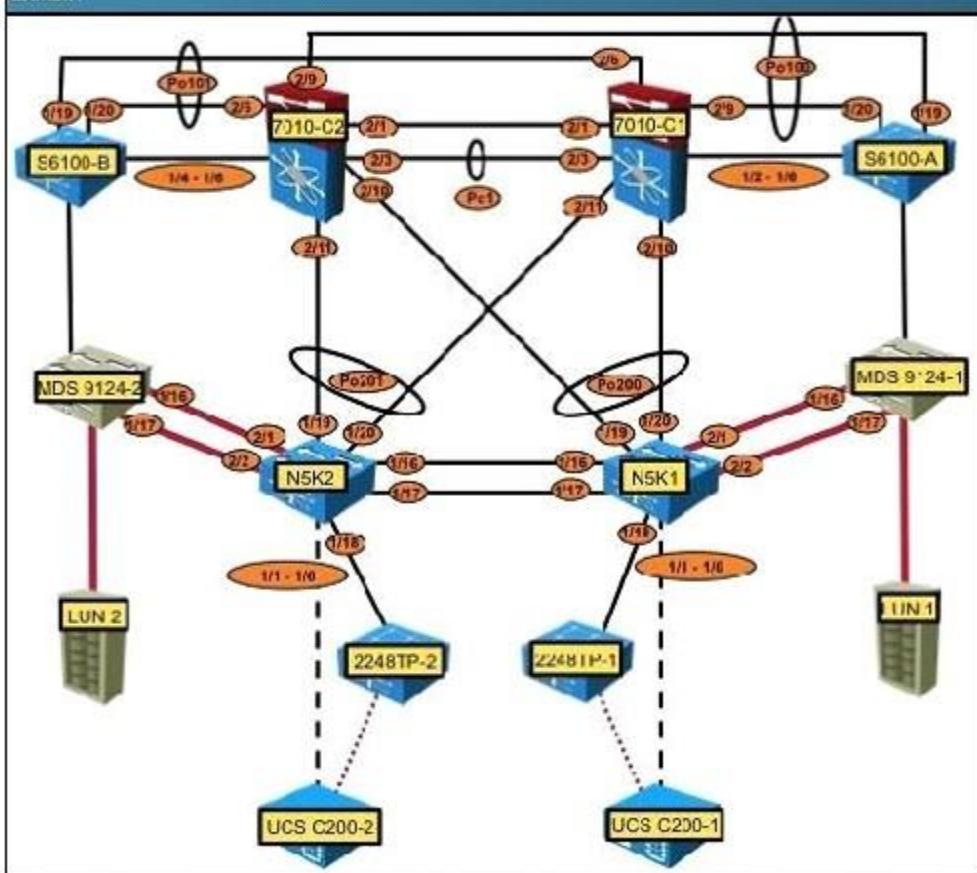
- A. The logical drive was created using the Embedded Software Raid Controller
- B. VMware requires the LSI Drivers to be installed first
- C. The logical drive is in RAID0
- D. The logical drive is not available as RAID has not completed building

**Answer:** A

**QUESTION 176**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Instructions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="button" value="X"/> |
| <ul style="list-style-type: none"><li>• Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.</li><li>• <b>THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.</b></li><li>• Click on the Console PC to gain access to the console of the router. No console or enable passwords are required.</li><li>• To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.</li><li>• There are four multiple-choice questions with this task. Be sure to answer all four questions before clicking the Next button.</li></ul> | <input type="button" value="X"/> |
| <b>Scenario</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="button" value="X"/> |
| 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 <b>show</b> commands to answer the items. Access to the running configuration is not allowed.                                                                                                                                                                                                                                                                                                                                                       |                                  |

Exhibit1



Which statement is true regarding the port channel 100 and 101 configurations between the Nexus 7000 switches?

- A. The vPC assignments on N7010-C2 are incorrectly swapped
- B. N7010-C1 is not allowing any active VLAN traffic to pass on Po100 and Po101.
- C. LACP is not configured to initiate negotiations.
- D. The vPC peer-keepalive is down between the two Nexus 7000 switches.

**Answer:** A

**Explanation:**

The vPC assignments on N7010-C2 are incorrectly swapped. The "show vpc" command will show you that the keepalives are active, and that there are active VLANs. The "show port-channel summary" command shows that LACP is enabled.

#### QUESTION 177

Which command can you use to determine if the member ports share the appropriate parameters in order to join a port channel?

- A. show port-channel summary
- B. show port-channel usage
- C. show port-channel compatibility-parameters
- D. show port-channel load-balance

**Answer:** C

**QUESTION 178**

Refer to the exhibit. The server port connected to the NPV edge switch does not come online. Which action should fix the problem?

```
switch# sh int fc2/7
fc2/7 is down (NPV upstream port not available)
Hardware is Fibre Channel, SFP is short wave laser w/o OFC (SN)
Port WWN is 20:47:00:0d:ec:a4:3b:80
Admin port mode is F, trunk mode is off
snmp link state traps are enabled
Port vsan is 99
Receive data field Size is 2112
switch# show vsan membership
vsan 1 interfaces:
fc2/1 fc2/2 fc2/3 fc2/4
fc2/5 fc2/6 san-port-channel 200
vsan 99 interfaces:
fc2/7 fc2/8
```

- A. Move the NP ports on the NPV edge and the F ports on the NPIV into the same VSAN 99.
- B. Move the NP ports on the NPV edge and the F ports on the NPIV in the default VSAN 1.
- C. Move all the ports into VLAN 1.
- D. Move all the ports into VSAN 99.
- E. Move all the ports into VLAN 99.

**Answer:** A

**QUESTION 179**

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

**QUESTION 180**

Which two occurrences happen during an ISSU? (Choose two.)

- A. FLOGI/fdisc or logo requests from servers fail until the ISSU is complete.
- B. The time-to-live value for CDP is increased (360 seconds) if it is less than the recommended timeout value.

- C. LACP is not affected because ISSU should not impact peers that rely on LACP because the recovery time is less than 90 seconds.
- D. NTP sessions stay alive and active.
- E. The control plane is offline for up to 300 seconds.

**Answer:** AC

**QUESTION 181**

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

**QUESTION 182**

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

**QUESTION 183**

Refer to the exhibit. You configure a vPC between two Cisco Nexus 7010 Switches. The peer link will not come up.

What is the problem?

```
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
```

- A. The vPC domain numbers must be different.
- B. The role priority must be the same.
- C. The system priority must be the same.
- D. The configuration is incorrect.

**Answer:** C

#### **QUESTION 184**

FCoE appears to be properly configured. Which two steps should you take to verify the FCoE configuration? (Choose two.)

- A. Run the feature fcoe command.
- B. Verify that the jumbo MTU is properly set.
- C. Ensure that the license has been applied.
- D. Utilize the proper CoS values on each side.

**Answer:** BD

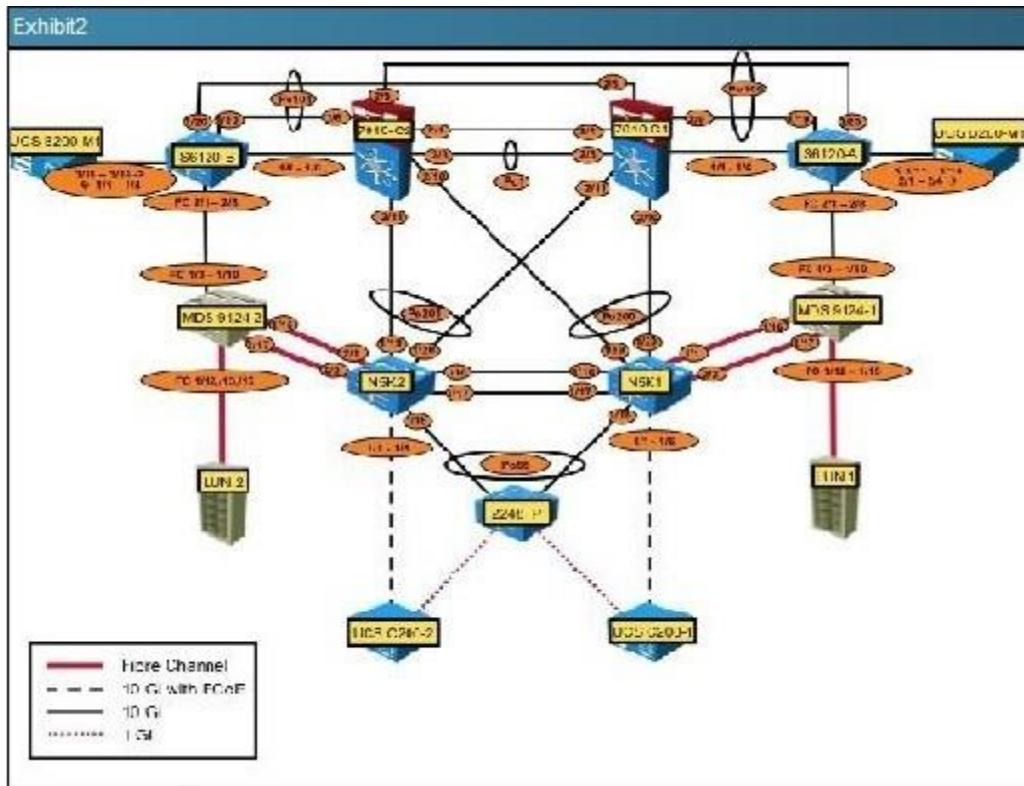
#### **QUESTION 185**

**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.



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

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

**Answer:** D

#### QUESTION 186

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

```
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 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

**QUESTION 187**

Which option describes why the merge status for any application shows "In Progress" for a prolonged period of time when a new switch is added to the fabric?

- A. The new switch must be upgraded to match the same version of code as the original switch.
- B. The ports between the switches are not trunking all VSANs.
- C. The application needs to be started on both switches.
- D. There are outstanding changes that must be committed.
- E. The merge status cannot occur until a copy running-config startup-config is done.

**Answer:** D

**QUESTION 188**

Refer to the exhibit. VSAN traffic is not being routed through SAN fabric.

Which action is helpful to resolve the problem?

```
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
```

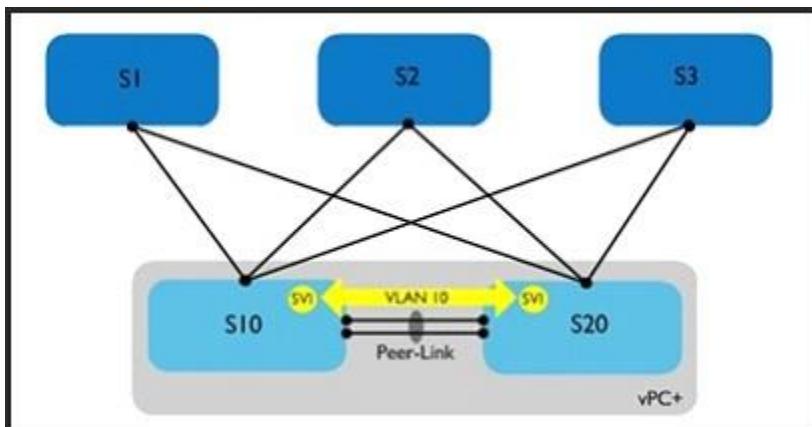
- A. Make sure that the FSPF hello interval value matches on both switches.
- B. Change the FSPF hello timer back to the default of 5 seconds.
- C. Make sure that the FSPF hello timers are different so that they do not compete.
- D. Make sure that the FSPF dead timers are both set to 0.

**Answer:** A

**QUESTION 189**

Refer to the exhibit. An administrator sets up a FabricPath network. The administrator tries to ping between two SVI interfaces on the leaf switches 10 and 20, but it fails.

What caused the pings to fail?



- A. Switches S10 and S20 do not have F2 modules.
- B. The vPC peer gateway must be enabled on switches S10 and S20.
- C. Switches S1, S2, and S3 should be interconnected directly.
- D. VLAN 10 is not enabled on the spine switches (S1, S2, and S3).
- E. Layer 3 over a vPC+ peer link is not supported.

**Answer:** D

#### QUESTION 190

Which statement is true regarding LACP configuration?

- A. With LACP, you can bundle up to 16 interfaces in a channel group.
- B. LACP configuration is global and can be only configured by admin.
- C. After removing LACP configuration, you need to reboot the device.
- D. You can disable LACP while any LACP configurations are present.

**Answer:** A

#### QUESTION 191

Refer to the exhibit. Customer encounters the problem as shown in the exhibit. What is the cause of the problem?

```
switch# show npv status

npiv is enabled

Server Interfaces:
=====
Interface: fc1/6, VSAN: 1, NPIV: No, State: Waiting for FLOGI

Number of Server Interfaces: 7
```

- 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. Multiple external links must be up for the server to come up.
- D. Internal links are down and must be up for the server interface to be up.

**Answer:** A

**QUESTION 192**

Refer to the exhibit. Which two commands are missing to enable OTV between N7K-A and N7K-B? (Choose two.)

```
N7K-A#

feature otv
otv site-identifier 10
interface overlay 1
 otv control-group 239.1.1.1
 otv data-group 239.1.1.0/29
 otv join-interface ethernet 2/1
 otv extend-vlan 5-10
no shutdown

N7K-B#

feature otv
otv site-identifier 20
interface overlay 1
 otv control-group 239.1.1.1
 otv data-group 239.1.1.0/29
 otv join-interface ethernet 2/1
 otv extend-vlan 5-10
no shutdown
```

- A. otv site-vlan on both N7K's
- B. create vlan 5-10
- C. enable virtual port-channel on vlan 5-10
- D. enable eigrp on both N7K's
- E. enable hsrp feature

**Answer:** AB

**QUESTION 193**

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

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

- B. interface Ethernet1/1  
switchport mode fex-fabric  
channel-group 101
- C. interface Ethernet1/1  
switchport mode access  
switchport access vlan 10  
fex associate 101  
channel-group 101
- D. interface Ethernet1/1  
switchport mode fex-fabric  
fex associate 101  
channel-group 101

**Answer:** D

#### QUESTION 194

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?

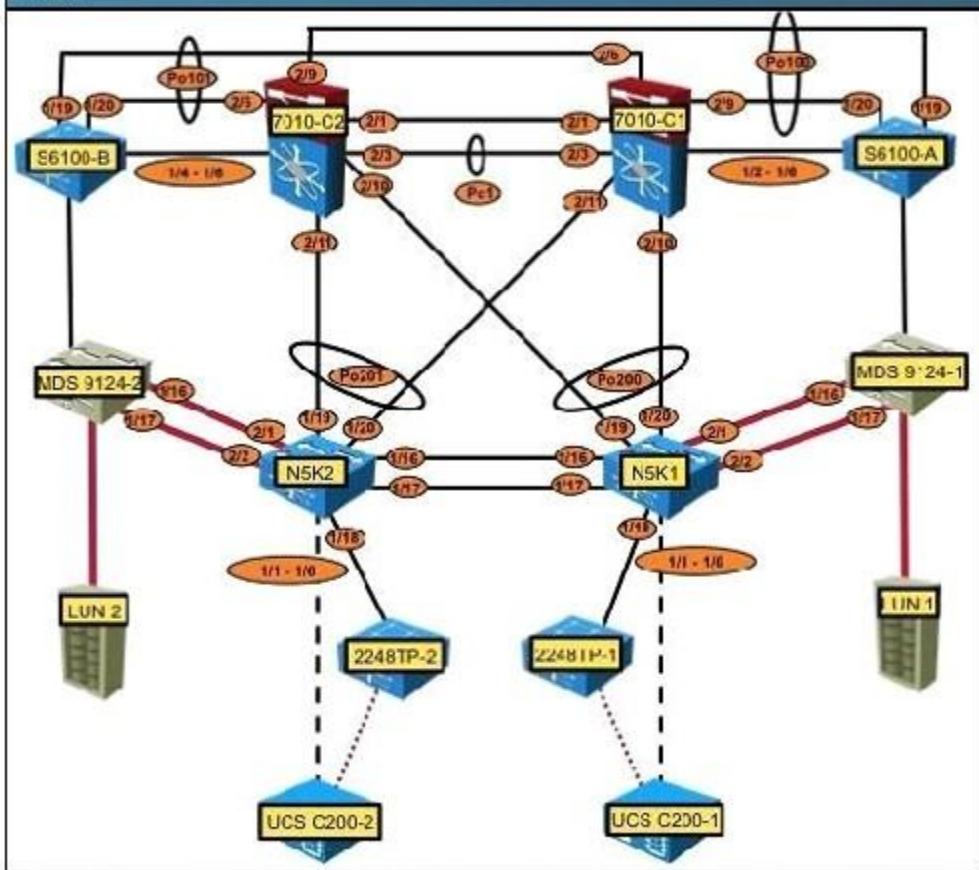
- A. The bound interface should be in an STP forwarding state for the native VLAN only.
- B. The bound interface should be in an STP learning state for both the native VLAN and the member FCoE VLAN that is mapped to the active VSAN.
- C. The bound interface should be in an STP forwarding state for both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

#### QUESTION 195

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Instructions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <ul style="list-style-type: none"><li>• Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.</li><li>• <b>THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.</b></li><li>• Click on the Console PC to gain access to the console of the router. No console or enable passwords are required.</li><li>• To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.</li><li>• There are <b>four</b> multiple-choice questions with this task. Be sure to answer all four questions before clicking the <b>Next</b> button.</li></ul> |                                                                                       |
| <b>Scenario</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| 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 <b>show</b> commands to answer the items. Access to the running configuration is not allowed.                                                                                                                                                                                                                                                                                                                                                                     |                                                                                       |

Exhibit1



It has been determined that unknown unicast, multicast, and broadcast traffic is not correctly being switched through either Nexus 7010 switch.

Which statement best describes the cause of this issue?

- A. No VLANs are allowed across the vPC peer link.
- B. The MST STP is not enabled on either switch.
- C. The default VLAN is inactive.
- D. VTP is not configured to handle this type of traffic.

**Answer:** B

**Explanation:**

The MST STP is not enabled on either switch

From both switches the "show spanning-tree mst" command shows that the switch is not in MST mode.

#### QUESTION 196

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

- A. updated kickstart and system images must be staged in bootflash on single-supervisor switches
- B. updated kickstart and system images must be staged in bootflash on dual-supervisor switches
- C. low version skew
- D. dual supervisors

- E. clock synchronization

**Answer:** AC

**QUESTION 197**

Refer to the exhibit. Which conditions can trigger on a Cisco Nexus device running FabricPath?

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

- A. A switch connected to the Cisco Nexus device is running RSTP instead of STP.
- B. A BPDU 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

**QUESTION 198**

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

**QUESTION 199**

Storage VDC creation has failed. Which two steps should be taken before creating the storage VDC? (Choose two.)

- A. Check that the F1 module has the FCoE license installed.
- B. Check that the FCoE feature is enabled on the N7K.
- C. Check that you have allocated the interfaces of the F module on the VDC.
- D. Check that the network QoS non-drop policy is configured for FCoE traffic.
- E. Check that the FCoE VLANs are allocated on the VDC.
- F. Check that the M2 module has the FCoE license installed.

**Answer:** BD

**QUESTION 200**

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. ovt extend-vlan
- C. ovt site-vlan
- D. ovt use-adjacency-server unicast-only

**Answer:** A

**QUESTION 201**

Refer to the exhibit. An administrator sees this message in the log while merging switch fabrics. What is the issue?

```
%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
```

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

**Answer:** C

**QUESTION 202**

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

**QUESTION 203**

Which two statements about configuring NPV are true? (Choose two.)

- A. Only F, E, and SD ports are supported in NPV mode.
- B. Only targets can be connected to an NPV device.
- C. Distribute the NPV core switch links to different port groups for improved scalability.
- D. If DPVM is configured on the NPV core switch for an end device that is connected to the NPV device, then that end device must be configured to be in the same VSAN.
- E. NPV does not support NPIV-capable module servers (nested NPIV).

**Answer:** CD

**QUESTION 204**

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

**QUESTION 205**

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

**QUESTION 206**

Which statement is true regarding how OTV edge devices will react based on the configuration of the VLANs being extended across the overlay network?

- A. Any VLANs not extended will not be populated in the local OTV route table.
- B. Only the same-site edge AED device controls which VLANs are to be extended.
- C. Any extended VLANs will not be populated in the remote OTV route table.
- D. By default, all VLANs on an edge device will be extended.

**Answer:** A

**QUESTION 207**

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

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/operations/n5k\\_vpc\\_0ps.html#pgfid-424989](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/operations/n5k_vpc_0ps.html#pgfid-424989)

**QUESTION 208**

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

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

**Answer:** C

**QUESTION 209**

Refer to the exhibit. A customer is having difficulty getting NPV working.  
What is the cause of the problem?

```
switch# show npv status

npiv is enabled

External Interfaces:
=====
Interface: ext17, FCID: 0x000000, State: Failed(neighbor on the upstream
port is not fabric)

Number of External Interfaces: 3
```

- A. The core NPV device is not enabled.
- B. The core NPV device is not a switch.
- C. The core NPV device is not configured on both ends.
- D. The core NPV device is not configured on the upstream port.

**Answer:** B

**QUESTION 210**

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

```
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. 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

**QUESTION 211**

Your customer is an ISP providing service to thousands of end customers. Its main concerns are focused on using up the total number of 4096 VLANs per VDC, wasting an unused block of IP addresses, and IP address management. Which technique will address these concerns?

- A. create a separate VDC to scale VLAN limitation and upgrade to Cisco Nexus 7018 Switch
- B. segment VLANs using secondary IP addresses, which will reduce the management domain
- C. create mapping between the VLAN and VSAN to run FCoE to consolidate VLAN and IP addresses
- D. use PVLANS, which will solve the scalability problem and provide IP address management

**Answer:** D

**QUESTION 212**

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

- A. #show copp profile
- B. #show copp diff profile
- C. #show copp status
- D. #show running-config copp
- E. #show policy-map interface control-plane

**Answer:** CD

**QUESTION 213**

To ensure that DCBX can be run on a switch, which other feature must be enabled?

- A. Cisco Discovery Protocol
- B. LLDP
- C. Fibre Channel
- D. IEEE 802.1ad

**Answer:** B

**QUESTION 214**

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

**QUESTION 215**

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

**QUESTION 216**

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

**QUESTION 217**

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

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

**Answer:** B

**QUESTION 218**

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

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

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

**Answer:** A

#### QUESTION 219

A Cisco 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 jumbo frames
- E. use the show process cpu command to see the high CPU utilization

**Answer:** B

#### QUESTION 220

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

#### QUESTION 221

Which two fields should be examined when you use the show ovt overlay command to verify that the overlay interface is enabled and the parameters match on both sides? (Choose two.)

- A. VPN name
- B. VPN state
- C. Control group

- D. Data group range
- E. Join interface
- F. Site VLAN

**Answer:** BC

#### QUESTION 222

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

#### QUESTION 223

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

```

switch(config-if)# show interface brief

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

fc2/3 1 E on isolated swl -- --
switch(config-if)# show interface fc 2/3
fc2/3 is down (Isolation due to no common vsans with peer on trunk)
 Hardware is Fibre Channel, SFP is short wave laser w/o OFC (SN)
 Port WWN is 20:43:00:0d:ec:da:6e:00
 Admin port mode is E, trunk mode is on

```

- 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

#### QUESTION 224

Which two commands will help an administrator identify any issues with an In-Service Software Upgrade? (Choose two)

- A. show cts interface
- B. show incompatibility system

- C. show license file
- D. show install impact all
- E. show install issue-failure

**Answer:** BD

**QUESTION 225**

A customer reports that it cannot establish a vPC peer link 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 three steps are taken to isolate the root cause? (Choose three.)

- A. ask the customer if the link was ever functional
- B. determine whether the fiber-optic cable type (single mode or multimode) matches the X2 modules
- C. swap the fiber-optic cable with one known to be good
- D. swap the transceivers between the two interfaces
- E. swap the ends of the fiber-optic cable

**Answer:** CDE

**QUESTION 226**

When using a Cisco Nexus 5500 and Cisco Nexus 7000 Series Switch, how can a port channel interface be configured?

- A. Layer 3 interface
- B. Layer 3 interface in non-admin VDC only
- C. Layer 3 interface in admin VDC only
- D. Layer 3 interface in VDC 1 only

**Answer:** A

**QUESTION 227**

Which command would you use to find the AED of an extended VLAN in a dual-homed site of an OTV network?

- A. show otv aed on the AED
- B. show otv site on any edge devices in the site
- C. show otv vlan on the AED
- D. show otv aed on any edge devices in the site
- E. show otv vlan on any edge devices in the site

**Answer:** C

**QUESTION 228**

Refer to the exhibit. When your customers have NPV problems, which three actions should you take? (Choose three.)

```
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. Verify that the NPV core switch supports NPIV and that it is enabled.
- B. Verify that all ports are properly configured and connected.
- C. Ensure that the VLAN values are configured on both sides of the NPV core switch.
- D. Verify the status of the servers and external interfaces, using the show npv server status command.
- E. Ensure that the VSAN value that is configured on the device links is correct.
- F. For all the device links, ensure that the port mode on the NPV device is in Full\_port mode.

**Answer:** ABE

**QUESTION 229**

Refer to the exhibit. Customer is having problems with a device in VLAN100.  
What would fix the problem?

```

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
 pwnn 20:00:00:25:b5:00:20:0e [Host]
 * fcid 0x5a0000 (pwnn 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 (pwnn 20:00:00:25:b5:00:20:0e) [Host]
 pwnn 50:0a:09:81:86:78:39:66 [Storage]

```

- 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

### QUESTION 230

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

**QUESTION 231**

Which two statements are true about the OTV otv site-identifier id command? (Choose two.)

- A. It is used to determine if there are other OTV edge devices on the local site.
- B. It is used to identify the site to other OTV sites in the network.
- C. It should be configured in addition to the otv site-vlan command.
- D. It should be configured instead of the otv site-vlan command.
- E. The value should be the same across all OTV sites.

**Answer:** AC

**QUESTION 232**

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

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

**Answer:** C

**QUESTION 233**

You apply a new CoPP profile to a Cisco Nexus 7000 Series, and it stops responding to ping requests. Which option should you check?

- A. server SO
- B. SVI that is associated with the server subnet
- C. CoPP counters
- D. ACL that is associated with the CoPP profile applied

**Answer:** D

**QUESTION 234**

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

**QUESTION 235**

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. CFSoIP
- C. CFSoV
- D. CFSoE
- E. CFSoM

**Answer:** D

#### QUESTION 236

OTV is configured ?test pings confirm that it is working but other tests do not seem to perform well. What is the problem?

- A. VLANs are not properly extended.
- B. The multicast groups are not defined properly.
- C. The transport network is not configured to process the overhead that is introduced by OTV.
- D. The overlay may not be enabled.

**Answer:** C

#### QUESTION 237

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?

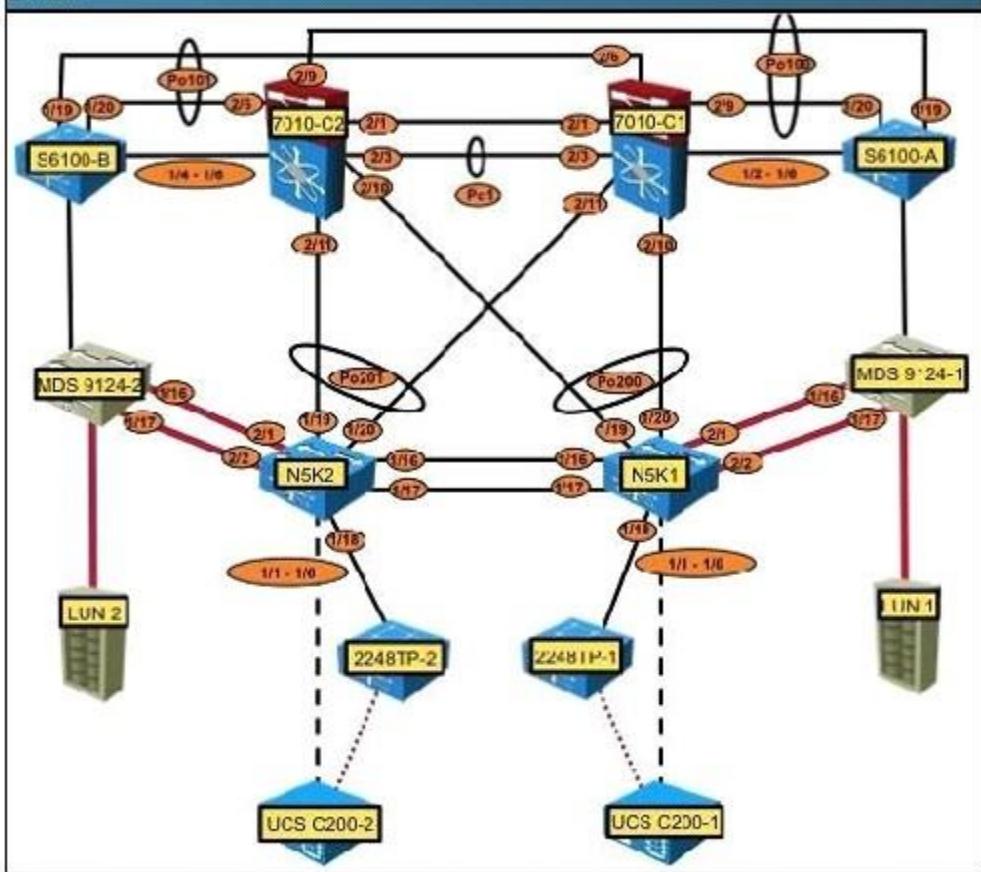
- A. CDP is disabled.
- B. An LACP mismatch exists on the peer interfaces.
- C. UDLD is disabled.
- D. CFSoIP is disabled.
- E. Multicast routing is enabled.

**Answer:** D

#### QUESTION 238

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Instructions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| <ul style="list-style-type: none"><li>• Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.</li><li>• <b>THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.</b></li><li>• Click on the Console PC to gain access to the console of the router. No console or enable passwords are required.</li><li>• To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.</li><li>• There are four multiple-choice questions with this task. Be sure to answer all four questions before clicking the Next button.</li></ul> |                                                                                       |
| <b>Scenario</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 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 <b>show</b> commands to answer the items. Access to the running configuration is not allowed.                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |

Exhibit1



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.

#### QUESTION 239

When configuring LLDP on Cisco Nexus 5548 Switch, what is the purpose of LLDP hold time global configuration command?

- A. LLDP holdtime option is to set the length of time in milliseconds that a device should save LLDP information received before discarding it.
- B. LLDP holdtime option is to set the length of time in seconds that a device should save LLDP information received before discarding it.

- C. LLDP holdtime option is to set the length of time in milliseconds to wait before performing LLDP initialization on any interface.
- D. LLDP holdtime option is to set the length of time in seconds to wait before performing LLDP initialization on any interface.

**Answer:** B

**QUESTION 240**

The installation of a new OTV network connecting two data centers via a service provider LAN has failed verification steps. Which statement explains why certain types of data are not being successfully transferred across the OTV network?

- A. The number of extended VLANs across all configured overlays may be greater than 256.
- B. The number of MAC addresses on either edge device may exceed 4000.
- C. The additional 42-byte OTV overhead, along with the DF bit being set, may cause the service provider to drop packets based on their 1500 MTU settings.
- D. Having more than two edge devices per site is not supported.

**Answer:** C

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/routers/asr-1000-series-aggregation-services-routers/117158-configure-otv-00.html>

OTV adds a 42-byte header with the Do Not Fragment (DF)-bit to all encapsulated packets. In order to transport 1500-byte packets through the overlay, the transit network must support MTU of 1542 or higher. OTV does not support fragmentation.

**QUESTION 241**

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

**QUESTION 242**

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 PAACL is missing.
- D. This cannot be done.

**Answer:** B

**QUESTION 243**

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

```
switch# show npv status

npiv is enabled

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

Number of External Interfaces: 7
```

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

**Answer:** A

**QUESTION 244**

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

**QUESTION 245**

Refer to the exhibit. What are three valid commands to troubleshoot why the port is disabled? (Choose three.)

The **show interface brief** command produces

fc slot/port is down (Error disabled - Possible port channel misconfiguration)

- A. show san-port-channel compatibility-parameters
- B. show port info internal interface fc <slot/port>
- C. show san-port-channel internal info
- D. show port internal event-history interface fc <slot/port>
- E. show interface san-port-channel detail all
- F. show san-port-channel internal event-history all
- G. show internal interface event-history all

**Answer:** ADF

**QUESTION 246**

Refer to the exhibit. Which two options are causes of the error when setting up VM-FEX on the Cisco UCS B-Series Blades? (Choose two.)

The screenshot shows a 'Status' window with the following details:

- Overall Status:** ⚠ Config Failure
- Status Details:**
  - Desired Power State: ⬆ Up
  - Assoc State: ⬆ Associated
  - Assigned State: ⬆ Assigned
  - Configuration Error:  
**not enough vNIC available connection-placement**  
**There are not enough resources overall**

- A. Dynamic vNICs are not supported on the version the admin is running.
- B. The network adapter in the blade does not support dynamic vNICs.
- C. Too many dynamic vNICs are configured.
- D. Dynamic vNICs are not required for VM-FEX.
- E. The dynamic vNIC connection policy was never applied to the service profile.

**Answer:** BC

**QUESTION 247**

On a Cisco Nexus 5000 switch that runs in NPV mode, what is the correct command to view logged-in devices?

- A. show flogi database
- B. show npv flogi-table
- C. show npv status
- D. show npv device-login
- E. show fcns flogi-database

**Answer:** B

**QUESTION 248**

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

**QUESTION 249**

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

**QUESTION 250**

Refer to the exhibit. 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.)

```
*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. misconfigured fabric timers

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

**Answer:** ABF

**QUESTION 251**

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

**QUESTION 252**

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

**QUESTION 253**

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

**QUESTION 254**

Refer to the exhibit. Which two issues cause a problem with the implementation of an OTV between data centers? (Choose two.)

```
interface Overlay1
otv join-interface port-channel101
otv control-group 239.1.1.1
otv data-group 239.1.1.0/24
otv extend-vlan 100-110
!
interface port-channel 101
mtu 9216
ip address 172.31.2.2/30
ip igmp version 2
```

- A. incorrect control-group address
- B. incorrect data-group range
- C. overlapping control-group and data-ranges
- D. incorrect MTU
- E. incorrect IGMP version

**Answer:** CE

**QUESTION 255**

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

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

**Answer:** BD

**QUESTION 256**

Refer to the exhibit. What command should you execute next in resolving a lock failure?

```

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

```

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

**Answer:** B

#### QUESTION 257

In order to fulfill the requirement to prevent the creation of end-to-end loops across a multihomed OTV network that connects two different data centers, what is the solution to this problem?

- A. prioritize the transmission of STP BPDUs across the overlay
- B. design the DCI connectivity as a hub and spoke
- C. define a conservative TTL for all packets traversing the OTV network
- D. enable AED on a per-VLAN basis between each OTV edge device with the same site ID

**Answer:** D

#### QUESTION 258

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. A Cisco Fabric Services database lock has prevented the merge.

**Answer:** C

**QUESTION 259**

Which private VLAN port type allows for the least amount of communication from that port to others?

- A. protected
- B. isolated
- C. community
- D. promiscuous

**Answer:** B

**QUESTION 260**

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

**QUESTION 261**

Refer to the exhibit. A customer is having a problem with NPV.  
Which of these is the cause of the problem?

```
switch# show npv status

npiv is enabled

Server Interfaces:
=====
Interface: fc1/6, VSAN: 1, NPIV: No, State: Waiting for External Interface

Number of Server Interfaces: 7
```

- 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. Multiple external links must be up for the server to come up.
- D. Internal links are down and must be up for the server interface to be up.

**Answer:** B

**QUESTION 262**

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

**QUESTION 263**

What are three situations that may cause an ISSU failure? (Choose three.)

- A. A module is removed while the upgrade is in progress.
- B. A proper ISSU license is not in place.
- C. The device has a power disruption while the upgrade is in progress.
- D. A line card is in a failure state.
- E. The specified system and kickstart images are not compatible.
- F. The management interface is not in the correct VRF.
- G. The secondary supervisor is not installed.
- H. The redundancy force-switchover command was used during the ISSU.

**Answer:** CDE

**QUESTION 264**

NPV mode is not operating properly on a Cisco Nexus or Cisco MDS Series Switch. What are two reasons? (Choose two.)

- A. An uplink NP port is stuck initializing.
- B. The VSAN does not match at each end of the connection.
- C. The VLAN does not match at each end of the connection.
- D. The license is invalid.

**Answer:** AB

**QUESTION 265**

Refer to the exhibit. When suspending or deleting VSANs, which three statements are true? (Choose three.)

```
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. You can delete only one VSAN at a time.
- B. You must wait 60 seconds after you enter the vsan suspend command before you enter another command.
- C. You must wait 120 seconds after you enter the vsan suspend command before you enter another command.
- D. You can unsuspend only one VSAN at a time.
- E. You can delete multiple VSANs as long as they are in the same domain.
- F. You can delete multiple VSANs as long as they are in the same zone.

**Answer:** ABD

**QUESTION 266**

Which CLI command can tell which switch is on the other side of port channel 2 that is trunking VSAN 5?

- A. show topology vsan 5
- B. show interface port-channel 2 trunk vsan 5
- C. show interface port-channel 2 vsan 5 peer-info
- D. show fcs vsan 5
- E. show fspf database vsan 5 interface port-channel 2

**Answer:** A

**QUESTION 267**

Why do color blocking logic counters increment while the unidirectional packet flow is troubleshooted in a FabricPath topology?

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

**Answer:** D

**QUESTION 268**

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

#### QUESTION 269

Refer to the exhibit. An administrator is deploying FCoE; however, a VFC interface will not come up. The administrator executes the command show platform software fcoe\_mgr info interface vfc and displays the output.

```
vfc19(0x81f479c), if_index: 0x1e000012, RID vfc19
 FSM current state: FCOE_MGR_VFC_ST_DOWN
 PSS Runtime Config:-
 Type: 3
 Bound IF: Eth1/19
 FCF Priority: 128 (Global)

 PSS Runtime Data:-
 IOD: 0x00000000, WWN: 20:12:00:05:9b:1e:41:ff
 Created at: Tue Jun 7 16:03:04 2011
 FC Admin State: up
 Oper State: down, Reason: down
 Eth IF Index: Eth1/19, VDC ID 1
 Remote MAC : 00:00:00:00:00:00
 Vsan: 601
 FIP Capable ?: FALSE
 UP using DCBX ?: FALSE
```

What is the problem?

- A. An incorrect VSAN number is being used.
- B. The connected host does not support FIP.
- C. FCoE is not enabled.
- D. Priority flow control is not being negotiated with the converged network adapter.

**Answer:** B

#### QUESTION 270

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

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

**Answer:** C

**QUESTION 271**

A customer is troubleshooting FCoE in its network and sees pause counters increasing when it runs the command show interface eth1/5. What is the cause of this?

- A. The CNA connected to the switch is sending Xon or Xoff PFC frames.
- B. The HBA connected to the switch is sending Xon or Xoff PFC frames.
- C. Pause counters increase regularly; there is nothing to be concerned about.
- D. A firmware upgrade on the Fibre Channel adapter that is connected to the switch will fix this issue.

**Answer:** A

**QUESTION 272**

While troubleshooting HSRP adjacency, a packet analyzer captures the remote packet with the information: IP 224.0.0.102 with a MAC address of 0000.0C9F.0256.

The DCI local group number is 256.

Which solution resolves the problem?

- A. Request that the remote data center change the HSRP version to V1.
- B. Report the issue as a suspected bug because the group number is correct based on the analyzer.
- C. Request that the remote data center verifies that they do not have an HSRP password configured.
- D. Request that the remote data center to use the correct HSRP group number.
- E. Change the local HSRP version to V1.

**Answer:** D

**QUESTION 273**

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

**QUESTION 274**

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

**QUESTION 275**

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

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

**Answer:** A

**QUESTION 276**

What are the two most common causes of the "SFP validation failed" error on an interface when you attempt to connect a Cisco Nexus 2148T Fabric Extender to a Cisco Nexus 5548UP Switch? (Choose two.)

- A. The port must be in switchport monitor mode.
- B. It is a hardware limitation of the Cisco Nexus 2148T.
- C. The wrong speed is configured on the interface.
- D. The incorrect license has been applied on the Cisco Nexus 5548UP.
- E. The wrong switchport mode is configured on the interface.

**Answer:** CE

**QUESTION 277**

On the Cisco Nexus 7000 Series Switch, what could be the reason why the (config-vlan)#private-vlan primary command fails?

- A. There are not enough resources in the VDC.
- B. You are using a reserved VLAN ID.
- C. The VLAN is a secondary VLAN.
- D. The interface is in the wrong VRF.
- E. The PVLAN feature is not enabled.
- F. The VLAN does not exist.

**Answer:** E

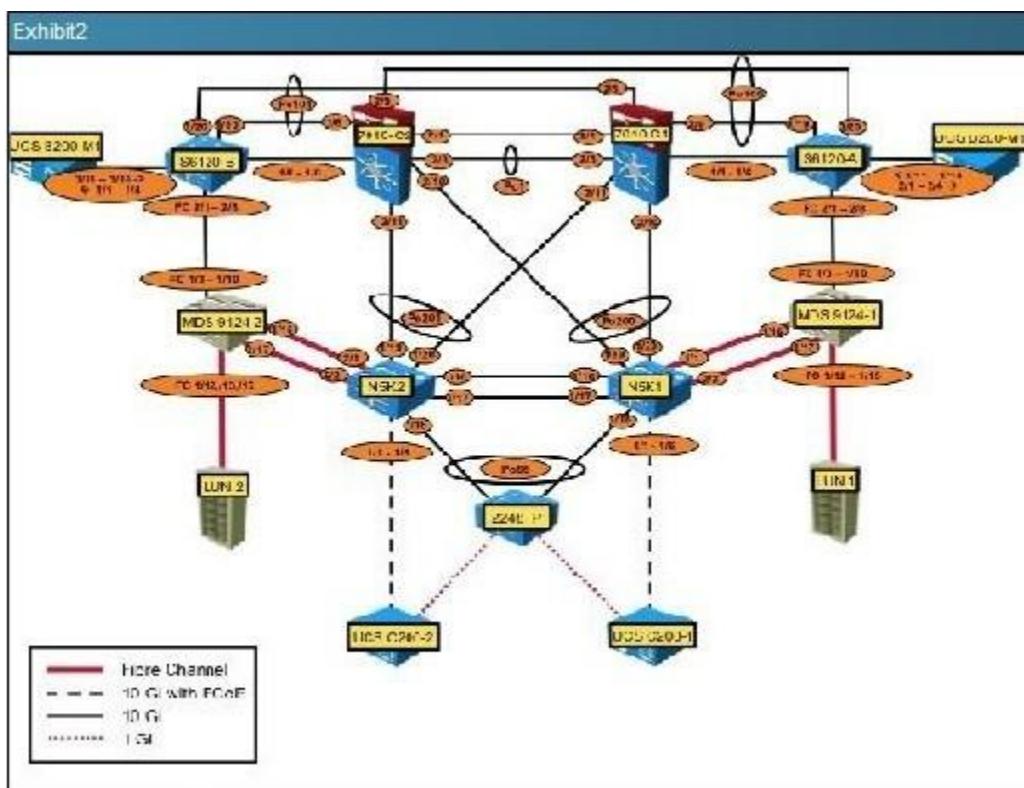
**QUESTION 278**

**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.



The Cisco Nexus 2248 FEX has been added recently to the network via a vPC to the Nexus 5000 switches; however, connectivity is not yet operational. What is the problem with the configuration?

- Both Nexus 5000 switches must associate to the same FEX number
- Each Nexus 5000 should have its own FEX to support a straight-through topology.
- The maximum number of links for pinning purposes should be increased to 2.
- Ethernet1/18 must be configured without a port channel.

**Answer:** D

### QUESTION 279

Which three statements are true about using the debug command to resolve an HSRP issue on the Cisco Nexus platform? (Choose three.)

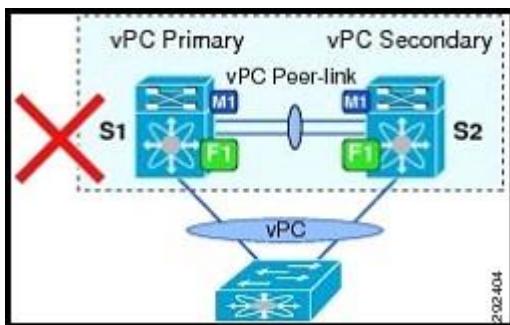
- The debug command should be allowed to run for at least an hour.

- B. The administrator can log debug messages to a special log file to avoid flooding the console.
- C. Open a second Telnet or SSH session before you enter any debug commands so that if the debug session overwhelms the console, you can stop the message output.
- D. Use the debug command only under the guidance of Cisco Technical Support.
- E. Use the Ethanalyzer remote interface command to capture packets.
- F. The debug peer-gateway command should be used to isolate the problem.

**Answer:** BCD

#### QUESTION 280

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.



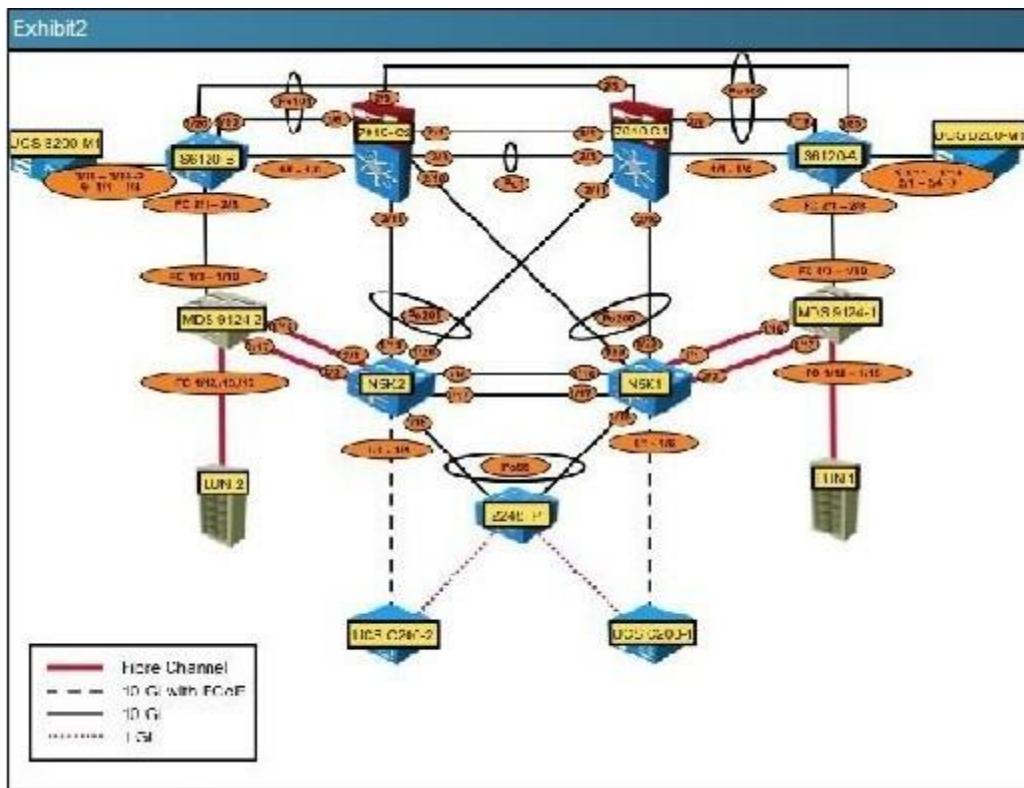
Why is the design described not supported?

- 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

#### QUESTION 281

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <b>Instructions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | X |
| <ul style="list-style-type: none"> <li>• Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.</li> <li>• <b>THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.</b></li> <li>• Click on the Console PC to gain access to the console of the router. No console or enable passwords are required.</li> <li>• To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.</li> <li>• There are <b>three</b> multiple-choice questions with this task. Be sure to answer all three questions before clicking the Next button.</li> </ul> |   |
| <b>Scenario</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | X |
| <p>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 <b>show</b> commands to answer the questions. Access to the running configuration is not allowed.</p>                                                                                                                                                                                                                                                                                                                              |   |



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

- Performance is decreased by half due to the incorrect port type being used.
- The load-balancing scheme for VSAN 12 should be src-id/dst-id.
- B2B credits on N5K2 should be increased to 128.
- A VSAN port channel must be configured between N5K2 and MDS9124-2.

**Answer:** D

#### QUESTION 282

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?

- enable port-channel
- feature trunking-fport
- feature fport-channel-trunk
- port-channel trunk
- feature fport-trunk

**Answer:** C

#### QUESTION 283

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

**QUESTION 284**

What are three reasons that could cause fabric merge problems in a Cisco SAN? (Choose three.)

- A. Failure occurs when a switch supports more than 2000 zones per VSAN but its neighbor does not.
- B. All devices are in the same VSAN.
- C. The merged fabrics contain inconsistent data that could not be merged.
- D. Both host and storage are logged in to the same SAN.
- E. Small configurations may wipe out the large configurations.
- F. The VSAN database is error-disabled.

**Answer:** ACE

**QUESTION 285**

Refer to the exhibit. 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.

| Flags: D - Down P - Up in port-channel (members)<br>I - Individual H - Hot-standby (LACP only)<br>s - Suspended r - Module-removed<br>S - Switched R - Routed<br>U - Up (port-channel)<br>M - Not in use. Min-links not met |              |      |          |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|----------|---------------------|
| Group                                                                                                                                                                                                                       | Port-Channel | Type | Protocol | Member Ports        |
| 20                                                                                                                                                                                                                          | Po20(SD)     | Eth  | LACP     | Eth1/3(s) Eth2/2(s) |

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

**QUESTION 286**

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

**QUESTION 287**

What is one requirement for running FabricPath on a Cisco Nexus 7000 Series switches?

- A. You must have an F Series module
- B. You must run NX-OS version 4.2 to run FabricPath
- C. ISSU needs to be disabled to run FabricPath
- D. LAN\_TRANSPORT\_SERVICES\_PKG license needs to be installed to run FabricPath

**Answer:** A

**QUESTION 288**

Refer to the output. Which command best represents where the control plane configurations are applied?

```
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
```

- 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

**QUESTION 289**

Which two commands can you issue on a Cisco Nexus 5548UP Switch to determine which interfaces are connected to fabric extenders? (Choose two.)

- A. show fex-fabric interface
- B. show fex
- C. show fex fex-id
- D. show fex interface
- E. show fex detail

**Answer:** CE

**QUESTION 290**

A customer reports that a 10-Gb interface between a Cisco Nexus 7009 Switch and a Cisco Nexus 5548UP Switch is not passing traffic. The Nexus 7009 interface indicates up/up. The Nexus 5548UP interface indicates up/down. Which feature should you enable to help isolate the root cause?

- A. CDP
- B. GOLD
- C. UDLD
- D. DAI
- E. LACP

**Answer:** C

**QUESTION 291**

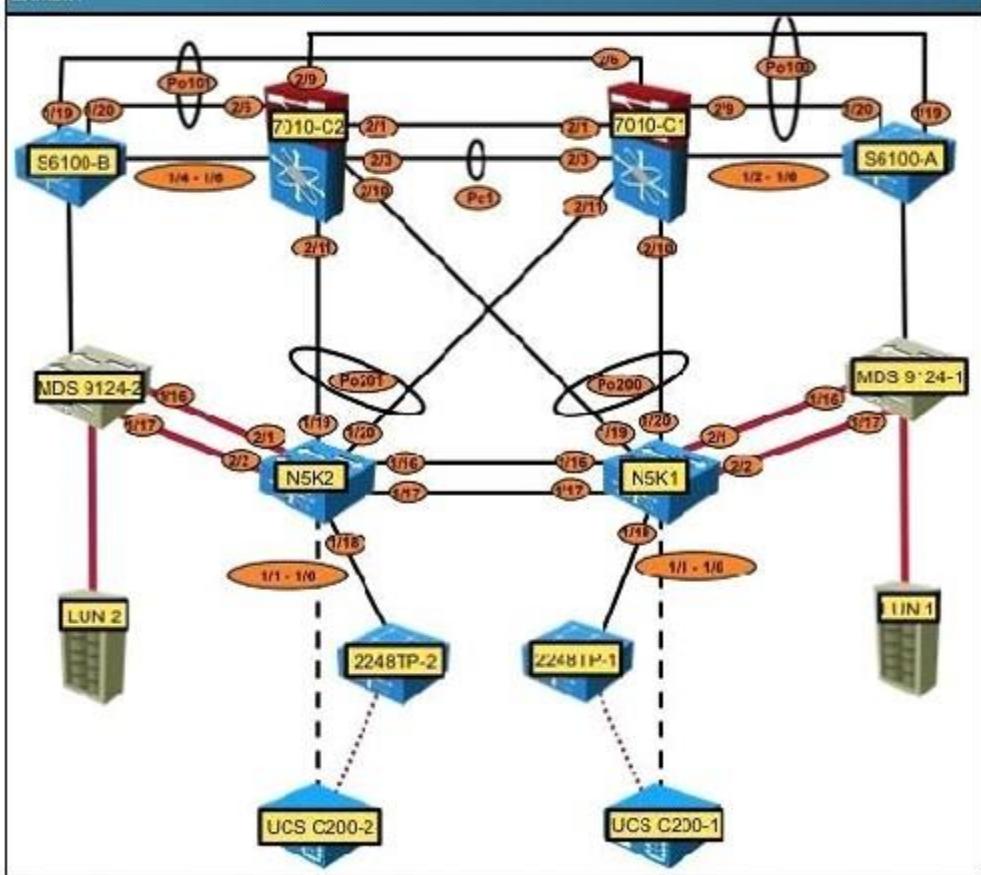
Instructions X

- 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 X

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.

Exhibit1



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

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

**Answer:** A

**Explanation:**

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

#### QUESTION 292

Refer to the exhibit. An administrator is deploying FCoE; however, a VFC interface will not come up.

The administrator executes the command `show platform software fcoe_mgr info interface vfc` and displays the output. What is the problem?

```
vfc19(0x81f479c), if_index: 0x1e000012, RID vfc19
FSM current state: FCOE_MGR_VFC_ST_DOWN
PSS Runtime Config:-
```

```
Type: 3
Bound IF: Eth1/19
FCF Priority: 128 (Global)
```

PSS Runtime Data:-

```
IOD: 0x00000000, WWN: 20:12:00:05:9b:1e:41:ff
Created at: Tue Jun 7 16:03:04 2011
FC Admin State: up
Oper State: down, Reason: down
Eth IF Index: Eth1/19, VDC ID 1
Remote MAC : 00:00:00:00:00:00
Vsan: 601
FIP Capable ?: FALSE
UP using DCBX ?: FALSE
```

- A. Connecting a Cisco MDS switch to a Cisco Nexus switch with Fibre Channel is not supported.
- B. The port must be in the same VSAN.
- C. There is a port type mismatch. They both must be F ports.
- D. The speed must be set to 8 Gbps.
- E. It is still initializing the port on the Cisco Nexus switch.

**Answer:** B

#### **QUESTION 293**

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

```
*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. 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

**QUESTION 294**

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

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

**Answer:** CEF

**QUESTION 295**

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

**QUESTION 296**

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

**QUESTION 297**

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

**QUESTION 298**

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

**QUESTION 299**

Refer to the exhibit. You configure a Cisco Nexus 5000 in NPV mode to enable multiple servers to log in over a single link to the NPIV switch.

```
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
```

Which option describes Why the INTERFACE is stuck on the inibalizing state?

- A. The version Of code does not support the NPV feature.
- B. the Cisco Nexus 5000 switch does not have "feature npv" enabled 144 / 153
- C. The upstream does not have "feature npiv" enabled.
- D. The load balancing is configured incorrectly on CISCO Nexus 5000 SWlitch.

**Answer:** B

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/troubleshooting/guide/N5K\\_Troubleshooting\\_Guide/n5K\\_ts\\_sans.html#pgfId-1024550](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/troubleshooting/guide/N5K_Troubleshooting_Guide/n5K_ts_sans.html#pgfId-1024550)

**QUESTION 300**

Which two options would cause switch fabrics not to merge? (Choose two.)

- A. The swtches have different assigned VSANs on the connecting pons.
- B. The swtches do not have at least one assigned domain ID in common.
- C. The election of the static domain is ony determined by the WWNs of the two switches.
- D. The switches have different assigned VLANs on the connecting ports.
- E. The static domain ID does not override the dynamic ID

**Answer:** AB

**Explanation:**

[https://www.cisco.com/en/US/docs/storage/san\\_switches/mds9000/sw/rel\\_1\\_x/1\\_0\\_3a/troubleshooting/guide/tsht03.html](https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_1_x/1_0_3a/troubleshooting/guide/tsht03.html)

**QUESTION 301**

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:** B

**QUESTION 302**

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

**QUESTION 303**

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

**QUESTION 304**

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

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5\\_2\\_1\\_s\\_v\\_3\\_1\\_1/TroubleshootGuide/n1000v\\_trouble/n1000v\\_TS\\_7mod.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5_2_1_s_v_3_1_1/TroubleshootGuide/n1000v_trouble/n1000v_TS_7mod.html)

### QUESTION 305

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

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

**Answer:** A

**Explanation:**

<https://supportforums.cisco.com/t5/application-centric/logging-packets-dropped-between-epgs/td-p/2585652>

### QUESTION 306

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

- A. Show lldp neighbors
- B. acidiag fnvread
- C. Show lldp neighbors node
- D. acidiag avread

**Answer:** B

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/troubleshooting/b\\_APIC\\_Troubleshooting/b\\_APIC\\_Troubleshooting\\_appendix\\_010001.pdf](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/1-x/troubleshooting/b_APIC_Troubleshooting/b_APIC_Troubleshooting_appendix_010001.pdf)

```
admin@RTP_Apic1:~> acidiag fnvread
```

| ID  | Name       | Serial Number | IP Address       | Role  | State  | LastUpdMsgId |
|-----|------------|---------------|------------------|-------|--------|--------------|
| 101 | rtp_leaf1  | SAL1819SAN6   | 172.16.136.95/32 | leaf  | active | 0            |
| 102 | rtp_leaf2  | SAL172682S0   | 172.16.136.91/32 | leaf  | active | 0            |
| 103 | rtp_leaf3  | SAL1802KLJF   | 172.16.136.92/32 | leaf  | active | 0            |
| 201 | rtp_spine1 | FGE173400H2   | 172.16.136.93/32 | spine | active | 0            |
| 202 | rtp_spine2 | FGE173400H7   | 172.16.136.94/32 | spine | active | 0            |

### QUESTION 307

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

#### **QUESTION 308**

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 resoving in VDC1.What is causing the issue?

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

**Answer:** A

**Explanation:**

Source (CIR applies to all devices):

[https://www.cisco.com/c/en/us/td/docs/routers/asr1000/configuration/guide/chassis/Storm\\_Control\\_ASR1K.html#concept\\_755B67F4C4BA48D29C841394F413770A](https://www.cisco.com/c/en/us/td/docs/routers/asr1000/configuration/guide/chassis/Storm_Control_ASR1K.html#concept_755B67F4C4BA48D29C841394F413770A)

#### **QUESTION 309**

What happens to Copp after you perform an ISSU?

- A. The default Copp 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 Copp policy

**Answer:** C

**Explanation:**

Source (page 12):

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus6000/sw/security/6x/b\\_6k\\_Security\\_Config\\_6x/b\\_6k\\_Security\\_Config\\_602N12\\_chapter\\_01101.pdf](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus6000/sw/security/6x/b_6k_Security_Config_6x/b_6k_Security_Config_602N12_chapter_01101.pdf)

#### **QUESTION 310**

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

```
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)
```

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

**Answer:** A

**Explanation:**

Source (page 2):

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/troubleshooting/guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS\\_Troubleshooting\\_Guide/b\\_Cisco\\_Standalone\\_Series\\_NX-OS\\_Troubleshooting\\_Guide\\_chapter\\_01101.pdf](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/troubleshooting/guide/b_Cisco_Nexus_9000_Series_NX-OS_Troubleshooting_Guide/b_Cisco_Standalone_Series_NX-OS_Troubleshooting_Guide_chapter_01101.pdf)

### QUESTION 311

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

**Explanation:**

Source (Step 3):

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/operations/n5k\\_vpc\\_ops.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/operations/n5k_vpc_ops.html)

### QUESTION 312

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

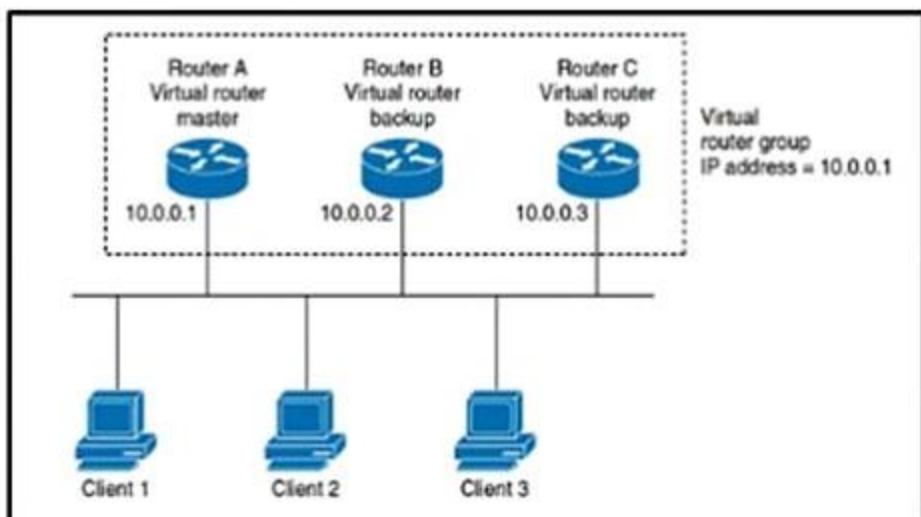
**Answer:** BD

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/1-4/UCSM\\_GUI\\_Configuration\\_Guide\\_1\\_4\\_chapter9.html#concept\\_055CA3D0219B44E0AA215F4F169BBB89](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/1-4/UCSM_GUI_Configuration_Guide_1_4_chapter9.html#concept_055CA3D0219B44E0AA215F4F169BBB89)

### QUESTION 313

Refer to the exhibit.



Which statement about the topology is true?

- A. Traffic to and from LAN clients is sent through the master router only.
- B. Clients 1, Client 2, and Client 3 are configured to have the default gateway IP address of 10.0.0.1.
- C. If Router A fails, the highest interface IP address backup router becomes the master.
- D. Multiple VRRP groups are configured on each router.

**Answer:** B

### QUESTION 314

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

**QUESTION 315**

What the default MTU size of a VMware host?

- A. 1000
- B. 1500
- C. 1550
- D. 9000

**Answer:** B

**QUESTION 316**

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

```
adapter 1/1/1 (fls):# 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
```

- 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:** A

**QUESTION 317**

Which option is the port type of an uplink Fibre Channel port on an NPV edge switch?

- A. E
- B. F
- C. TN
- D. NP

**Answer:** D

**Explanation:**

Source (F port is for server):

<https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli/CLICConfigurationGuide/npv.html>

**QUESTION 318**

What can prevent you from adding an interlace 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

**QUESTION 319**

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

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

**Answer:** AD

**QUESTION 320**

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

The screenshot shows the 'PROPERTIES' dialog box for a host configuration in Cisco APIC. The host name is set to 10.29.177.214. The configuration includes the following fields:

- Description: optional
- Port: 389
- Bind DN: CN=LDAP\_Bind\_User,CN=Users,DC=cisco,DC=com
- Base DN: CN=Users,DC=cisco,DC=com
- Password: (empty field)
- Confirm Password: (empty field)
- Timeout (sec): 30
- Enable SSL:
- Filter: (&(objectclass=person)(cn\$userId))
- Attribute: CiscoAVPair
- SSL Certificate Validation Level:  Strict
- Management EPG: default (Out-of-Band)

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

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/Security\\_config/b\\_Cisco\\_APIC\\_Security\\_Guide/b\\_Cisco\\_APIC\\_Security\\_Guide\\_chapter\\_0100.html#concept\\_10779243214C4B88B5E8C4145D85D9ED](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-x/Security_config/b_Cisco_APIC_Security_Guide/b_Cisco_APIC_Security_Guide_chapter_0100.html#concept_10779243214C4B88B5E8C4145D85D9ED)

### QUESTION 321

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

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/cloud-systems-management/application-policy-infrastructure-controller-apic/119418-config-atomic-00.html>

### QUESTION 322

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 han the Cisco OTV CAM timer.

**Answer:** B

### QUESTION 323

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

```
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 storm suppression bytes
 0 runts 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

HSH# show int e1/15 transceiver
Ethernet1/15
transceiver is present
type is SFP-1000BASE-T
name is CISCO-METHODE
part number is SP7041
revision is D
serial number is 00000NTC104502HG
nominal bitrate is 1300 MBit/sec
Link length supported for copper is 100 m
cisco id is --
cisco extended id number is 4
```

- 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 change to 1000

**Answer:** D

#### **QUESTION 324**

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

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

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/gui/config/guide/2-0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0/b\\_UCSM\\_GUI\\_Configuration\\_Guide\\_2\\_0\\_chapter\\_01001.html#task\\_6260AECB05744B168BD87D54ECCA0079](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/gui/config/guide/2-0/b_UCSM_GUI_Configuration_Guide_2_0/b_UCSM_GUI_Configuration_Guide_2_0_chapter_01001.html#task_6260AECB05744B168BD87D54ECCA0079)

**QUESTION 325**

Which two protocols are important for DCBX to enable the 'no drop' classes that are needed for lossless transmission? (Choose Two.)

- A. PFC
- B. LACP
- C. FIP
- D. LLDP
- E. ETS

**Answer:** AE

**Explanation:**

Source (page 19):

<https://www.cisco.com/c/dam/en/us/products/collateral/storage-networking/mds-9700-series-multilayer-directors/guide-c07-733622.pdf>

**QUESTION 326**

In an IP storage environment, what occurs if you apply a service profile to a server that has an Ethernet-only mezzanine card?

- A. The storage adapter is not visible to the OS
- B. A blade association occurs,
- C. WWPN and WWNN are selected from the default pool
- D. The OS fails to boot

**Answer:** B

**QUESTION 327**

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 m at 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 m at 10 Gb

**Answer:** C

**Explanation:**

Source (table 1):

<https://www.cisco.com/c/en/us/products/collateral/switches/nexus-9000-series-switches/white-paper-c11-729908.html>

**QUESTION 328**

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

**QUESTION 329**

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 VIC adapter firmware version
- B. hcorrect Cisco Nexus firmware version
- C. an SFP transceiver issue
- D. less than three APICs

**Answer:** A

**Explanation:**

<https://quickview.cloudapps.cisco.com/quickview/bug/CSCuq29617>

Cisco Bug: CSCuq29617 - APIC does not discovery ACI leaf due to incorrect VIC 1225 firmware Description (partial)

Symptom:

New install of APIC, and the APIC is unable to discovery that it is attached to an ACI leaf.

Conditions:

The APIC was never successfully attached to an ACI leaf. The APIC has a VIC 1225 network interface card installed, running a version of firmware that does not support the LLDP passthrough. Firmware 2.2(1b) is known to be susceptible, there may be others as well.

**QUESTION 330**

Which action do you take to determine why the interface e1/10 is not present in the core VDC for configuration?

- A. Check the admin VDC to see the port e1/10 is allocated.
- B. Check the core VDC to see if the port e1/10 is allocated.
- C. Check to see if the cable is connected to the e1/10 interface.
- D. Check to see if vPC is enabled

**Answer:** A

**QUESTION 331**

Which occurrence happens during an ISSU in a single supervisor configuration?

- A. The control plane is offline for up to 300 seconds
- B. NTP sessions stay alive and active.
- C. FLOGI/fdisc or logo requests from servers fail until the ISSU is complete.
- D. The time-to-live value for CDP is increased (360 seconds) if it is less than the recommended timeout value.

**Answer:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/upgrade/503\\_N1\\_1/n5k\\_upgrade\\_downgrade\\_503.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/upgrade/503_N1_1/n5k_upgrade_downgrade_503.html)

**QUESTION 332**

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

**Explanation:**

<http://aci-troubleshooting-book.readthedocs.io/en/latest/rest.html>

**QUESTION 333**

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:** A

**Explanation:**

Source (before table 2):

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper\\_c11-697337.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper_c11-697337.html)

**QUESTION 334**

You must identify and isolate traffic loss. Which option do you configure to monitor EPG-to-EPG traffic within a tenant?

- A. SPAN
- B. traffic map
- C. tcpdump
- D. atomic counters

**Answer:** D

**Explanation:**

Atomic counters can be configured to monitor endpoint/EPG to endpoint/EPG traffic within a tenant for identifying and isolating traffic loss.

**QUESTION 335**

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:** A

**QUESTION 336**

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:** C

**QUESTION 337**

Refer to the exhibit. 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?

```
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
```

- 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:** C

#### QUESTION 338

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

```
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. 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

**QUESTION 339**

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

**Explanation:**

<https://www.cisco.com/c/en/us/support/docs/cloud-systems-management/application-policy-infrastructure-controller-apic/118839-technote-visore-00.html>

**QUESTION 340**

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

The screenshot shows two terminal sessions on Cisco Nexus 5000 switches. The top session is for interface Ethernet1/1 on switch nk5-1, and the bottom session is for interface Ethernet1/1 on switch nk5-2. Both interfaces are configured with OSPF and are up. The configuration details for each interface include IP address (10.0.0.1 and 10.0.0.2 respectively), Process ID (100 and 200), VRF default, area 0.0.0.0, and various OSPF parameters like cost (4), timer intervals (Hello 10, Dead 40, Wait 40), and retransmit (5). The output also indicates no authentication and zero opaque link LSAs.

- 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

**QUESTION 341**

How can you identify the blade location when tracing server traffic?

- A. by performing CDP checks on the Cisco UCS Fabric Interconnects
- B. by using a trace utility
- C. by collecting traffic that uses a SPAN monitoring port
- D. by examining the interface to which the server MAC address is connected

**Answer:** D

**QUESTION 342**

A switch is configured with the following command:

```
switch(config) # aaa authentication login default group tacacs+
```

What occurs when an AAA login authentication request fails to communicate with any of the servers in the group?

- A. The authentication request fails.
- B. The local database is used for authentication.
- C. The authentication request is successful.
- D. A server in another server group is used, if present.

**Answer:** A

**QUESTION 343**

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

The screenshot shows a 'Status' interface with the following details:

- Overall Status: Config Failure
- Status Details:
  - Desired Power State: Up
  - Assoc State: Associated
  - Assigned State: Assigned
- Configuration Error: **iSCSI config issues, probably invalid setting for macaddress, vlan, overlay vnic, initiator identity or initiator-target password pair**
- Note: The "Desired Power State" is the Power State of the server set via UCSM. It may be therefore different from the actual value. For the actual server power state click the "Server Details" Tab

- 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:** B

**QUESTION 344**

What the default MTU size of a VMware host?

- A. 1000
- B. 1500
- C. 1550
- D. 9000

**Answer:** B

**QUESTION 345**

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

**QUESTION 346**

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 ISIS Hello packets
- D. OTV adjacency packets

**Answer:** C

**Explanation:**

<https://supportforums.cisco.com/t5/network-infrastructure-documents/troubleshooting-otv-adjacency/ta-p/3118793>

OTV adjacency is formed across the layer 3 multicast clouds by exchanging L1 ISIS Hello packets.

**QUESTION 347**

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

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5\\_2\\_1\\_s\\_v\\_3\\_1\\_1/TroubleshootGuide/n1000v\\_trouble/n1000v\\_trouble\\_21system.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5_2_1_s_v_3_1_1/TroubleshootGuide/n1000v_trouble/n1000v_trouble_21system.html)

**Step 7** On the VSM, restore the configuration for the vCenter server connection. Example:  
switch# config t switch (config)# svs connection VC switch(config-svs-conn#) protocol vmware-vim switch(config-svs-conn#) remote ip address 192.168.0.1 switch(config-svs-conn#) vmware-dvs datacenter-name Hamilton-DC

**Step 8** Connect to vCenter Server.

Example: switch(config-svs-conn#) connect

**QUESTION 348**

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:** C

**QUESTION 349**

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

**QUESTION 350**

Which statement is true about the show cfs merge status name command?

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

**Answer:** D

**QUESTION 351**

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

| 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:** C

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/4\\_0\\_4\\_s\\_v\\_l\\_3/tr](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/4_0_4_s_v_l_3/tr)

**QUESTION 352**

You plan to use OSPFv2 on several Cisco Nexus 9000 Series Switches. Which setting must match on the neighboring switches to establish adjacency?

- A. the LSA arrival time
- B. the dead interval
- C. the last flood scan time
- D. the retransmit interval

**Answer:** B

**QUESTION 353**

After removing a VMM domain from an EPG, you discover that the associated virtual port groups remain in the VMware vCenter configuration. What causes the virtual port groups to persist in the configuration?

- A. The MAC addresses that are learned by the ports of the spine switches are incorrect.
- B. The port groups are being used by a virtual machine network adapter.
- C. The MAC addresses that are learned by the ports of the leaf switches are incorrect
- D. There is a mismatch between the data center name in vCenter and the VMM controller policy.

**Answer:** B

**QUESTION 354**

When troubleshooting VXLAN, which interface is the source of all the encapsulated packets?

- A. VTEP loopback
- B. SVI
- C. VLAN
- D. vPC

**Answer:** A

**QUESTION 355**

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

**QUESTION 356**

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

**QUESTION 357**

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

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

- 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

**QUESTION 358**

Refer to the exhibit. 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?

| S - Switched                      | R - Routed       |      |          |              |
|-----------------------------------|------------------|------|----------|--------------|
| U - Up (port-channel)             |                  |      |          |              |
| M - Not in use. Min-links not met |                  |      |          |              |
| <hr/>                             |                  |      |          |              |
| Group                             | Port-<br>Channel | Type | Protocol | Member Ports |
| 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)  |

- 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:** D

#### QUESTION 359

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:** A

#### Explanation:

Source (before table 2):

[https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper\\_c11-697337.html](https://www.cisco.com/c/en/us/products/collateral/servers-unified-computing/ucs-manager/whitepaper_c11-697337.html)

#### QUESTION 360

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:** BE

#### QUESTION 361

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:** AB

### QUESTION 362

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

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

**Answer:** AD

### QUESTION 363

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
```

What condition is a possible cause of the issue?

- 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

#### QUESTION 364

Refer to the exhibit. Which statement accurately described the output?

```
Leaf1# show endpoint ip 10.2.2.10
Legend:
O - peer-attached H - vtep S - locally-aged S - static
V - vpc-attached p - peer-aged L - local M - span
S - static-arp B - bounce MAC Address MAC Info/
 IP Address IP Info
+-----+-----+-----+-----+-----+-----+
| VLAN/ | Encap | MAC Address | MAC Info/ | Interface
| Domain | VLAN | IP Address | IP Info |
+-----+-----+-----+-----+-----+
| 22 | vlan-10 | 0050.5682.bcdfe | LV | pol3
TENANT1:VRF10 | vlan-10 | 10.2.2.10 | LV |
```

- 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:** B

#### QUESTION 365

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

#### QUESTION 366

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?

```
switch#(config-if)# show interface ethernet 1/1
Ethernet1/1 is down (SFP validation failed)
switch#(config-if)# show interface status

Port Name Status Vlan Duplex Speed Type
----- --- sfpInvali 1 full 1000 10g
Eth1/1 --
```

- 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

#### QUESTION 367

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:** D

#### QUESTION 368

Refer to the exhibit. Which two connectivity options for interfaces Ethernet 7/24-32 are valid?

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

- 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

### QUESTION 369

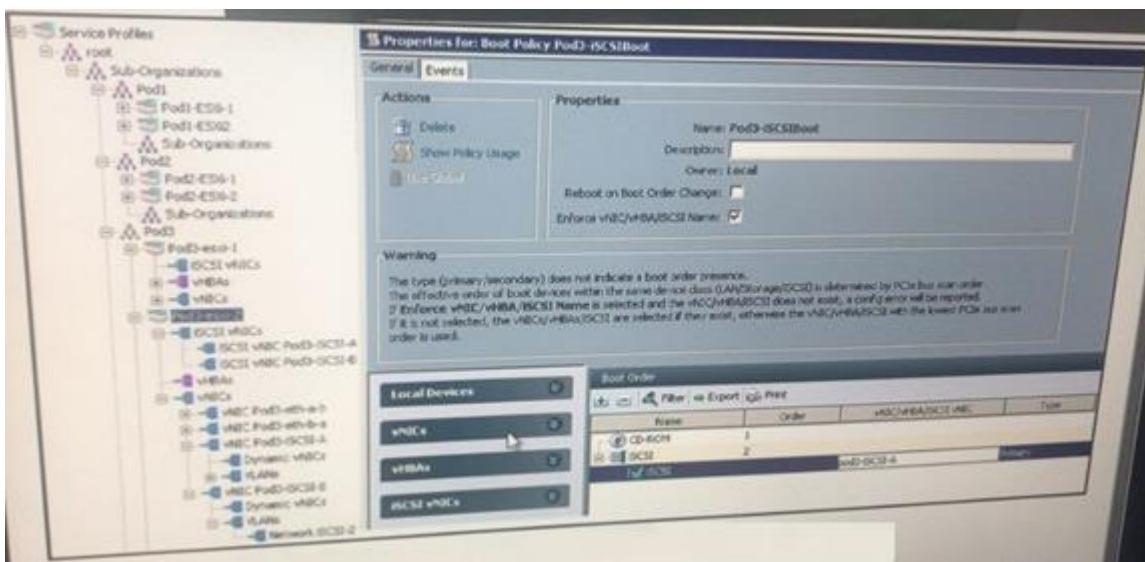
In Cisco UCS, which logs are used to troubleshoot hardware failure?

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

**Answer:** A

### QUESTION 370

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:** B

### QUESTION 371

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:** B

### QUESTION 372

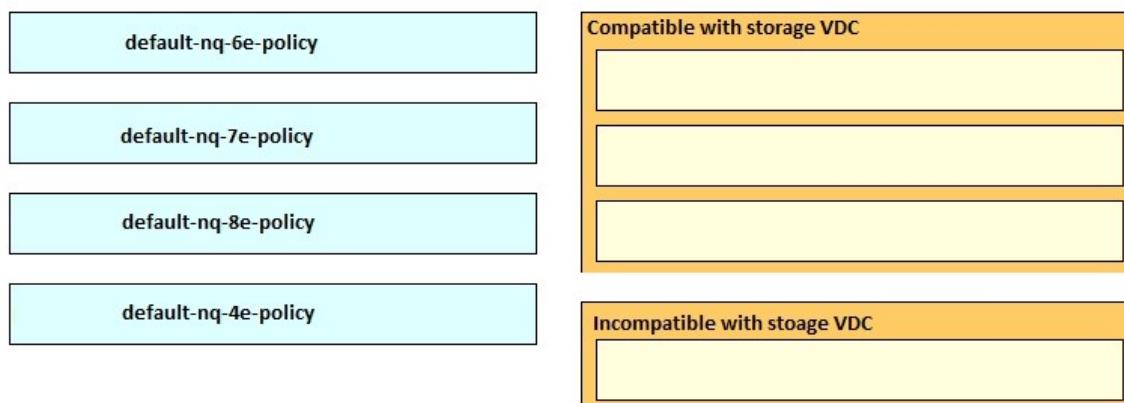
Drag and Drop Question

Refer to Exhibit. You are configuring a FCoE VDC on a Cisco Nexus 7000 Series Switch. You are required to identify compatible QoS policies for the FCoE VDC.

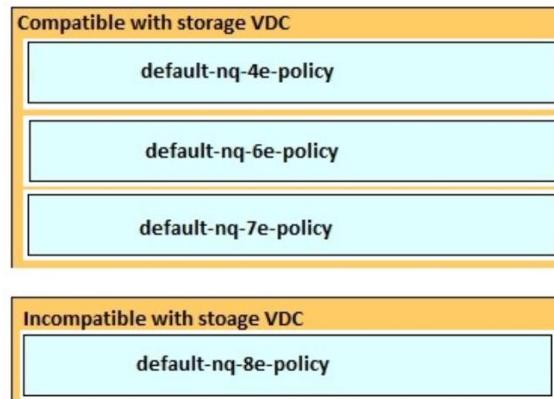
```
CORE-7K1(config)# vdc CORE-FC-SW1 type storage
Note: Creating VDC, one moment please ...
Note: FCoE Enable failed

CORE-7K1(config)# service-policy type network-qos ?
default-nq-4e-policy Default 4-ethernet policy (4-drop 4-nodrop CoS)
default-nq-6e-policy Default 6-ethernet policy (6-drop 2-nodrop CoS)
default-nq-7e-policy Default 7-ethernet policy (7-drop 1-nodrop CoS)
default-nq-8e-policy Default 8-ethernet policy (8-drop CoS)
```

Drag and drop the QoS Policy names from the left onto the correct compatibility categories on the right.



**Answer:**



**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/fcoe/config/cisco\\_nexus7000\\_fcoe\\_config\\_guide/storage\\_vdc\\_on\\_cisco\\_nexus\\_7000\\_series\\_switches.pdf](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus7000/sw/fcoe/config/cisco_nexus7000_fcoe_config_guide/storage_vdc_on_cisco_nexus_7000_series_switches.pdf)

**QUESTION 373**

Drag and Drop Question

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.

**Answer:**

Reboot the switch and press Ctrl+L.

Run dir to find the available images.

Boot the kernel firmware by using the bootflash.

Load the system image.

Update the software version of the fabric interconnect.

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ts/guide/UCSTroubleshooting/UCSTroubleshooting\\_chapter\\_01010.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ts/guide/UCSTroubleshooting/UCSTroubleshooting_chapter_01010.pdf) (page 5)

**QUESTION 374**

Drag and Drop Question

Drag the Cisco UCS Manager maintenance actions on the left to the correct descriptions on the right. Not all options are used.

|                      |                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------|
| Decommission         | Rebuilds the connections to a server when the server is stuck in an unexpected state          |
| Diagnostic Interrupt | Causes Cisco UCS Manager to send an NMI from the CMC                                          |
| Power Cycle          | Causes Cisco UCS Manager to retain a portion of the information about a server for future use |
| Re-acknowledge       | Causes entries for a specific server to be deleted from the UCS databases                     |
| Recover Server       |                                                                                               |
| Remove               |                                                                                               |

**Answer:**

|                      |                |
|----------------------|----------------|
|                      | Re-acknowledge |
| Diagnostic Interrupt | Recover Server |
| Power Cycle          | Remove         |
|                      | Decommission   |
|                      |                |
|                      |                |

### QUESTION 375

Which action removes the system designation from VLAN 70?

```

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# conf t
N1K# port-profile type ethernet uplink-storage
N1K# switchport trunk allowed vlan remove 70

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

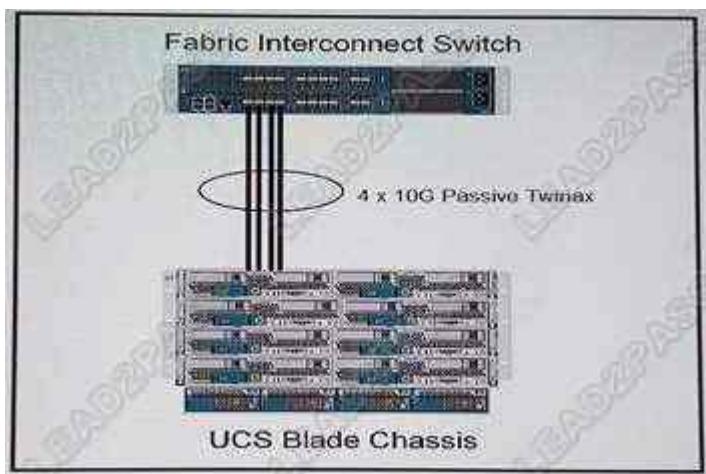
```

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

**Answer:** C

**QUESTION 376**

Refer to the exhibit. Your customer is migrating their existing top-of-rack data center to a new location that uses an end-of-rack configuration. The customer requests a site survey prior to the migration. Which fact must you highlight in your survey that is required for a successful transition?

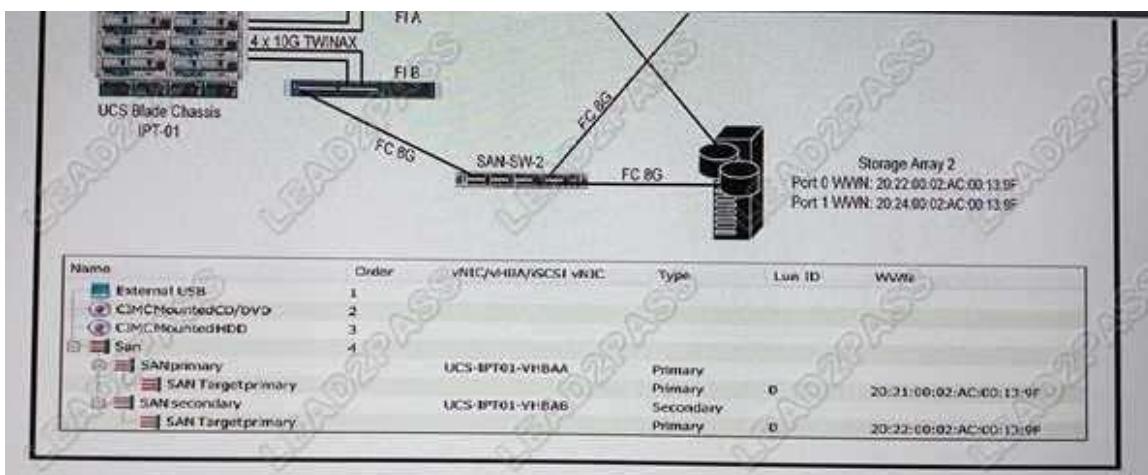


- A. power source must be 240 volts only for blade chassis.
- B. power source must be 240 volts only for fabric interconnect switches.
- C. blade chassis using passive TWNAX cables must be placed within 5 meters of the end rack.
- D. Blade chassis must not be fully equipped with blades when using an end-of-rack setup.

**Answer:** C

**QUESTION 377**

Refer to the exhibit. SAN-SW-1 has failed and must be replaced. Your client reports that all servers are booting from storage array 2 even though storage array 1 is up and reachable by Cisco UCS infrastructure. Which reason is the root cause of the boot anomaly?



- A. SAN target primary under SAN primary must be changed to SAN target secondary under SAN secondary.
- B. San target primary under San secondary must be changed to SAN target secondary under SAN secondary.
- C. SAN target primary under SAN secondary must be changed to SAN target secondary under SAN primary.
- D. SAN target secondary must be added to primary and SAN secondary.

**Answer:** D

### QUESTION 378

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

### QUESTION 379

Refer to the exhibit. 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?

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

- A. Port profile NIK-Uplink-Host3 type must be changed to vethernet
- 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:** D

### QUESTION 380

Which communication 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:** C

**Explanation:**

<https://supportforums.cisco.com/t5/network-infrastructure-documents/troubleshooting-otv-adjacency/ta-p/3118793>

OTV adjacency is formed across the layer 3 multicast clouds by exchanging L1 ISIS Hello packets.

### QUESTION 381

Refer to the exhibit. Which statement describes the output of the command?

```
-# vmsvcd show card
Card UUID type 2: 24266920-d496-11e0-0000-000000000002
Card name:
Switch name: Nexus1000v
Switch alias: DvsPortset-0
Switch uuid: ee 63 3c 50 04 b1 6d e6-58 61 cf ba 56 05 14 fd
Card domain: 27
Card slot: 3
VEM Tunnel Mode: L2 Mode
VEM Control (AIFC) MAC: 00:02:3d:10:1b:02
VEM Packet (inband/outband) MAC: 00:02:3d:20:1b:02
VEM Control Agent (DPA) MAC: 00:02:3d:40:1b:02
VEM SPAN MAC: 00:02:3d:30:1b:02
Primary VSM MAC : 00:50:96:be:74:k1
Primary VSM PRT MAC : 00:50:96:be:62:b4
Primary VSM MGMT MAC : 00:50:96:be:0b:d5
Standby VSM CTRL MAC : 00:50:96: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 Headless Mode : No
Processors: 16
Processor Cores: 8
Processor Sockets: 2
Kernel Memory: 25102148
Post link-up delay: 5s
Global DUPLEX: DISABLED
Heartbeat Set: True
PC LR Algo: source-mac
Datapath portset event in progress : no
Licensed: Yes

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

- 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

### QUESTION 382

Refer to the exhibit. A user named user1 cannot create roles. Which action do you take to resolve the issue?

```

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

**Answer:** B

### QUESTION 383

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 errors occur.
- D. it is implemented and any errors are skipped.

**Answer:** C

### QUESTION 384

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?

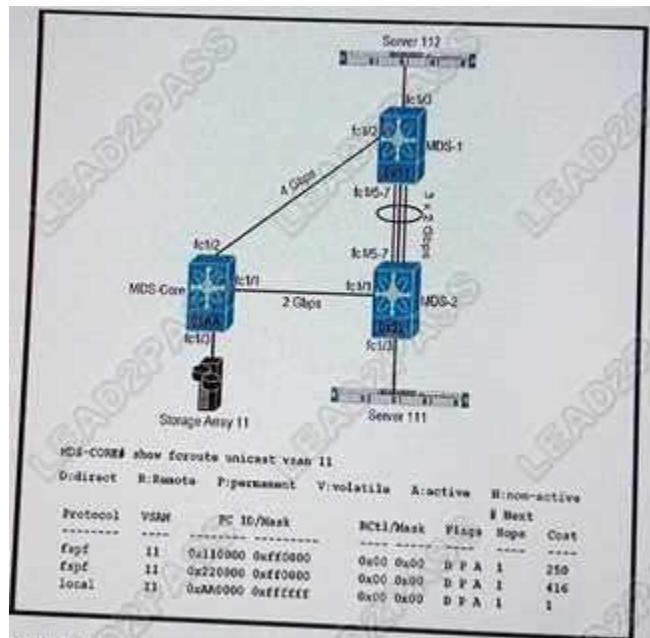
- A. The LDAP client passed an incorrect URL from the trustpoint.
- B. The CA certificate is missing from the trustpoints.

- 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:** B

### QUESTION 385

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 by 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 fc1/1  
MDS-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 1/1  
MDS-Coe(config-if)# fspf cost 60 vsan 11
- D. MDS-Core(config)# interface fc1/1  
MDS-Core(config-if)# fspf cost 70 vsan 11

**Answer:** C

### QUESTION 386

Refer to the exhibit. You have fabric interconnects. You discover that all traffic flows through a fabric interconnect named fabric-interconnect B.

```

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

```

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 OOBP IP address to fabric-interconnect B.
- D. the fabric interconnects have duplicate IP address.

**Answer:** A

### QUESTION 387

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

### QUESTION 388

Refer to the exhibit. All the interfaces on the switch must forward traffic by using VLAN 701. Which action do you take?

```

DC-SWITCH1# show spanning-tree vlan 701
VLAN0701
 Spanning tree enabled protocol rstp
 Root ID Priority 25277
 Address 0024.04aa.be32
 Cost 1
 Port 5596 (port-channel1501)
 Hello Time 2 sec Max Age 14 sec Forward Delay 10 sec
 Bridge ID Priority 33469 (priority 32768 sys-id-ext 701)
 Address 547E.eef7.95bc
 Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
 Interface Role Sts Cost Prio Nbr Type
 Po2 Desg FWD 1 128.4097 (vPC peer-link) P2p
 Po1100 Desg FWD 1 128.5195 (vPC) Edge P2p
 Po1101 Altn BLK 1 128.5196 (vPC) Edge P2p
 Po1102 Altn BLK 1 128.5197 (vPC) Edge P2p
 Po1103 Desg FWD 1 128.5198 (vPC) Edge P2p
 Po1104 Desg FWD 1 128.5199 (vPC) Edge P2p
 Po1105 Desg FWD 1 128.5200 (vPC) Edge P2p
 Po1501 Root FWD 1 128.5596 (vPC) P2p

```

- A. Enable the vPC on port channel 1101 and port channel 1102.
- B. Lower the switch priority such that it becomes the spanning tree root.
- C. Increase the switch priority such that it becomes the spanning tree root.
- D. Allow VLAN 701 on port channel 1101 and port channel 1102.

**Answer:** D

### QUESTION 389

An administrator disassociates the service profile from a server. What happens to the identity and connectivity information for the 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 maintained and can be reused.

**Answer:** B

### QUESTION 390

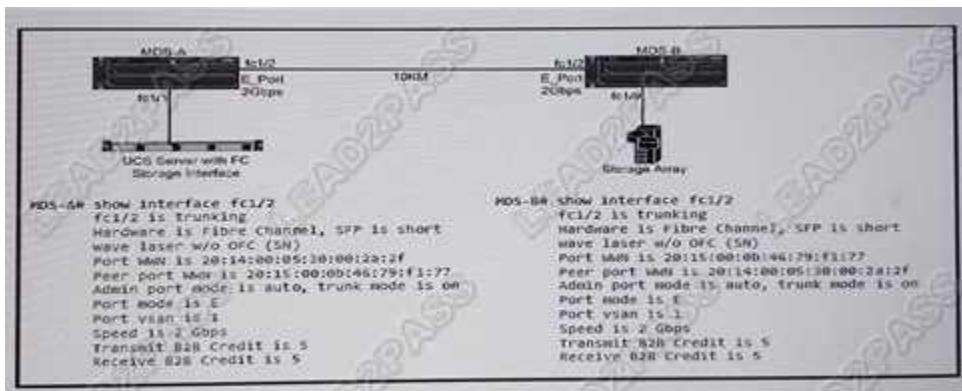
Which method does Cisco recommend for recovering a fabric interconnect when you have no working images on the bootflash?

- 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

### QUESTION 391

Refer to the exhibit. A customer has implemented dark fiber between two Cisco MDS SAN switches. After the network is put into production, the servers in site A experience poor performance when accessing the storage array in site B. While troubleshooting this issue, you discover the buffer credit applied on the interface that connects the MDS switches is incorrect. Which buffer credit value is needed to optimize the performance of the storage array access?



- A. 9
- B. 10
- C. 11
- D. 12

**Answer:** D

### QUESTION 392

Refer to the exhibit. Which action resolves the problem?

```

cisco# show npv status
npiv is enabled
External Interfaces:
Interface: ext11, FCID: 0x000011, State: Other
Number of External Interfaces: 2

```

- A. Disabled NPIV on the switch.
- B. Enabled port mode on the link to the NPV switch.
- C. Configure the correct FC ID on the switch.
- D. Change the VSAN in which the port is located.

**Answer:** B

### QUESTION 393

You upgrade Cisco UCS Director. When you power on the Cisco UCS director VM, the websock service fails to start. Which action do you take to resolve the issue?

- A. Resynchronize the NTP time and time zone information on each node.
- B. Import the correct SSL certificates
- C. After you power on the VM, press Alt-F 1 to refresh the VMware console.
- D. Ensure that the websock service starts automatically after an upgrade.

**Answer:** B

**QUESTION 394**

Refer to the exhibit. 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?

```
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
```

- 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.

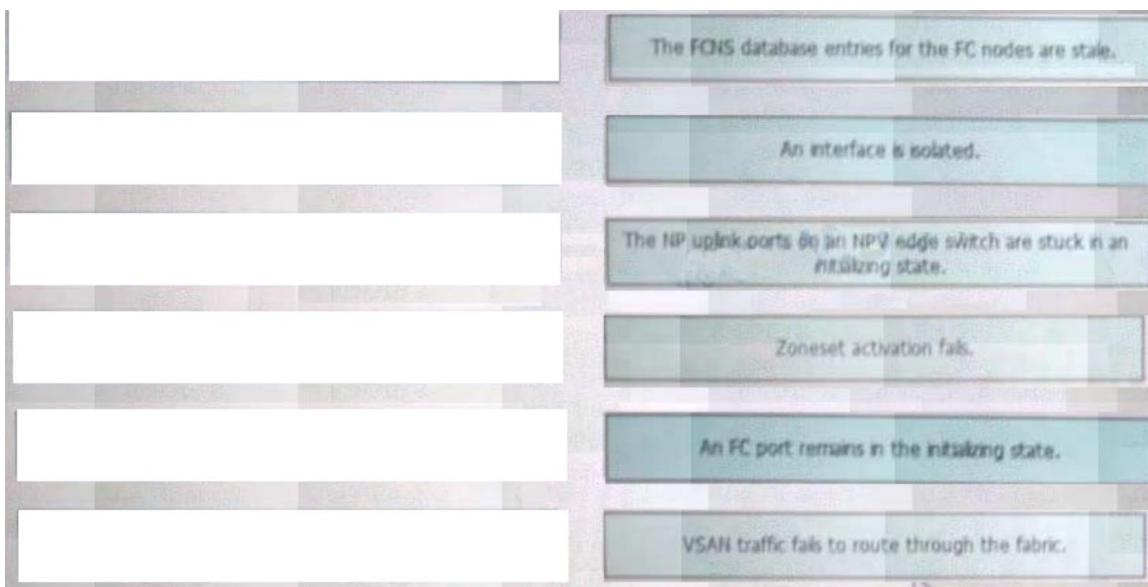
**Answer:** B

**QUESTION 395**

Drag and Drop Question

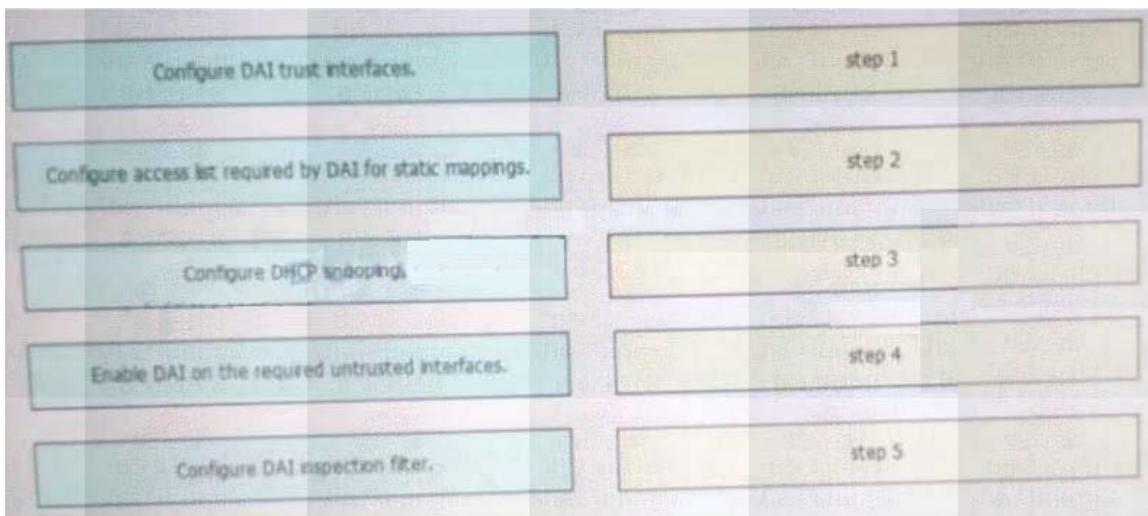
|                                                                              |                                                |
|------------------------------------------------------------------------------|------------------------------------------------|
| An FC port remains in the initializing state.                                | The FC nodes fail to register their FQ4 types. |
| An interface is isolated.                                                    | Two switch fabrics failed to merge.            |
| The FONS database entries for the FC nodes are stale.                        | HPIV must be enabled on the core switch.       |
| The NP uplink ports @ an NPV edge switch are stuck in an initializing state. | Another user has locked the configuration.     |
| VSAN traffic fails to route through the fabric.                              | A remote switch is in bypass mode.             |
| Zoneset activation fails.                                                    | The FSPF hello interval is misconfigured.      |

**Answer:**


**QUESTION 396**

Drag and Drop Question

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


**Answer:**

