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Exam A

QUESTION 1
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.

Correct Answer: C
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 2
Which configuration is needed to suppress duplicate IP addresses when HSRP localization is enabled?

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

Correct Answer: B
Section: (none)
Explanation

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QUESTION 3
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).

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Which three statements are true regarding trunking on an ISL between two switches in order for the VSAN to be trunked? (Choose three.)

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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.

Correct Answer: ABF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
Which command displays the traffic statistics for a port channel interface?

A. show interface port-channel channel-number

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
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.

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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 8
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.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
Refer to the exhibit. A customer is having difficulty getting NPV working. What is the cause of the problem?

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```
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.

Correct Answer: B
Section: (none)

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Explanation

Explanation/Reference:

QUESTION 10
Refer to the exhibit. A customer is having problems with NPV.

```
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
```

Which of these is the cause of the problem?

A. No server was requested or received by the FLOGI database.
B. One external link must be up for server interface to be up.
C. Internal links are down and must be up for the server interface to be up.
D. VSANs are misconfigured on the upstream ports.
E. VLANs are misconfigured on the upstream ports.

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Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
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

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D. use PVLANs, which will solve the scalability problem and provide IP address management

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
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

Correct Answer: CD
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 13
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

Correct Answer: B
Section: (none)
Explanation

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QUESTION 14
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.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
When you ping your new Cisco Nexus 7010 Switch, you see this output:

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

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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.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
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?

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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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
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

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Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
Refer to the exhibit. What is the cause of the ISSU failure when using the command show system internal csm global info?

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```
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 lock 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.

Correct Answer: A
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 19
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

Correct Answer: B
Section: (none)
Explanation

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QUESTION 20
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.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
Which two fields should be examined when you use the show otv overlay command to verify that the overlay interface is enabled and the parameters match on both sides? (Choose two.)

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A. VPN name
B. VPN state
C. Control group
D. Data group range
E. Join interface
F. Site VLAN

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
If no traffic was ever sent across the overlay, what will the show mac address-table command on the OTV VDC indicate?

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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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
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  Speed  Channel
                         Mode                                (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

Correct Answer: AC
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 24
Which three commands will help an administrator identify any issues with an In-Service Software Upgrade? (Choose three.)

A. show cts interface
B. show incompatibility system
C. show license file
D. show install impact all
E. show lacp issu-impact
F. show install issu-failure

Correct Answer: BDE
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 25
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

Correct Answer: CDE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26

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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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
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

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Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
Refer to the exhibit. When your customers have NPV problems, which three actions should you take? (Choose three.)

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```
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.

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Correct Answer: ABE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
Refer to the exhibit. Customer is having problems with a device in VLAN100. What would fix the problem?

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```
switch(config-vsan-db)# show interface brief

--------------------------------------------------------------------------------
Interface  Vsan   Admin  Admin   Status          SFP    Oper  Oper   Port
                  Mode   Trunk                          Mode  Speed  Channel
                         Mode                                (Gbps)
--------------------------------------------------------------------------------
fc2/4      50     E      off     up               swl    E       2    --

switch(config-if)# show interface brief

--------------------------------------------------------------------------------
Interface  Vsan   Admin  Admin   Status          SFP    Oper  Oper   Port
                  Mode   Trunk                          Mode  Speed  Channel
                         Mode                                (Gbps)
--------------------------------------------------------------------------------
fc1fc1/2      100    E      off     up               swl    E       2    --

 switch(config-if)# show topo

 FC Topology for VSAN 100 :
 --------------------------------------------------------------------------------
        Interface  Peer Domain Peer Interface     Peer IP Address
 --------------------------------------------------------------------------------
             fc1/2  0x42(66)      Port 65795    ::

 The zoneset shows one member is not active

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

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

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.

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E. Change interface fc1fc1/2 into VSAN 100.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
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.

Correct Answer: B
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 31
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.

Correct Answer: AC
Section: (none)
Explanation

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QUESTION 32
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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
You apply a new CoPP profile to a Cisco Nexus 7000 Series, and it stops responding to ping requests. Which option should you check?

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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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
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.

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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.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
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

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Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
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.

Correct Answer: C
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 37
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.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 38

Instructions

- Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.
- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- Click on the Console PC to gain access to the console of the router. No console or enable passwords are required.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are **four** multiple-choice questions with this task. Be sure to answer all four questions before clicking the **Next** button.

Scenario

The following four questions cover the Cisco Nexus 7010 and Nexus 5000 switches, which are at the core of a data center network. Utilize all the available **show** commands to answer the items. Access to the running configuration is not allowed.

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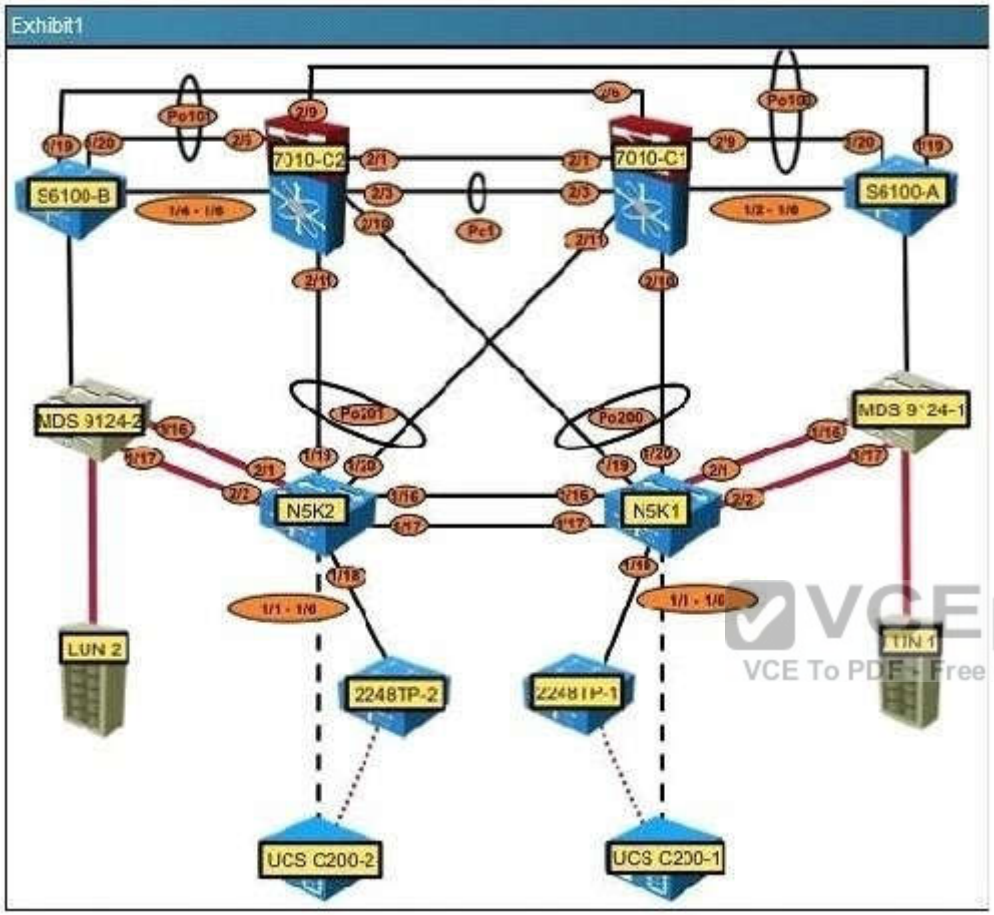

While the Nexus 7010 switches are configured with vPC, the Nexus 5000 switch connections to each Nexus 7010 are configured as regular port-channels. Which statement best describes the problem affecting the port channel on N5K1?

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.

Correct Answer: D
Section: (none)

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Explanation

Explanation/Reference:
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 39
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.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 40
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.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
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?

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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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
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?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43
Refer to the exhibit. A customer is having a problem getting NPV to work. What is causing the problem?

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```
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.

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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
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

Correct Answer: A
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 45
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

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Correct Answer: ADF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
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.)

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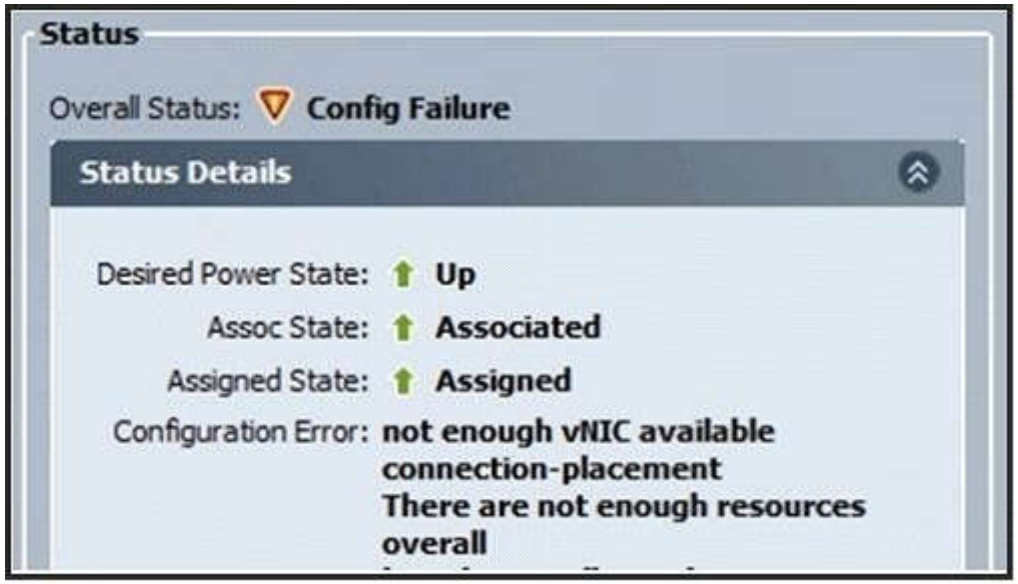

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A. Dynamic vNICs are not supported on the version the admin is running.
B. The network adapter in the blade does not support dynamic vNICs.
C. Too many dynamic vNICs are configured.
D. Dynamic vNICs are not required for VM-FEX.
E. The dynamic vNIC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

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 47
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
B. show npv status
C. show npv device-login

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D. show fcns flogi-database

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
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

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Correct Answer: ACF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
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

Correct Answer: AD
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 50
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

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Correct Answer: ABF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
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

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Correct Answer: ABE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52
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.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 53
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.

Correct Answer: ABF
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 54
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

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Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
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

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E. show mac address-table

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 56
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
```

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57
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

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Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58
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.

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Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 59
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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 60
FHRP isolation between data center networks that are connected over an OTV network is a twostep 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.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61

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Refer to the exhibit. A customer is having a problem with NPV.

```
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
```

Which of these is the cause of the problem?

A. No server was requested or received by the FLOGI database.
B. One external link must be up for server interface to be up.
C. 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.

Correct Answer: B
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 62
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.

Correct Answer: C
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 63
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.

Correct Answer: CDE
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 64
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.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 65
Refer to the exhibit. When suspending or deleting VSANs, which three statements are true? (Choose three.)

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```
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.

Correct Answer: ABD
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 66
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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 67
Why do color blocking logic counters increment while the unidirectional packet flow is troubleshot in a FabricPath topology?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 68
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?

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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.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 69
Refer to the exhibit. An administrator is deploying FCoE; however, a VFC interface will not come up. The administrator executes the commandshow platform software fcoe_mgr info interface vfc and displays the output.

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```
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
```

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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.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 70
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?

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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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 71
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.

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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 72
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.

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E. Change the local HSRP version to V1.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 73
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.

Correct Answer: B
Section: (none)
Explanation

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Explanation/Reference:

QUESTION 74
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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 75
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.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 76
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.)

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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.

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 77
On the Cisco Nexus 7000 Series Switch, what could be the reason why the (config- vlan)#privatevlan 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.

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D. The interface is in the wrong VRF.
E. The PVLAN feature is not enabled.
F. The VLAN does not exist.

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 78

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.

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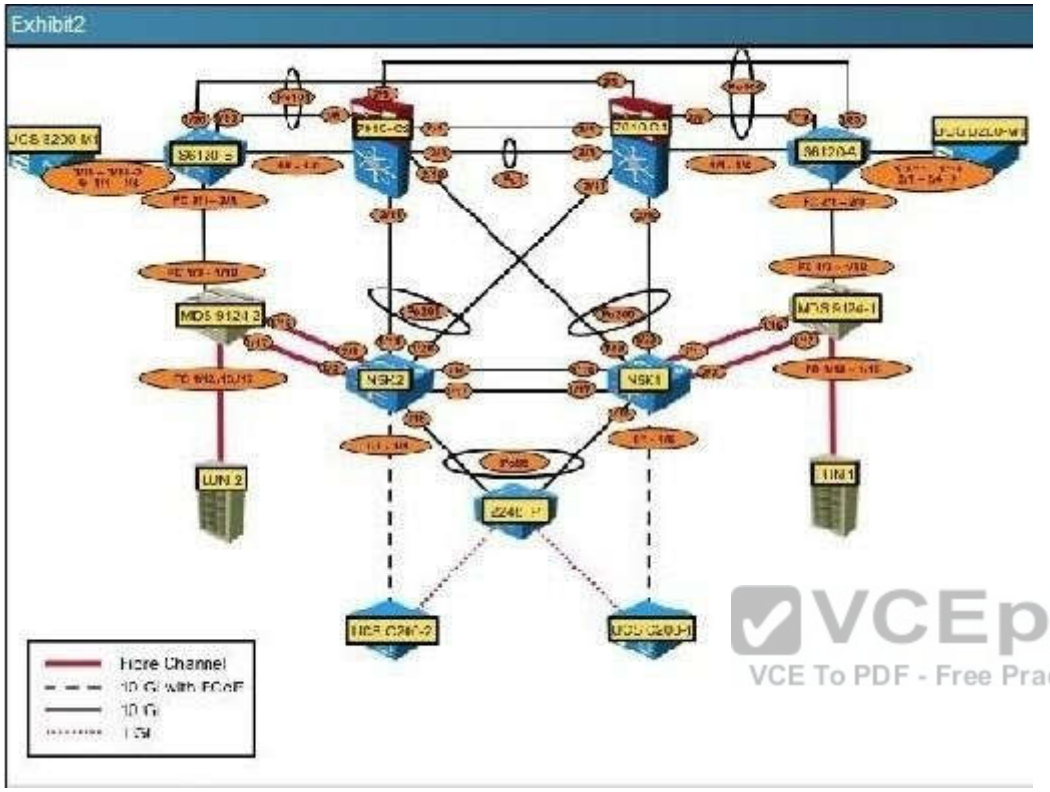

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The Cisco Nexus 2248 FEX has been added recently to the network via a vPC to the Nexus 5000 switches; however, connectivity is not yet operational. What is the problem with the configuration?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 79
Which three statements are true about using the debug command to resolve an HSRP issue on the Cisco Nexus platform? (Choose three.)

A. 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.

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

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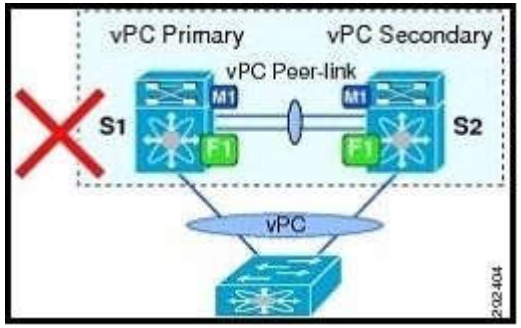
QUESTION 80
Refer to exhibit. Customer has a pair of Cisco Nexus7010s switches and connected to a single Cisco Nexus5548 switch via vPC. Customer has a combination of M1 and F1 I/O Modules in Cisco Nexus7010s.



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

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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.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 81

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.

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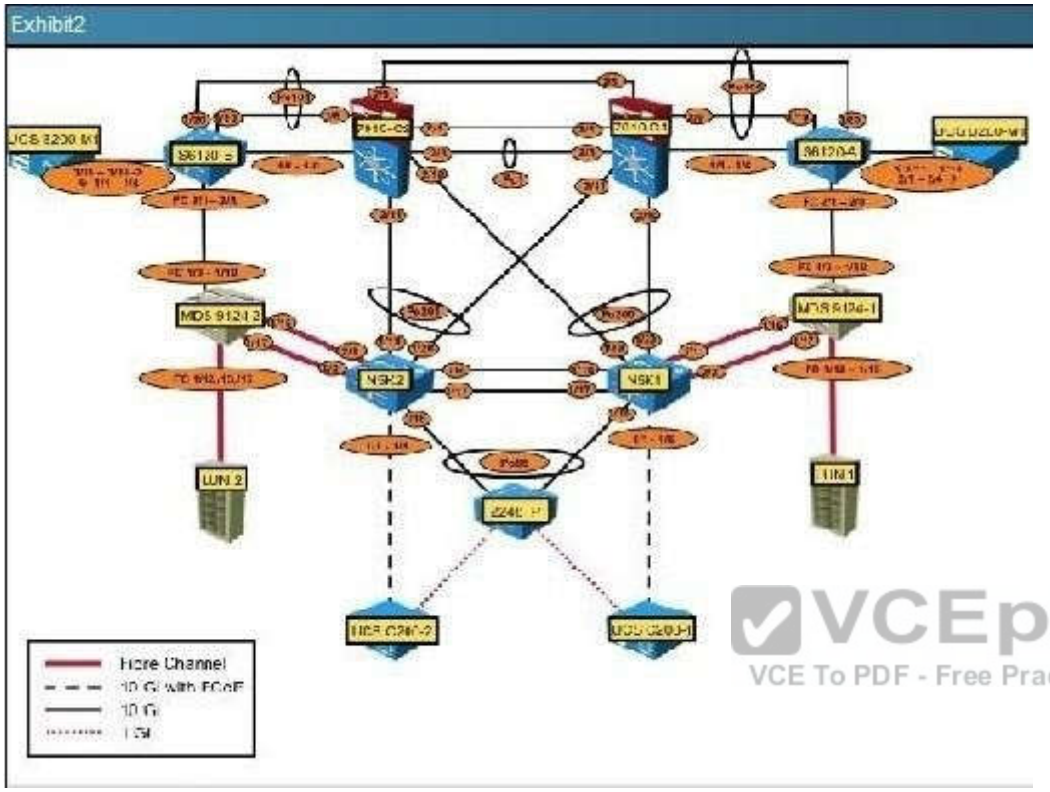

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Fibre Channel traffic on VSAN 12 between N5K2 and MDS9124-2 is degraded. Which statement explains the cause of this degradation?

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 82
An administrator wants to combine the advantages of a trunking F port and an F port channel. Which command on a Cisco MDS switch should be used to enable this?

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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 83
Which statement would explain why the overlay interface on an OTV edge device is not in the up state?

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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.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 84
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.

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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.

Correct Answer: ACE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 85
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)
        I - Individual  H - Hot-standby (LACP only)
        s - Suspended   r - Module-removed
        S - Switched    R - Routed
        U - Up (port-channel)
        M - Not in use. Min-links not met
--------------------------------------------------------------------------
Group Port-      Type     Protocol Member Ports
   Channel
--------------------------------------------------------------------------
20    Po20(SD)   Eth      LACP     Eth1/3(s)   Eth2/2(s)
```

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

A. The Cisco Nexus 7000 Series Switch needs to be configured with no lacp suspend- individual.
B. The Cisco Nexus 5500 Series Switch is configured with channel-group mode on.
C. The LACP feature has not been enabled on the Cisco Nexus 7000 Series Switch.
D. The ports are cabled to the wrong switch.
E. The port channel load-balancing algorithm does not match.

Correct Answer: BD
Section: (none)

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Explanation

Explanation/Reference:

QUESTION 86
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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 87
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 FabrciPath
C. ISSU needs to be disabled to run FabricPath
D. LAN_TRANSPORT_SERVICES_PKG license needs to be installed to run FabrciPath

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 88
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
!

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```
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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 89
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

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 90
A customer reports that a 10-Gb interface between a Cisco Nexus 7009 Switch and a Cisco

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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

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 91

Instructions

- Enter NX-OS commands on the device to verify network operation and answer the multiple-choice questions.
- **THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.**
- Click on the Console PC to gain access to the console of the router. No console or enable passwords are required.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are **four** multiple-choice questions with this task. Be sure to answer all four questions before clicking the **Next** button.

Scenario

The following four questions cover the Cisco Nexus 7010 and Nexus 5000 switches, which are at the core of a data center network. Utilize all the available **show** commands to answer the items. Access to the running configuration is not allowed.

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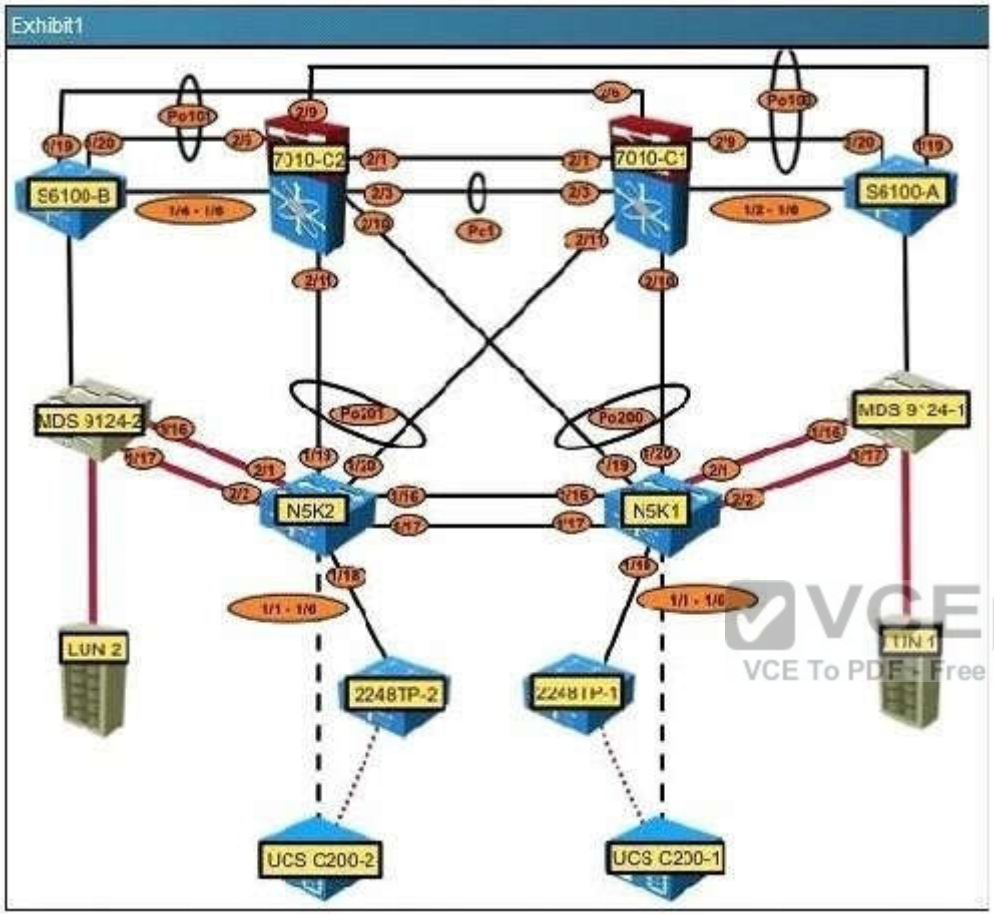

Cisco UCS users residing behind N5K2 are complaining about poor performance with a single LAN application in the data center. Which statement best explains what is wrong with N5K2?

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

Correct Answer: A
Section: (none)

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Explanation

Explanation/Reference:
Explanation:
Traffic balancing is based on the destination IP address Use the "show port-channel loadbalance" command to verify.

QUESTION 92
Refer to the exhibit. An administrator is deploying FCoE; however, a VFC interface will not come up.

```
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
```

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

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.

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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.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 93
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
```

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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.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 94
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.

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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.

Correct Answer: CEF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 95
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

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Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 96
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.

Correct Answer: AB
Section: (none)

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Explanation

Explanation/Reference:

QUESTION 97
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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 98
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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

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QUESTION 99
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 incorrecty on CISCO Nexus 5000 SWItch.

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Correct Answer: C
Section: (none)
Explanation

Explanation/Reference: