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QUESTION & ANSWER

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Exam : **300-615**

Title : Troubleshooting Cisco Data
Center Infrastructure (DCIT)

Version : DEMO

1.Refer to the exhibit.

```
N5K1(config-if)# show system internal dcbx info interface ethernet 1/1
Interface info for if_index: 0x1a000000(Eth1/1)
tx_enabled: FALSE
rx_enabled: FALSE
dcbx_enabled: TRUE
DCX Protocol: CIN
Port MAC address: 00:0d:ec:c9:c8:08
DCX Control FSM Variables: seq_no: 0x1, ack_no: 0x0,my_ack_no: 0x0,
peer_seq_no:
  0x0 oper_version: 0x0, max_version: 0x0 fast_retries 0x0
Lock Status: UNLOCKED
PORT STATE: UP
LLDP Neighbors
No DCX tlvs from the remote peer
```

A network engineer notices packet drops on FCoE traffic from the servers.

Which action resolves the issue?

- A. Apply flowcontrol receive on the interface.
- B. Apply flowcontrol transmit on the interface.
- C. Enable priority flow control on the interface.
- D. Disable priority flow control on the interface.

Answer: C

2.A system administrator adds two vNICs to an existing service profile that is used to run a vSphere environment to support disjoint Layer 2 network connectivity. However, after the server is rebooted, the host is not accessible on the network.

Which action resolves the issue?

- A. Remove all existing vNICs and add them in the desired order.
- B. Build a new service profile with the desired network configuration
- C. Add the disjoint Layer 2 VLANs to an existing vNIC rather than adding new vNICs
- D. Create a vNIC placement policy to avoid adapter renumbering

Answer: C

Explanation:

Reference: <https://www.cisco.com/c/en/us/support/docs/hyperconverged-infrastructure/hyperflex-hx-data-platform/213665-troubleshoot-hx-nodes-pci-address-reorde.html>

3.Refer to the exhibit.

```
%ZONE-2-ZS_MERGE_FAILED: %$VSAN 1%$ Zone merge failure, isolating interface fc2/1 error:
Received rjt from adjacent switch:[reason:0]

%ZONE-2-ZS_MERGE_FAILED: %$VSAN 1%$ Zone merge failure, isolating interface fc1/2 error:
Member mismatch

%ZONE-2-ZS_MERGE_ADJ_NO_RESPONSE: Adjacent switch not responding, isolating interface

%ZONE-2-ZS_MERGE_FULL_DATABASE_MISMATCH: Zone merge full database mismatch on interface
```

An engineer deploys SAN environment with two interconnected Cisco MDS 9000 Series switches. When the engineer attempts a zone merge, it fails with the error that is presented in the exhibit.

Which action resolves the issue?

- A. Import or export a zone set between the switches to synchronize the switches.
- B. Change the name of one of the zones to match the other zone set.
- C. Set the distribute policy of the zone to full.
- D. Ensure that the zone members have different names.

Answer: B

Explanation:

https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_3_x/troubleshooting/guide/ts_guide.pdf

Resolving a Link Isolation Because of a Failed Zone Merge Using the CLI

The following CLI commands are used to resolve a failed zone merge:

- `zoneset import vsan-id`
- `zoneset export vsan-id`

To resolve a link isolation because of a failed zone merge using the CLI, follow these steps:

4.Refer to the exhibit.

```
ACME-5K-A(config-vsan-db) # sh int fc2/16

fc2/16 is down (Inactive)
  Port description is UplinkTo_MDS-A_1/6
  Hardware is Fibre Channel, SFP is short wave laser
w/o OFC (SN)
  Port WWN is 20:50:00:2a:6a:98:bc:80
  Admin port mode is E, trunk mode is auto
  snmp link state traps are enabled
  Port vsan is 1
  Receive data field Size is 2112
  Beacon is turned off
```

The connection between a Cisco Nexus 5548UP switch and a Cisco MDS switch fails to initialize.

What is the cause of the issue?

- A. VSAN 1 is suspended.
- B. The SFP is unsupported.
- C. Trunk mode must be activated.
- D. The interface is in an incorrect mode.

Answer: A

5.Refer to an exhibit.

```
N5k-A-199# sh install all impact system
N5000-uk9.7.1.4.N1.1.bin kickstart
N5000-uk9-kickstart.7.3.4.N1.1.bin
Verifying image bootflash:/n5000-uk9-
kickstart.7.3.4.N1.1.bin for boot
variable "kickstart".
[#####] 100% -- SUCCESS
Verifying image bootflash:/n5000-
uk9.7.1.4.N1.1.bin for boot variable
"system".
[# ] 0% -- FAIL. Return code 0x4045001F
(image MD5 checksum error).
Install has failed. Image verification
failed (0x40930011)
```

An engineer is troubleshooting an upgrade failure on a switch.

Which action resolves the issue?

- A. Save the system image in NVRAM.
- B. Use the same system image as the kickstart image.
- C. Load a new system image.
- D. Reload the same system image.

Answer: B