Cisco

Exam Questions 300-615

Troubleshooting Cisco Data Center Infrastructure (DCIT)

NEW QUESTION 1
A vPC Type-1 inconsistency between two vPC peers in a VXLAN EVPN setup is discovered. Which two actions need to be attempted to resolve the issue? (Choose two.)

A. Configure the NVE interfaces to be Up on both switches.
B. Set a different distributed gateway virtual MAC address.
C. Set a different secondary IP addresses on NVE source-interface.
D. Configure the same VNI to multicast group maping.
E. Set a different primary IP addresses on NVE source-interface.

Answer: AD

NEW QUESTION 2
A mission-critical server is connected to site A. Connectivity to this server is lost from site B because the MAC route is missing in the OTV VDC of the Nexus 7000 in site B due to MAC aging. Which action allows the flooding of the unknown unicast MAC on the Nexus 7000 in the OTV VDC?

A. Use route-map to advertise this MAC statically and redistribute with ISIS.
B. Unknown unicast flooding is not allowed.
C. Use the otv flood mac <> command to selectively flood traffic for a given MAC.
D. Use the otv isis bfd <> command to configure BFD protocol.

Answer: B

NEW QUESTION 3

```
Debug messages from Router-A
OSPF: Rcv DBD from 10.100.1.2 on GigabitEthernet0/1 seq 0x2124 opt 0x52 flag 0x2
     len 1452 mtu 2000 state EXSTART
OSPF: Nbr 10.100.1.2 has larger interface MTU
SPF: Send DBD to 10.100.1.2 on GigabitEthernet0/1 seq 0x9E6 opt 0x52 flag 0x7
     len 32
OSPF: Retransmitting DBD to 10.100.1.2 on GigabitEthernet0/1 [10]
OSPF: Send DBD to 10.100.1.2 on GigabitEtherenet0/1 seq 0x9E6 opt 0x52 flag 0x7
     len 32
OSPF Retransmitting DBD to 10.100.1.2 on GigabitEthernet0/1[11]
%OSPF-5-ADJCHG: Process 1, Nbr 10.100.1.2 on GigabitEthernet0/1 from EXSTART to
     DOWN, Neighbor Down: Too many retransmissions

Debug messages from Router-B
OSPF: Rev DBD from 10.100.100.1 on GigabitEthernet0/1 seq 0x89E opt 0x52 flag 0x7
     len 32 mtu 1600 state EXCHANGE
OSPF: Nbr 10.100.100.1 has smaller inerface MTU
```

Refer to the exhibit. An OSPF adjacency between Router-A and Router-B cannot reach the FULL state. Which action resolves the issue?

A. Adjust the MTU on Router-A to 1600.
B. Disable the check of the MTU value.
C. Set the OSPF media type to point-to-point.
D. Adjust the MTU on Router-B to 1604.

Answer: B

NEW QUESTION 4

```
switch1# show vpc brief
Legend:
(*) - local vPC is down, forwarding via vPC peer-link

vPC domain id : 500
Peer status : peer link is down
vPC keep-alive status : Suspened (Destination IP not reachable)
Configuration consistency status : success
vPC role : secondary, operational primary
Number of vPCs configured : 4
Peer Gateway : Disabled
Dual-active exluded VLANs : -

vPC Peer-link status
-----------------------------------------------------------------
id  Port  Status  Active  vlans
--- ----- ------- -----------------------------------------------
1 Po500 down -

switch2# show vpc brief
Legend:
(*) - local vPC is down, forwarding via vPC peer-link

vPC domain id : 20
Peer status : peer link is down
vPC keep-alive status : Suspened (Destination IP not reachable)
Configuration consistency status : success
vPC role : secondary, operational primary
Number of vPCs configured : 4
Peer Gateway : Disabled
Dual-active exluded VLANs : -

vPC Peer-link status
-----------------------------------------------------------------
id  Port  Status  Active  vlans
--- ----- ------- -----------------------------------------------
1 Po500 down -
```

Refer to the exhibit. vPC between switch1 and switch2 is not working. Which two actions are needed to fix the problem? (Choose two.)

A. Match vPC domain ID between the two devices.
B. Configure IP address on the interface.
C. Activate VLANs on the vPC.
D. Configure vPC peer link and vPC peer keepalive correctly.
E. Configure one of the switches as primary for the vPC.

Answer: AC

NEW QUESTION 5
An engineer removes a VMM domain from an endpoint group called EPG-1, but the distributed port group fails to be deleted. Which action must be taken to resolve the issue?

A. Remove the port group manually.
B. Migrate all virtual machines in the EPG-1 to different hypervisors.
C. Remove the remaining EPGs from the VMM domain.
D. Migrate all virtual machines in the EPG-1 to different port groups.

Answer: C

NEW QUESTION 6

```
switch# show interface fc1/5
fc1/5 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:ac:a4:3b:83
Admin port mode is F, turnk mode is off
snmp link state traps are enabled
Port vsan is 100
    Receive data field Size is 2112
```

Refer to the exhibit. Interface fc1/5 is offline. Which action should be taken to troubleshoot the issue?

A. Activate the correct zoneset for VSAN 100.
B. Update the FLOGI database to contain the FLOGI entries for interface fc1/5 in VSAN 100.
C. Update the FCNs database to contain names for VSAN 100.
D. Configure the upstream ports and the server ports to be in VSAN 100.

Answer: D

NEW QUESTION 7
DRAG DROP
An engineer is troubleshooting issues in Cisco UCS Director. Drag and drop the possible causes from the left onto the correct issues on the right.
Select and Place:

A. Mastered
B. Not Mastered

Answer: A

NEW QUESTION 8

```
Cisco VIC iSCSI, Boot Driver Version 2.0 (1w)
(C) 2010 Cisco Systems, Inc.
Initialize error 1
```

Refer to the exhibit. An engineer is configuring boot from iSCSI on a Cisco UCS B-Series Blade Server, but the LUN fails to mount. Which action resolves the issue?

A. Statically configure the target information in the Boot Policy.
B. Configure an MTU size of 9000 on the appliance port.
C. Configure a QoS policy on the vNIC.
D. Set a connection timeout value of 250 in the iSCSI Adapter Policy.

Answer: A

NEW QUESTION 9
An attempt to use a global vNIC redundancy template pair results in a service profile that fails to apply. Which action resolves the issues?

A. Create the peer names before creating the templates.
B. Assign the secondary template first, and then set the peer name.
C. Assign both templates simultaneously.
D. Assign the primary template first, and then set the peer name.

Answer: D

NEW QUESTION 10
An engineer must replace a failed memory on a Cisco UCS B-Series Blade Server. After the replacement was done, the server has a "resolve slot" warning. Which server maintenance action resolves the issue?

A. Perform diagnostic interrupt on the server.
B. Re-acknowlegement the server.
C. Reset the server.
D. Decomission the server.

Answer: B

NEW QUESTION 10
Cisco Unified Computing System Manager raises a critical error message that indicates that the system has overlapping Ethernet and FCoE VLANs. All of the Ethernet traffic on the overlapping VLANs drops. Which action resolves the issue?

A. Modify the VLAN assignment to vNICs.
B. Change the PIN groups on the vHBAs.
C. Modify the FCoE VLAN.
D. Set the FCoE VLAN as the native VLAN on server uplinks.

Answer: A

NEW QUESTION 11

```
leaf1# show interface ethernet 1/11
Ethernet1/11 is up (out-of-service)
admin state is up, Dedicated Interface
      Hardware: 1000/10000 Ethernet, address: e4aa/5d94.a2b5 (bia e4aa.5d94.a2b5)
      MTU 9000 bytes, BW 10000000 Kbit, DLY 1 usec
      reliability 255/255, txload 1/255, rxload 1/255
      Encapsulation ARPA, medium is broadcast
      Port mode is trunk
      full-duplex, 10 Gb/s, media type is 10G
      FEC (forward-error-correction) : disable-fec
      Beacon is turned off
      Auto-Negotiation is turned on
      Input flow-control is off, output flow-control is off
      Auto-mdix is turned off
      Rate mode is dedicated
      Switchport monitor is off
      EtherType is 0x8100
      EEE (efficient-ethernet) : n/a
      Last link flapped 4d06h
      Last clearing of "show interface" counters never
      1 interface resets
      30 seconds input rate 0 bits/sec, 0 packets/sec
      30 seconds output rate 0 bits/sec, 0 packets/sec
```

Refer to the exhibit. An engineer is performing a health check on ACI. Which statement about interface Ethernet 1/11 is true?

A. The interface is working correctly and fully operational, but it is not in use.
B. The interface policy is misconfigured.
C. "out-of-service" is the default interface status in ACI.
D. "out-of-service" indicates that no service graph is in use for this interface.

Answer: B

NEW QUESTION 14
An engineer is implementing a storage VDC, but fails. Which two prerequisites must be in place before a storage VDC is implemented? (Choose two.)

A. M-Series module
B. ESSENTIALS license
C. STORAGE-ENT license
D. FCoE license
E. F-Series module

Answer: DE

NEW QUESTION 17
Refer to the exhibit. A new Cisco Nexus 5548 Switch connects to a network. SAN switching is configured on the switch. The switch fc2/10 NP uplink is shown in the exhibit. Which action ensures that fc2/10 is in an up state?

A. Replace the SFP port module in fc2/10.
B. Configure the admin port type E on the upstream switch that connects the port.
C. Enable NPIV on the upstream switch that connects the port.
D. Configure the BB_credit buffers on the upstream switch that connects the port.

Answer: C

NEW QUESTION 19
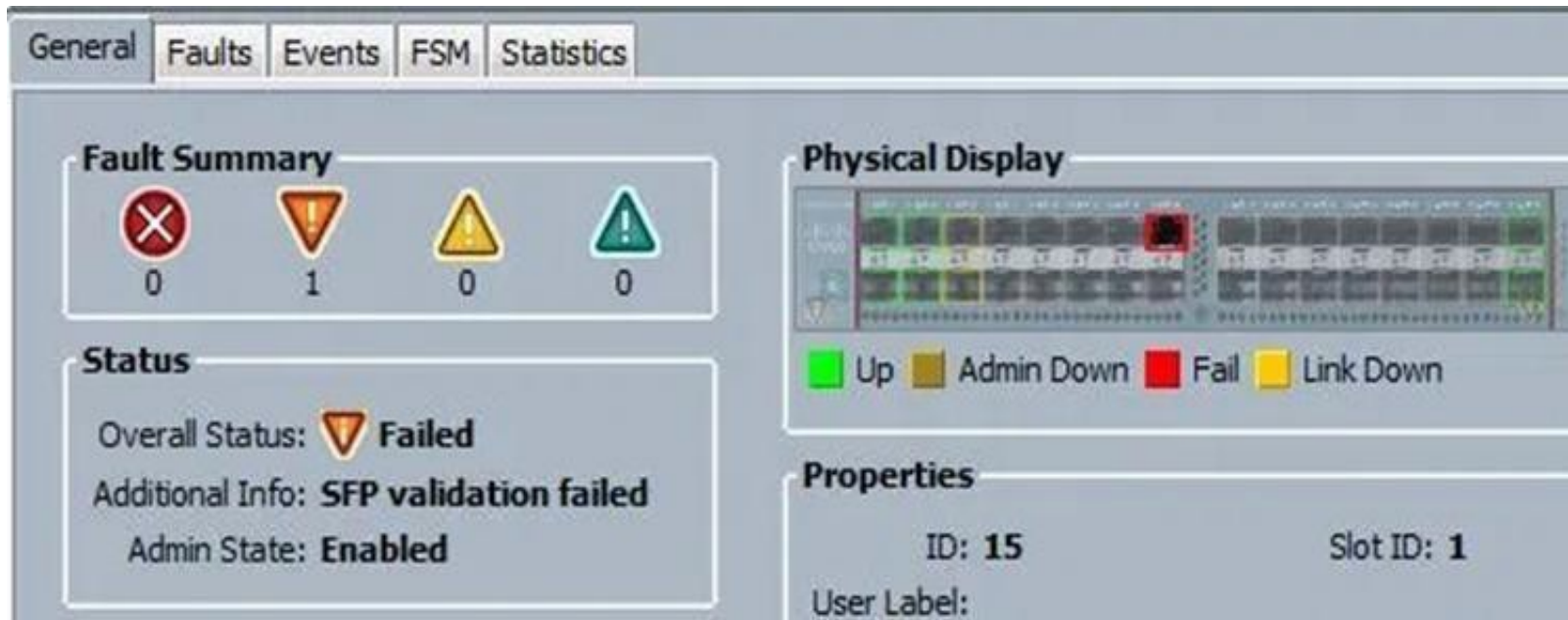
Refer to the exhibit. When an engineer inserts 8-Gb FC SFP port 15 on a Cisco UCS Fabric Interconnect, the port fails. What is a possible cause of the issue?

A. Port 15 is configured as an Ethernet port.
B. Port 15 is configured for 4-Gb FC.
C. Port 15 is missing a license.
D. The polarity of the fiber cable is reversed.

Answer: B

NEW QUESTION 20
An engineer discovers that an NPV/NPIV uplink experiences a heavy load and plans to add more uplinks. Which statement about what occurs when the new uplinks are added is true?

A. Only new connections use the new uplinks automatically.
B. Paths must be defined before new connections can use the new uplinks.
C. All connections must be reset before the new uplinks can be used.
D. New and existing connections use the new uplinks automatically.

Answer: D

NEW QUESTION 22
An engineer is troubleshooting a failed DCBX exchange between a server and a Cisco Nexus switch. Which action allows DCBX to successfully negotiate?

A. Enable ETS
B. Enable PFC.
C. Enable Cisco Discovery Protocol.
D. Enable LLDP.

Answer: D

NEW QUESTION 25

```
FC0001# show zone active
zone name hba1_VN0001 vsan 3201
    fcid 0x970209 [pwwn 50:ab:0b:00:00:c2:8f:de]
  * fcid 0x970102 [pwwn 20:ba:00:a0:98:3b:6f:d8]

zone name hba1_VN0002 vsan 3201
  * fcid 0x970200 [pwwn 50:ab:0b:00:00:c2:8a:67]
    fcid 0x9700c2 [pwwn 20:ba:00:a0:98:3b:61:99]
```
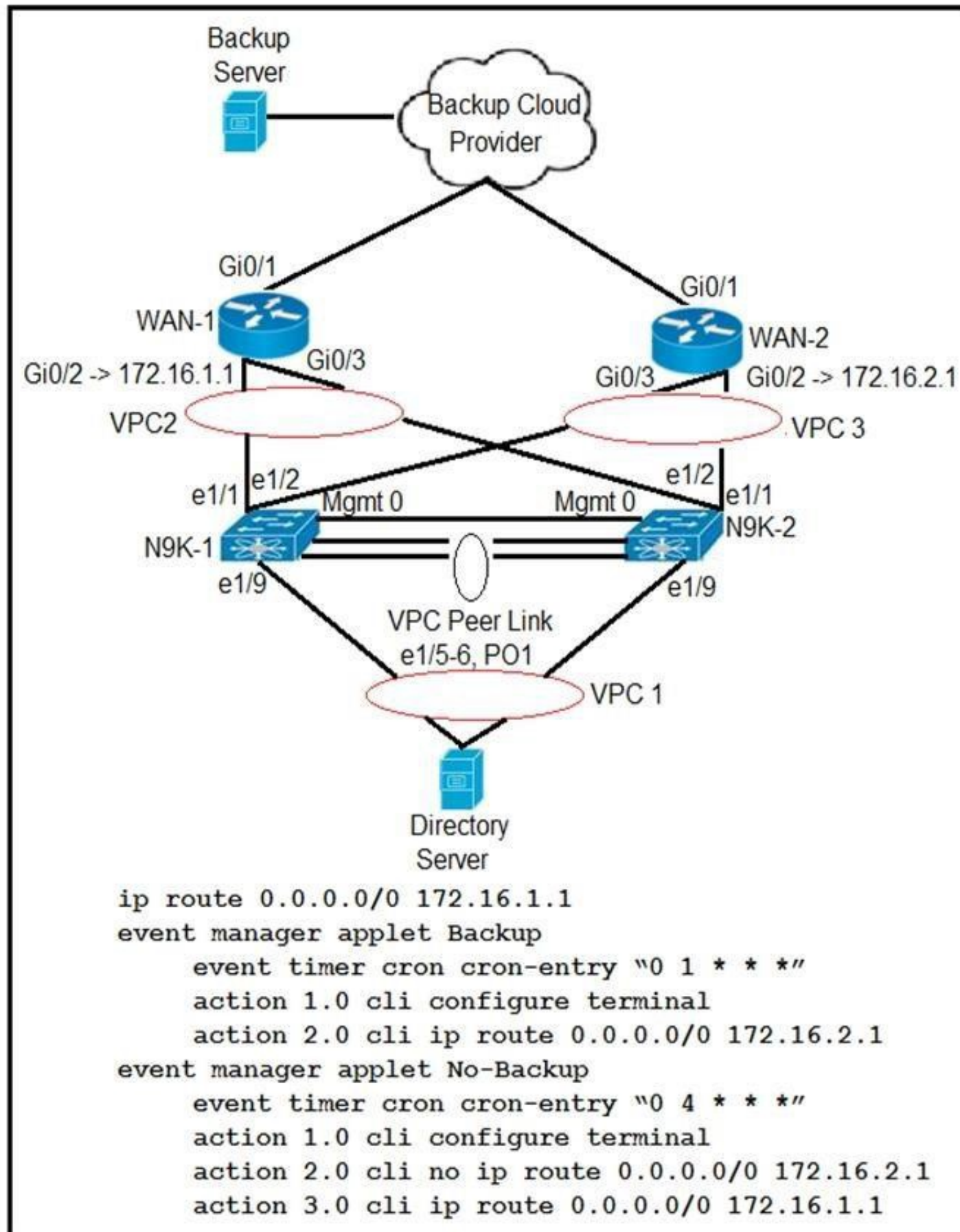
Refer to the exhibit. The initiator that has FC ID 0x970102 fails to communicate with the target that has FC ID 0x970200. What action resolves the issue?

A. Reconfigure the initiator and the target to be in the same zones.
B. Reactivate the zoneset.
C. Reset the port for FC ID 0x970102 and FC ID 0x970200 to log in to the fabric.
D. Reset the port for FC ID 0x970209 and FC ID 0x9700c2 to log in to the fabric.

Answer: B

NEW QUESTION 26

```
ip route 0.0.0.0/0 172.16.1.1
event manager applet Backup
    event timer cron cron-entry "0 1 * * *"
    action 1.0 cli configure terminal
    action 2.0 cli ip route 0.0.0.0/0 172.16.2.1
event manager applet No-Backup
    event timer cron cron-entry "0 4 * * *"
    action 1.0 cli configure terminal
    action 2.0 cli no ip route 0.0.0.0/0 172.16.2.1
    action 3.0 cli ip route 0.0.0.0/0 172.16.1.1
```

▪ Refer to the exhibit. Partial configuration from N9K-1 and N9K-2 is included. The client has two WANs connected. WAN-1 is for normal business-day activities.
▪ WAN-2 is for server backups during nonworking hours of 1:00 a.m. to 5:00 a.m. daily.
The client says that at the scheduled time for backup, the data center server failed to use the WAN-2 link to back up the servers to the cloud backup system. What is the solution to this problem?

A. The event timer must be written in epoch time format.
B. The Cisco Nexus switch must be configured with one applet because a configuration with two applets will fail.
C. The Cron entry must be configured without double quotes.
D. The applet called "Backup" must include an action to remove the current static route.

Answer: D

NEW QUESTION 27

```
switch# guestshell resize cpu 4
Note: System CPU share will be resized on Guest shell enable
```

Refer to the exhibit. After the configuration is performed, guestshell continues to use 2%CPU. Which action resolves the issue?

A. Resync the database
B. Recreate the guestshell
C. Reboot the guestshell
D. Reboot the switch

Answer: C

NEW QUESTION 28
A server administrator attempts to change the Cisco IMC KVM certificate to one signed by a private CA, but the certificate is not being accepted. What can cause this process to fail?

A. using a certificate with a password-protected private key
B. RSA encryption being used in the generation of the certificate.
C. AES encryption being used in the generation of the certificate.
D. public IP addres of the Cisco IMC not being included in the SAN.

Answer: A

NEW QUESTION 31
An IOM fails during a firmware upgrade and is unresponsive. Which action recovers the module?

A. Restore UCSM configuration from backup.
B. Roll back to the previous firmware.
C. Use AutoInstall to reinstall the firmware.
D. From the peer IOM, reset the faulty module.

Answer: B

NEW QUESTION 33

```
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)
```

Refer to an exhibit. 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: C

NEW QUESTION 36
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