Cisco

Exam Questions 300-615

Troubleshooting Cisco Data Center Infrastructure (DCIT)

NEW QUESTION 1
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 2
Refer to the exhibit. After a failover occurs, which two actions must be performed on Switch-B to manually preempt the operational primary role back to Switch-A? (Choose two.) A. Configure the local vPC role priority to have a lower value than Switch-A.

A. Configure the local vPC role priority to have a higher value than Switch-A.
B. Disable and then re-enable the vPC peer-keepalive link.
C. Configure the local vPC role priority to have the same value as Switch-A.
D. Disable and then re-enable the vPC peer link.

Answer: BE

NEW QUESTION 3
The Cisco Nexus switch is connected to a peer switch that is not running Cisco NX-OS. The switches are connected using port channel and are experiencing packet loss. Which action should be performed on the Cisco Nexus switch ports to resolve this issue?

A. Turn on lacp suspend-individual.
B. Turn on lacp graceful-convergence.
C. Turn off lacp graceful-convergence.
D. Turn off lacp suspend-individual.

Answer: C

NEW QUESTION 4
Refer to the exhibit. The HSRP configuration in the exhibit fails to function. Which action resolves this issue?

A. Enable IP redirects.
B. Set the MTU to 1500 bytes.
C. Configure HSRP version 2.
D. Configure the same HSRP group on both devices.

Answer: A

NEW QUESTION 5


```
N9K-A                              N9K-B
interface Vlan100                  interface Vlan100
ip address 10.10.100.194/26        ip address 10.10.100.195/26
ip router eigrp 50                 ip router eigrp 50
ip passive-interface eigrp 50      ip passive-interface eigrp 50
hsrp 100                           hsrp 100
authentication text pa$$word       authentication text pa$$word
preempt                            preempt
priority 150                       priority 120
timers msec 500 msec 1000          timers msec 300 msec 1500
ip 10.10.100.193                   ip 10.10.100.193
no shutdown                        no shutdown


N9K-A# sh hsrp brief
*:IPv6 group   #:group belongs to a bundle
                         P indicates configured to preempt.
 Interface  Grp  Prio   P State  Active addr  Standby  addr  Group addr
 Vlan100    100   150   P Active local              unknown  10.10.100.193  (conf)

N9K-B# sh hsrp brief
*:IPv6 group   #:group belongs to a bundle
                         P indicates configured to preempt.
 Interface  Grp  Prio   P State  Active addr Standby  addr  Group addr
 Vlan100    100   120   P Active local              unknown  10.10.100.193  (conf)
```

Refer to the exhibit. The HSRP instance on both switches is showing as active. Which action resolves the issue?

A. Configure the HSRP timers to be the same.
B. Allow VLAN 100 between the switches.
C. Configure the IP address of N9K-B on the same subnet as N9K-A.
D. Configure preempt on only one of the switches.

Answer: B

NEW QUESTION 6
An engineer is troubleshooting a fabric discovery failure. Which two requirements must an engineer verify about switch connectivity to solve the problem? (Choose two.)

A. A Cisco APIC must be attached to a spine node only.
B. A Cisco APIC must be attached to leaf nodes.
C. Spine nodes must connect to other spine nodes.
D. A Cisco APIC must be dual-attached to two separate spine nodes.
E. Leaf nodes must connect to spine nodes only.

Answer: BE

NEW QUESTION 7

```
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 8
An engineer is troubleshooting a packet flow from an access leaf to spine. Which EVPN routes are expected on this connection?

A. EVPN Type 1-5
B. EVPN Type 0,9,15
C. EVPN Type 9-15
D. EVPN Type 0,16

Answer: A

NEW QUESTION 9

```
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.
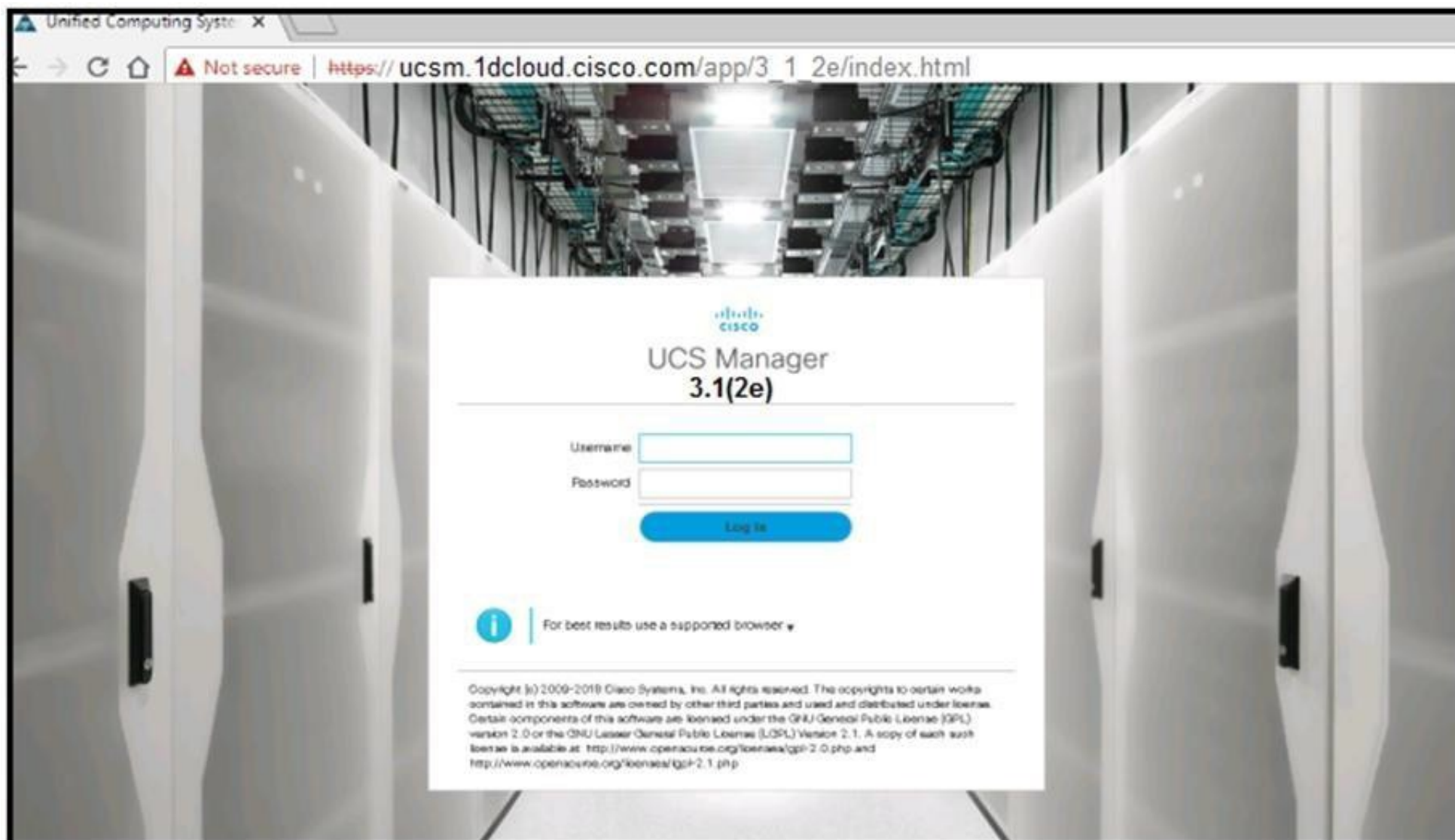
Answer: D

NEW QUESTION 10
Refer to the exhibit. A switch is being downgraded to an earlier release because of a problem with the current release. After the switch is downgraded, it can no longer forward traffic. Which action resolves the issue?

A. Enable ISSD after the downgrade is complete.
B. Roll back to the original image.
C. Reload the switch.
D. Shut and no shut the interfaces to the FEX.

Answer: B

NEW QUESTION 10

Refer to the exhibit. A web browser displays a "not secure" warning message when accessing the web interface of Cisco UCS Manager. Which action resolves the issue?

A. Load third-party certificate to UCS Manager.
B. Use the correct TCP port for HTTPS.

C. Use a supported web browser.
D. Use a supported version of UCS Manager.

Answer: A

NEW QUESTION 11
An engineer attempts to register Cisco UCS Manager to Cisco UCS Central, but the registration fails. The engineer can ping Cisco UCS Central from UCS Manager. Which two actions must the engineer attempt to resolve the problem? (Choose two.)

A. Synchronize the date and time to NTP for Cisco UCS Central and the Cisco UCS domains.
B. Apply the UCS Central license to UCS Central.
C. Place Cisco UCS Manager on the same subnet as Cisco UCS Central.
D. Allow port 443 between Cisco UCS Manager and Cisco UCS Central.
E. Allow port 9443 between Cisco UCS Manager and Cisco UCS Central.

Answer: AD

NEW QUESTION 14
DRAG DROP
Drag and drop the Cisco UCS SNMP fault types from the left onto the correct issues on the right.
Select and Place:

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 16
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 18

```
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 21
A user reports that they cannot reach from a UCS server to an FC Storage array. Which command is used to test communication between an FCF and a target?

A. fcroute
B. traceroute
C. fcping
D. ping

Answer: C

NEW QUESTION 23
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 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 27
Refer to the exhibit. A network engineer configures an EEM script to get a syslog notification after a configuration change. This message appears when the engineer must make a new configuration to this switch. Which configuration did the engineer neglect to apply in the script for it to function properly?

A. event cli match 'configure terminal'
B. event policy-default count 1 time 100
C. event syslog occurs 10
D. action 2.0 event-default

Answer: D

NEW QUESTION 31

```
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 33
An engineer is troubleshooting a custom AV pair that was created by a client on an external authentication server to map a read-only role for a specific security domain. Which AV pair solves the problem?

A. shell:domains=Security_Domain_1//Read_Role_1|Read_Role_2
B. shell:domains=Security_Domain_1/Write_Role_1|Read_Role_2
C. shell=Security_Domain_1/Read_Role_1|Read_Role_2
D. shell:domains=Security_Domain_1/Read_Role_1|Read_Role_2

Answer: A

NEW QUESTION 35
Your client reports that many flaps and server cluster disconnects occur in their data center. While troubleshooting the issue, you discover a network attack hitting their Cisco Nexus 7000 Series Switches and determine that the source IP addresses are spoofed. Which first-line security solution resolves this issue?

A. Dynamic ARP Inspection
B. Unicast RPF
C. IP Source Guard
D. Storm Control

Answer: A

NEW QUESTION 36
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 40
DRAG DROP
A firmware upgrade on a fabric interconnect fails. A bootflash contains a valid image. Drag and drop the recovery steps from the left onto the correct order on the right.
Select and Place:

A. Mastered
B. Not Mastered

Answer: A

NEW QUESTION 42

```
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 47
After upgrading a client's fabric interconnect to the latest version, an engineer discovers that the appliance has lost its entire configuration. Which two locations should an engineer check to confirm that the appliance had backed up the configuration prior to the upgrade in order to retrieve the lost configuration? (Choose two.)

A. Equipment FSM page, InternalBackup stage
B. Service profiles page, InternalBackup stage
C. Admin page, PollInternalBackup stage
D. Equipment FSM page, PollInternalBackup stage
E. Admin page, InternalBackup stage.

Answer: AC

NEW QUESTION 49
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