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300-615 Q&As

Troubleshooting Cisco Data Center Infrastructure (DCIT)

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QUESTION 1

Refer to the exhibit.

```
Booting kickstart image: bootflash:/installables/switch/ucs-6100-k9-kickstart.4
.1.2.N2.1.1l.bin....Loader Version pr-1.3

loader> dir
bootflash:
   lost+found
   ucs-6100-k9-kickstart.4.1.3.N2.1.1l.bin
   ucs-6100-k9-system. 4.1.3.N2.1.1l.bin
   sysdebug
   chassis.img
   nuova-sim-mgmt-nsg.0.1.0.001.bin
   pnuos
   installabels
   mts.log
   vdc_2
   vdc_3
   vdc_4
   distributables
   initial_setup.log
   tmp
   .tmp-kickstart
   .tmp-system

loader>
```

A Cisco UCS Fabric Interconnect fails during the upgrade process. The working images of the fabric interconnect are stored on the bootflash. Which set of commands recovers the fabric interconnect?

A. loader> dir loader> boot ucs-6300-k9-kickstart.5.0.2.N1.3.02d56.bin switch(boot)# init system switch(boot)# reload switch(boot)# load ucs-6300-k9-system.5.0.2.N1.3.02d56.bin

B. loader> dir loader> boot ucs-6300-k9-kickstart.5.0.2.N1.3.02d56.bin switch(boot)# copy ucs-manager-k9.1.4.1k.bin nuova-sim-mgmt-nsg.0.1.001.bin switch(boot)# boot ucs-6300-k9-system.5.0.2.N1.3.02d56.bin

C. loader> dir loader> boot ucs-6300-k9-kickstart.5.0.2.N1.3.02d56.bin switch(boot)# init system switch(boot)# reload switch(boot)# boot ucs-6300-k9-system.5.0.2.N1.3.02d56.bin

D. loader> dir loader> boot ucs-6300-k9-kickstart.5.0.2.N1.3.02d56.bin switch(boot)# copy ucs-manager-k9.1.4.1k.bin nuova-sim-mgmt-nsg.0.1.001.bin switch(boot)# load ucs-6300-k9-system.5.0.2.N1.3.02d56.bin

Correct Answer: D

QUESTION 2

![Pass2Lead logo](https://Pass2Lead.com)
A Cisco ACI environment consists of three Cisco APICs, two spine switches, and four leaf switches. The engineer erases and reboots all APICs first, then leaf and spine switches individually, and then completes the Initial Setup dialog on the

APIC1 CIMC KVM console. When the engineer logs in to the APIC1 web GUI, the engineer notices that there are no directly connected leaf switches being discovered under Fabric > Inventory > Fabric Membership.

What is the cause of the issue?

A. The leaf nodes were not erased properly, which caused a fabric parameters mismatch with the APIC1.

B. Rebooting the APICs and the leaf and spine switches after wiping them is not required.

C. The engineer did not enter the TEP Pool value during the Initial Setup dialog on APIC1.

D. The same Fabric Name value should be used before and after wiping all devices.

Correct Answer: C

QUESTION 3

Refer to the exhibit.

```
n7k-1(config)# no role feature-group name test_feature_group1
ERROR: Feature group is in use. Can't remove the feature group
n7k-1(config)# show role | egrep role:|feature-group
   1       permit read-write feature-group        test_feature_group1
n7k-1(config)#
```

A network administrator must delete a feature group from a Cisco Nexus 5000 Series Switch. Which action resolves the issue?

A. Detach the association with the no rule command within the role configuration mode

B. Detach the association with the no role command within the feature-group configuration mode

C. Detach the association with the no rule command within the feature-group configuration

D. Detach the association with the no role command within the role configuration mode

Correct Answer: A

QUESTION 4

DRAG DROP

An engineer troubleshoots issues in Cisco UCS Director. Drag and drop the possible causes of the issues from the left onto the corresponding issues on the right.

Select and Place:

Network connectivity is lost between the Cisco UCS Director Bare Metal Agent and the Windows server.	The master inventory database fails.
Power fails on the server that runs Cisco UCS Director.	The VMRC HTML5 console fails to launch.
The Cisco UCS Director appliance and the Cisco UCS Director Bare Metal Agent have a discrepancy in the system time.	The PXE boot tasks fail after a successful deployment of a server running Windows Server.
The VM has VNC enabled.	A Cisco UCS Director appliance fails to display new images added to the Cisco UCS Director Bare Metal Agent.

Correct Answer:

Power fails on the server that runs
Cisco UCS Director.

The VM has VNC enabled.

Network connectivity is lost between
the Cisco UCS Director Bare Metal Agent
and the Windows server.

The Cisco UCS Director appliance and the
Cisco UCS Director
Bare Metal Agent have a discrepancy in
the system time.

QUESTION 5

A network engineer experiences the error "DDR3_P1_B1_ECC" when upgrading Cisco UCS firmware. Which action resolves the issue?

A. Reset the DIMM

B. Reset the BMC firmware

C. Reflash the controller firmware

D. Reflash the DIMM

Correct Answer: A

QUESTION 6

In Cisco UCS Central you have a certificate that has the status set to Not Yet Valid. Which scenario could cause the issue?

A. The certificate field is empty.

B. The time is incorrectly synchronized.

C. The trusted point uses a bundled certificate that has a minimum depth of 10.

D. The certificate is issued by a different trusted point.

Correct Answer: B

QUESTION 7

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

A. the LSA arrival time

B. the dead interval

C. the last flood scan time

D. the retransmit interval

Correct Answer: B

QUESTION 8

Refer to the exhibit.

![Pass2Lead](https://Pass2Lead.com)
```
ficl-mgmt-A# show cluster state
Cluster Id: 0xfe92119409cf1111-0x81a200defbec3111
A: UP, PRIMARY
B: UP, SUBORDINATE

ficl-mgmt-A(nxos)# show fex 1 detail  | exclude Down
FEX: 1 Description: FEX0001    state: Online
    Pinning-mode: static    Max-links: 1
    Fabric port for control traffic: Eth1/4
    FCoE Admin: false
    FCoE Oper: true
    FCoE FEX AA Configured: false
    Fabric interface state:
        Eth1/1 - Interface Up. State: Active
        Eth1/2 - Interface Up. State: Active
        Eth1/3 - Interface Up. State: Active
        Eth1/4 - Interface Up. State: Active
    Fex Port          State    Fabric Port
            Eth1/1/1    Up          Eth1/1
            Eth1/1/3    Up          Eth1/1
            Eth1/1/5    Up          Eth1/2
            Eth1/1/7    Up          Eth1/2
            Eth1/1/9    Up          Eth1/3
           Eth1/1/11    Up          Eth1/3
           Eth1/1/13    Up          Eth1/4
           Eth1/1/15    Up          Eth1/4
           Eth1/1/17    Up          Eth1/1
           Eth1/1/19    Up          Eth1/1
           Eth1/1/21    Up          Eth1/2
           Eth1/1/23    Up          Eth1/2
           Eth1/1/33    Up          Eth1/4
```

![Pass2Lead logo](https://Pass2Lead.com)
A network engineer needs to capture traffic from the VMs that utilize the IOM host interface Eth1/1/23 of a Cisco UCS B-Series chassis. A traffic analyzer is used to get traffic captured from the Eth1/4 interface of the subordinate fabric interconnect. The network engineer notices that traffic is not captured on the traffic analyzer. Which action resolves the issue?

A. Span the traffic from the Eth 1/2 of the subordinate fabric interconnect

B. Span the traffic from the Eth 1/2 of the primary fabric interconnect

C. Span the traffic from the Eth 1/4 of the subordinate fabric interconnect

D. Span the traffic from the Eth 1/4 of the primary fabric interconnect

Correct Answer: B

QUESTION 9

Refer to the exhibit.
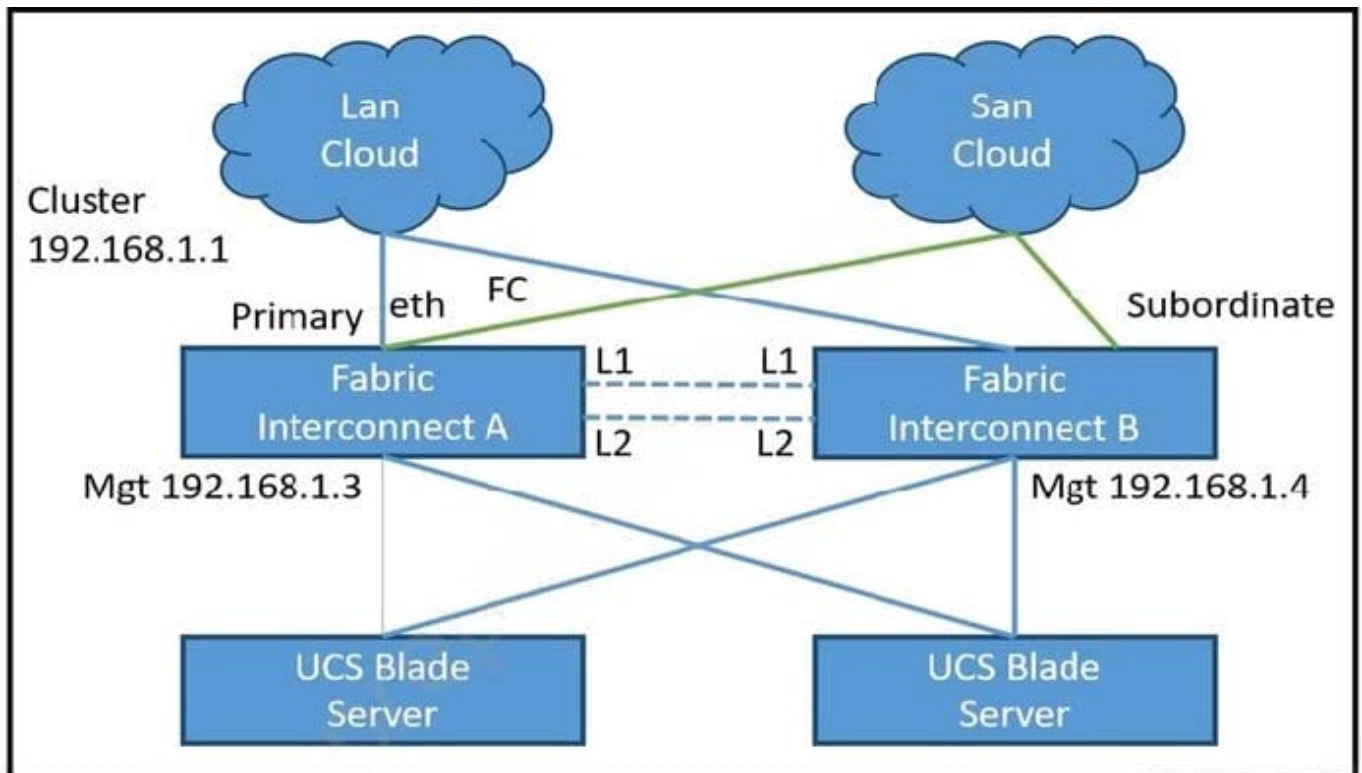
A network engineer finds one of the fabric interconnects offline when connecting L1 and L2 ports on both fabric interconnects. Which action resolves the issue?

A. 1. Connect to Fabric Interconnect B.

2.

 Verify the cluster status and HA election.

3.

 Validate Fabric Interconnect B hardware issues.

B. 1. Connect to Fabric Interconnect A.

2.

 Verify the cluster status and HA election.

3.

 Validate Fabric Interconnect A hardware issues.

C. 1. Connect Fabric Interconnect B and change the role to primary.

2.

 Reboot Fabric Interconnect B.

3.

 Add the Fabric Interconnect A as subordinate fabric to the cluster.

D. 1. Connect Fabric Interconnect B and execute "Erase configuration"

2.

 Reboot Fabric Interconnect B.

3.

 Add the subordinate Fabric Interconnect to the cluster.

Correct Answer: D

QUESTION 10

Refer to the exhibit.

![Pass2Lead](https://Pass2Lead.com)
```
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 -
```

The vPC between switch1 and switch2 does not work. Which two actions resolve the problem? (Choose two.)

A. Configure the IP address on the interface.

B. Activate VLANs on the vPC.

C. Configure one of the switches as primary for the vPC.

D. Correct the configuration of the vPC peer link and the vPC peer keepalive.

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E. Match the vPC domain ID between the two devices.

Correct Answer: DE

Both "vPC peer link" and "Peer keepalive link" are down. So, D is correct.

SW1 is using vPC domain ID 500, which SW2 is using 20. They must match. So, E is correct.

QUESTION 11

An engineer must place a Cisco UCS B-Series Server in a single server pool in Cisco UCS Manager. The engineer creates a qualification policy, but the server is still seen in multiple pools. Which two actions resolve the issue? (Choose two.)

A. Select the Server Pool Policy Qualification from the qualification drop-down menu in the Server Pool Policy

B. Select the Server Pool Policy from the qualification drop-down menu in the Server Pool Policy Qualification

C. Set the operating system qualifier inside the Server Pool Policy Qualification

D. Set the number of vNICs qualifier inside the Server Pool Policy.

E. Set the storage capacity qualifier inside the Server Poo. Policy Qualification.

Correct Answer: AC

QUESTION 12

Refer to the exhibit.

```
N9K# show interface vfc2
vfc2 is trunking
    Bound interface is Ethernet 101/1/2
    ...
    Port mode is TF
    Port vsan is 102
    Trunk vsans (admin allowed and active) (102)
    Trunk vsans (up)                        ()
    Trunk vsans (isolated)                  ()
    Trunk vsans (initializing)              (102)
    ...

N9K# show lldp interface 101/1/2
Interface information:
    Enable (tx/rx/dcbx): Y/Y/Y   Port Mac address: ca:e9:f5:21:c2:0d
N9K# |
```

The FCoE traffic fails to traverse the vfc2 interface. The VSAN 102 is configured for vfc2. Which action resolves the issue?

A. Enable LLDP on the interface vfc2

B. Activate DCBX on the N9K switch

C. Activate DCBX on the interface e101/1/2

D. Enable LLDP on the neighbor switch

Correct Answer: D

QUESTION 13

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.

Correct Answer: C

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QUESTION 14

A system administrator connects a Cisco Nexus 2248PQ FEX to a fabric interconnect to expand the ports that are available for connecting Cisco UCS C-Series Rack Servers. In Cisco UCS Manager, the administrator does not see the servers connected to this FEX. Which action should be taken to resolve the issue?

A. The FEX must be exchanged so that it supports the connectivity between fabric interconnects and UCS C-Series servers

B. The fabric interconnects must be rebooted before the FEX is recognized

C. The transceivers must be exchanged to support the connectivity between the FEX and the fabric interconnects

D. The ports that connect the FEX to the fabric interconnects must be configured as server ports

Correct Answer: D

QUESTION 15

Refer to the exhibit.
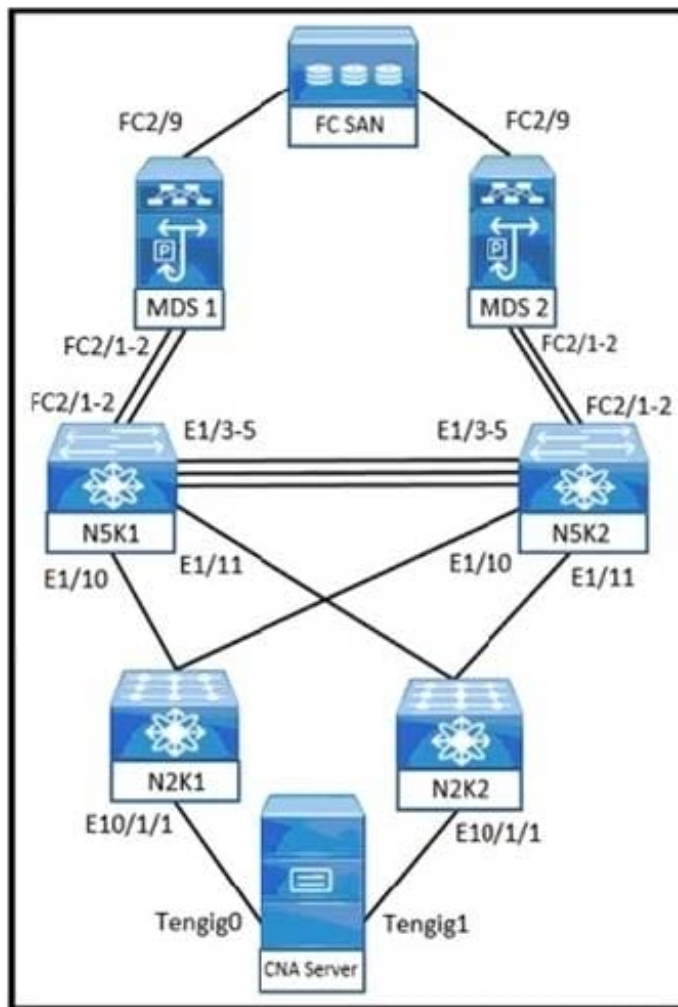
![Pass2Lead](https://Pass2Lead.com)
```
N5K1# show platform software fcoe_mgr event-history errors
1) Event:E_DEBUG, length:93, at 203962 usecs after Wed Jun 12
20:33:04 2019 [102] fcoe_mgr_vfc_ac_eval(4946):
DEBUG:shut:Sending event to delete protos of vfc1 due to 62
2) Event:E_DEBUG, length:119, at 197505 usecs after Wed Jun 12
20:33:04 2019  [102] fcoe_mgr_fc2_msg_handler(5706): proto
if_index 1e000000 p_proto (nil)and oxid 8805fc2 usrhandle 0[0]
iuhdr type:1
3) Event:E_DEBUG, length:91, at 197053 usecs after Wed Jun 12
20:33:04 2019 [102] fcoe_mgr_proto_ac_eval(1847): >Bringing down
PROTO 1e000000 due to
truly missing fka
```

An engineer discovered a VFC interface in a down state on a Cisco Nexus Switch. Which action resolves the problem?

A. Change the cable between the switch and the server

B. Reset the Cisco Nexus port toward the file server

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C. Update the CNA firmware and driver versions

D. Modify the fip keepalive message time to 30 seconds

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/troubleshooting/guide/N5K_Troubleshooting_Guide/n5K_ts_fcoe.html

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