



# 300-615<sup>Q&As</sup>

Troubleshooting Cisco Data Center Infrastructure (DCIT)

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### QUESTION 1

A Cisco UCSB-Series Blade Server is configured to boot a VMwareESXi host from an EMC VNX storage array by using a Fibre Channel SAN. The boot order is confirmed to be configured as expected but the server fails to boot from the SAN. Which action resolves the problem?

- A. Set the same WWPN pools for vHBA adapters
- B. Set the boot LUN to the highest LUN ID in the storage array
- C. Set the boot LUN to the lowest LUN ID in the storage array
- D. Set the same WWNN pools for vHBA adaptor

Correct Answer: A

### QUESTION 2

```
event manager applet ConfigNotifier
event cli match "conf t"
action 1.0 snmp-trap strdata "Configuration change"
```

Refer to the exhibit. A network engineer creates an EEM script to trigger an SNMP notification when a user enters configuration mode, but the trap is not received when the condition is met. Which action resolves the issue?

- A. Append action 2.0 event-default to the script
- B. Append action 2.0 cli "conf t" to the script
- C. Modify snmp-trap strdata "Configuration changed" to syslog msg Configuration changed
- D. Modify cli match "conf t" to "snmp match "conf t"

Correct Answer: A

Reference:

[https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/system\\_management/configuration/guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS\\_System\\_Management\\_Configuration\\_Guide/sm\\_12eem.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/system_management/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_System_Management_Configuration_Guide/sm_12eem.html)

### QUESTION 3



```
event manager applet looback_online override -BootupPortLoopback
  action 1 syslog priority notifications msg "Switch Online"
  action 2 policy-default
```

Refer to the exhibit. The EEM script overrides all events in the system policy. What should be added to the script to resolve the issue?

- A. event statement
- B. environment variable
- C. event-default action statement
- D. configure terminal action

Correct Answer: A

#### QUESTION 4

Refer to the exhibit.

```
grep tftpd /var/log/messages

Oct 12 14:29:11 localhost xinetd[5126]: Server
/usr/sbin/in.tftpd is not executable
[file=/etc/xinetd.d/tftp] [line=12]

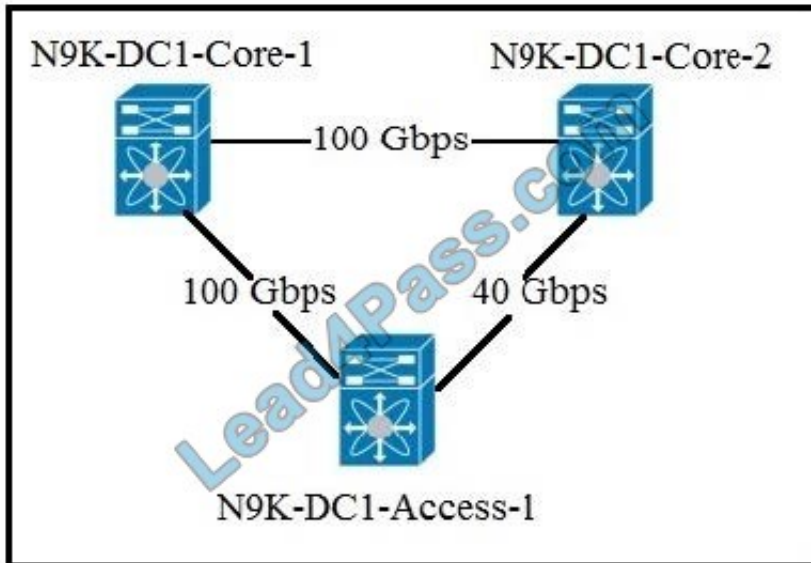
Oct 14 08:12:31 localhost xinetd[3418]: Server
/usr/sbin/in.tftpd is not executable
[file=/etc/xinetd.d/tftp] [line=12]
```

A Cisco UCS Director appliance that has the Cisco UCS Director Bare Metal Agent installed fails to boot from the PXE. TFTP and the Bare Metal Agents are running. Which action do you take to resolve the issue?

- A. Restart the Cisco UCS Director Bare Metal Agent services.
- B. Restart the TFTP service.
- C. Reinstall the Cisco UCS Director Bare Metal Agent.
- D. Reinstall TFTP.

Correct Answer: B

#### QUESTION 5



Refer to the exhibit. The spanning tree is blocking the connection between N9K-DC1-Core-1 and N9K-DC1-Access-1. All ports are up and configured. Which configuration resolves the issue?

- A. Set the pathcost method to long on all three switches
- B. Configure a vPC between N9K-DC1-Core-1 and N9K-DC1-Access-1
- C. Configure LACP between N9K-DC1-Core-1 and N9K-DC1-Access-1
- D. Lower the spanning tree cost on the connection between N9K-DC1-Core-2 and N9K-DC1-Access-1

Correct Answer: D

#### 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



A customer configures HSRP between two data centers that are interconnected with OTV. The configuration succeeds, but traffic between two ESXi virtual hosts on the same site is routed suboptimally through the OTV overlay. Which two actions optimize the traffic? (Choose two.)

- A. Disable first-hop redundancy.
- B. Filter HSRP traffic by using a Layer 3 VACL on the OTV edge devices.
- C. Filter HSRP by using a Layer 2 MAC-list on the ESXi vSwitch.
- D. Filter HSRP traffic by using a Layer 3 VACL on the ESXi vSwitch.
- E. Filter HSRP by using a Layer 2 MAC-list on the OTV edge devices.

Correct Answer: AB

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#### QUESTION 8

An engineer must configure Linux hosts that are deployed on Cisco UCS B-Series Servers to boot from SAN. The SAN boot policy is configured in Cisco UCS Manager, and the boot order is verified to be set as expected. However, the Linux hosts fail to boot. Which action resolves the issue?

- A. Remove all of the local storage that is installed
- B. Delete and reconfigure the pWWN of the SAN boot target
- C. Remove all of the ISO images that are mounted as a virtual CD-ROM
- D. Delete and reconfigure the boot LUN

Correct Answer: A

Reference: [https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/cli/config/guide/2-2/b\\_UCSM\\_CLI\\_Configuration\\_Guide\\_2\\_2/configuring\\_server\\_boot.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/cli/config/guide/2-2/b_UCSM_CLI_Configuration_Guide_2_2/configuring_server_boot.pdf) page 5

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#### QUESTION 9

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

Correct Answer: A

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#### QUESTION 10



A customer reports that the Chassis Management Controller fails to receive chassis information from Cisco UCS Manager. Which set of steps resolves the issue?

- A. 1) Verify that the IOM firmware and Cisco UCS Manager are at different software levels 2) Verify that at least two physical cables between the IOM and fabric interconnect function properly. 3) Check for runtime link down status 4) Reseat the affected IOM.
- B. 1) Verify that the IOM firmware and Cisco UCS Manager are at the same software level. 2) Verify that at least one physical cable between the IOM and fabric interconnect functions properly. 3) Check for runtime link down status 4) Reseat the affected IOM.
- C. 1) Verify that the IOM firmware and Cisco UCS Manager are at the same software level. 2) Verify that at least two physical cables between the IOM and fabric interconnect function properly. 3) Check for runtime link down status. 4) Reseat the affected IOM.
- D. 1) Verify that the IOM firmware and Cisco UCS Manager are at different software levels. 2) Verify that at least one physical cable between the IOM and fabric interconnect functions properly. 3) Check for runtime link down status. 4) Reseat the affected IOM.

Correct Answer: B

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/ts/guide/UCSTroubleshooting/UCSTroubleshooting\\_chapter\\_01001.html](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ts/guide/UCSTroubleshooting/UCSTroubleshooting_chapter_01001.html)

#### QUESTION 11

```
interface Vlan26
  description VLAN_26_FINANCE
  no shutdown
  mtu 9000
  vrf member TENAT1
  no ip redirects
  ip address 10.26.1.2/24
  hsrp 26
    authentication md5 key-string C1sc012345
  preempt
  priority 101
  ip 10.26.1.1
```

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.

Correct Answer: A





## QUESTION 12

```
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 GigabitEthernet0/1 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 interface 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.

Correct Answer: B

## QUESTION 13

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

Correct Answer: C



QUESTION 14

```
Switch-B# show vpc
vPC domain id: 34
Peer status : peer adjacency formed ok
vPC keep-alive status : peer is alive
Configuration consistency status : success
Per-vlan consistency status : success
Type-2 consistency status : success
vPC role : primary, operational secondary
Number of vPCs configured : 49
Peer Gateway : Enabled
Peer gateway excluded VLANs : -
Dual-active excluded VLANs : -
Graceful Consistency Check: Enabled
Auto-recovery status: Enabled (timeout = 240 seconds)
```

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

Correct Answer: BE

QUESTION 15





```
N5K-1# show running-config aaa all
!
version 7.0(2)N2(1)
logging level aaa 5
aaa authentication login default group radius
aaa authentication login console group radius
aaa authorization ssh-publickey default local
aaa authorization ssh-certificate default local
aaa accounting default local
aaa user default-role
aaa authentication login default fallback error local
aaa authentication login console fallback error local
aaa authentication login error-enable
no aaa authentication login mschap enable
no aaa authentication login mscapv2 enable
no aaa authentication login chap enable
```

Refer to the exhibit. A functioning trunk port Ethernet1/48 exists between two identical Cisco Nexus 5000 Series Switches. The interfaces on the switches support the MACsec feature and are configured identically. To enable manual MACsec, an engineer adds the configuration shown in the exhibit to both sides of the trunk. The trunk port stops functioning. Which action should be taken to resolve the issue?

- A. Disable and then enable the port
- B. Enable the license for the trunk ports to support MACsec
- C. Lower the MTU value to less than 9216 bytes
- D. Configure the PMK with a length of 2048 bytes

Correct Answer: B

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