

300-615^{Q&As}

Troubleshooting Cisco Data Center Infrastructure (DCIT)

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QUESTION 1

A network engineer is implementing the Cisco ACI Fabric and notices that the Leaf-1 switch is registered, has an assigned name, but is displayed as inactive in the APIC. After further investigation, it became clear that the leaf switch was recently moved from another Cisco ACI environment. Which action resolves the problem?

- A. Clean reload the Leaf-1 switch
- B. Define the new TEP address for Leaf-1
- C. Change the clock offset from low to high between apic 1 and Leaf-1
- D. Modify the ISIS interface peering IP address between apic 1 and Leaf-1

Correct Answer: B

QUESTION 2

Refer to the exhibit.

```
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 : Suspended (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 : Suspended (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    -
```

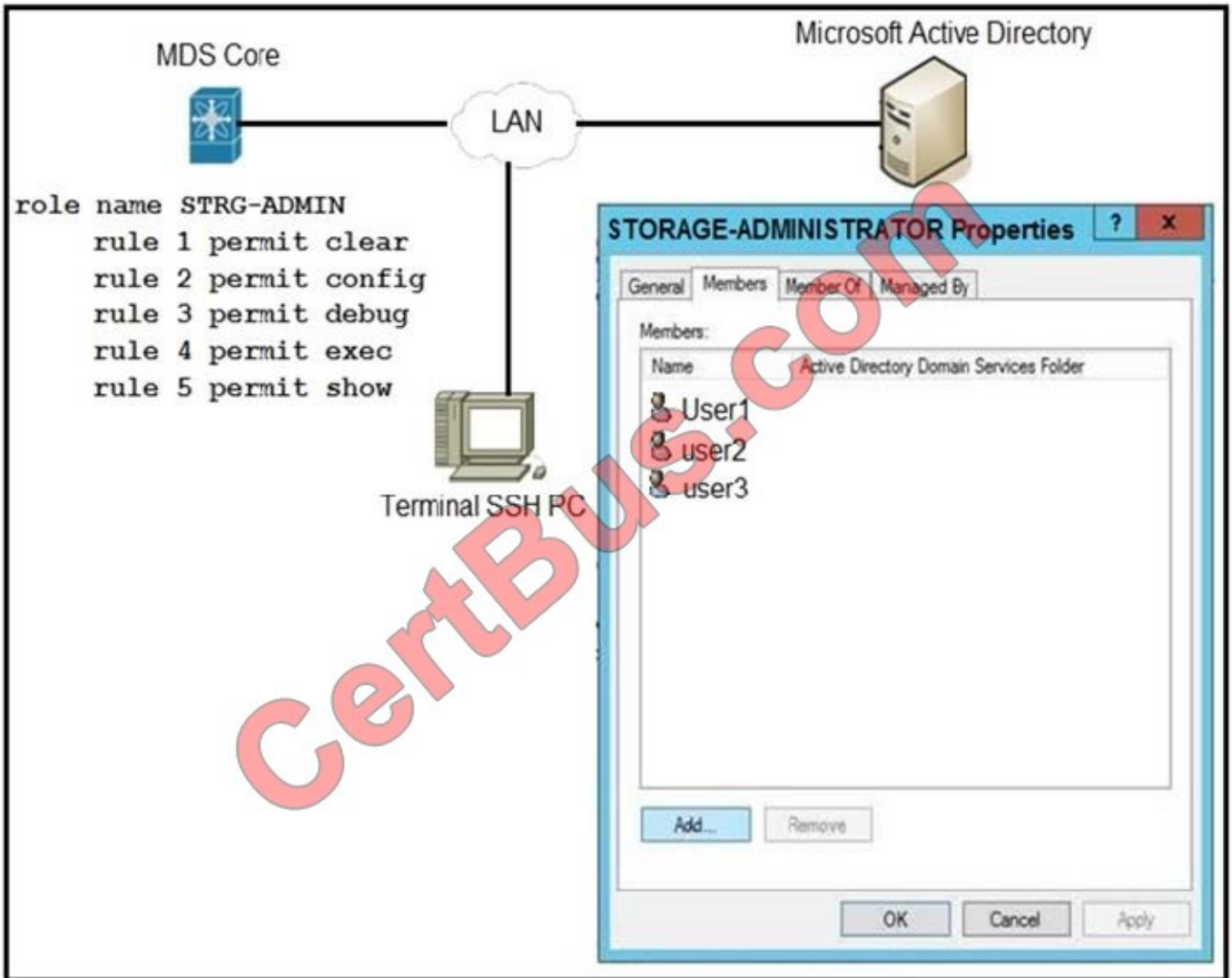
vPC between switch1 and switch2 is not working. Which two actions are needed to fix the problem? (Choose two.)

- 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.

Correct Answer: AC

QUESTION 3



Refer to the exhibit. An engineer is troubleshooting why user1, user2, and user3 from group STORAGE-ADMINISTRATOR in Microsoft Active Directory cannot log in to the Cisco MDS SSH CLI. Which action resolves the issue?

- A. Configure the role name to match the group name on Microsoft Active Directory.
- B. Include specific users into MDS role configuration.
- C. Configure SSH logins on Cisco MDS switch.
- D. Integrate Cisco MDS with Microsoft Active Directory.

Correct Answer: A

QUESTION 4

An engineer troubleshoots a VXLAN EVPN data center. The applications in the data center fail to reach the DNS server that is located at IP 10.10.10.10. The engineer examines the BGP EVPN routing table and notes that the IP prefix route covers the DNS server is missing. Which action resolve the issue?

- A. Set the IP prefix route to represent [5]:[0]:[0]:[32]:[10.10.10.10]/224 in the routing table.
- B. Configure an IP ARP entry to represent [2]:[0]:[0]:[48]:[0050.569f.1285]:[32]:[10.10.10.10]/272 in the routing table
- C. Set the IP prefix route to represent [2]:[0]:[0]:[48]:[0050.569f.1285]:[0]:[0.0.0.0]/216 in the routing table
- D. Configure an IP ARP entry to represent [4]:[0300.0000.00fc.bd00.0309]:[32]:[10.10.10.10]/136,n the routing table

Correct Answer: A

QUESTION 5

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.

Correct Answer: D

QUESTION 6

```

nx-os9000-1# show guestshell detail
Virtual service guestshell+ detail
  State                               : Activated
  Package information
    Name                               : guestshell.ova
    Path                               : /isanboot/bin/guestshell.ova
  Application
    Name                               : GuestShell
    Installed version                  : 2.4(0.0)
    Description                        : Cisco Systems Guest Shell
  Resource reservation
    Disk                              : 250 MB
    Memory                             : 256 MB
    CPU                                : 1% system CPU

nx-os9000-1# guestshell resize cpu 5
-- output omitted --
nx-os9000-1# guestshell resize rootfs 1500
-- output omitted --

nx-os9000-1# show guestshell detail
Virtual service guestshell+ detail
  State                               : Activated
  Package information
    Name                               : guestshell.ova
    Path                               : /isanboot/bin/guestshell.ova
  Application
    Name                               : GuestShell
    Installed version                  : 2.4(0.0)
    Description                        : Cisco Systems Guest Shell
  Resource reservation
    Disk                              : 250 MB

```

Refer to the exhibit. A network engineer deploys scripts to the guest shell of a Cisco Nexus switch. The scripts fail to operate properly due to the limited CPU and file system resources that are assigned by default to the guest shell. The engineer allocated more memory and disk space to the guest shell, but the application continues to fail. Which action resolves the issue?

- A. Disable and enable bash shell
- B. Reboot the guest shell
- C. Redeploy the bash shell
- D. Upgrade the guest shell

Correct Answer: B

Reference: <https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2018/pdf/BRKDCN-2015.pdf>

QUESTION 7

A client reports that many flaps and server cluster disconnects are occurring in its data center. While troubleshooting the issue, an engineer discovers that a network attack is hitting the Cisco Nexus 7000 Series Switches and 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

Correct Answer: A

QUESTION 8

A server fails to boot from the operating system after a RAID1 cluster migration. The RAID remains in an inactive state during and after a service profile association. Which action resolves the issue?

- A. Configure the SAN boot target in the service profile.
- B. Configure the SAN boot target to any configuration mode.
- C. Use a predefined local disk configuration policy.
- D. Remove the local disk configuration policy.

Correct Answer: C

QUESTION 9

A customer has a Cisco UCS Center cluster. The customer configures LDAP as the AAA protocol and enables SSL for LDAP. The LDAP authentication fails. Which issue is the cause of the failure?

- A. The LDAP client passed an incorrect from the trustpoint.
- B. The ca certificate is missing from the trustpoints.
- C. The LDAP server limit that is set by an administrative authority was exceeded.
- D. The LDAP time limit that is specified by either the client or the server was exceeded.

Correct Answer: B

QUESTION 10

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 11


```

N9K-1(config)# show scheduler schedule
Schedule Name      : copy_run
-----
User Name          : admin
Schedule Type     : Run every 0 Days 24 Hrs 0 Mins
Start Time        : Sun Jun 28 13:40:41 2020
Last Execution Time : Sun Jun 30 13:40:41 2020
Last Completion Time: Sun Jun 30 13:40:42 2020
Execution count   : 2
-----
      Job Name          Last Execution Status
-----
save_cfg_every_day      Failed (1)
=====

N9K-1(config)# show scheduler logfile
Job Name      : save_cfg_every_day      Job Status: Failed (1)
Schedule Name : copy_run                User Name : netdevops
Completion time: Sun Jun 29 13:40:42 2020
===== Job Output =====
'copy running-config ftp://172.16.1.5/N9K-1_config_2020-06-29-13.40.41 vrf
management'
ftp: bad context 0
=====
Job Name      : save_cfg_every_day      Job Status: Failed (1)
Schedule Name : copy_run                User Name : netdevops
Completion time: Sun Jun 30 13:40:42 2020
===== Job Output =====
'copy running-config ftp://172.16.1.5/N9K-1_config_2020-06-30-13.40.41 vrf
management'
ftp: bad context 0
=====

N9K-1(config)# show scheduler job
Job Name: save_cfg_every_day
-----
copy running-config ftp://172.16.1.5/${SKITCHNAME}_config_${TIMESTAMP} vrf
management
=====

```

Refer to the exhibit. The scheduler was configured to save the running-config automatically daily. However, the scheduler is returning the error presented. Which action resolves the issue?

- A. Reconfigure the scheduler using the admin user
- B. Use the kstack attribute for copying the configuration file
- C. Remove vrf management from the command
- D. Change the file transfer protocol to TFTP in scheduler job

Correct Answer: C

QUESTION 12

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.

Correct Answer: D

QUESTION 13

```
Test-5548-A# sh int fc2/10
fc2/10 is down (Initializing)
Hardware is Fibre Channel, SFP is short wave laser w/o OFC (SN)
Por WWN is 20:42:00:0d:fc:a5:3b:81
Admin port mode is NP, trunk mode is on
```

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.

Correct Answer: C

QUESTION 14

```
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.

Correct Answer: B

QUESTION 15

```
vrf context management
ip name-server 4.2.2.2
ip route 0.0.0.0/0 192.168.30.2

interface mgmt0
ip address dhcp
vrf member management

N9K-Core# ping google.com vrf management
PING google.com (216.58.209.238): 56 data bytes
64 bytes from 216.58.209.238: icmp_seq=0 ttl=127 time=151.982 ms
64 bytes from 216.58.209.238: icmp_seq=1 ttl=127 time=136.198 ms
64 bytes from 216.58.209.238: icmp_seq=2 ttl=127 time=224.796 ms
64 bytes from 216.58.209.238: icmp_seq=3 ttl=127 time=148.458 ms
64 bytes from 216.58.209.238: icmp_seq=4 ttl=127 time=129.98 ms

- - - google.com ping statistics - - -
5 packets transmitted, 5 packets received, 0.00% packet loss
round-trip min/avg/max = 129.98/158.282/224.796 ms
```

Refer to the exhibit. A network engineer has connected the Nexus switch management port to the Internet using DHCP to allow the Guest shell running on the switch to download Python packages. The engineer can ping google.com successfully from the Nexus switch, but the Guest shell failed to download any Python packages. Which action resolves the problem?

- A. Update the Python packages on the Cisco Nexus switch directly.
- B. Manually configure DNS in the Guest shell, even if it is claimed on the Cisco Nexus switch through DHCP.
- C. Manually configure NTP in the Guest shell.
- D. Connect Guest shell to data plane interfaces to be able to connect to the networks outside the Cisco Nexus switch.

Correct Answer: B

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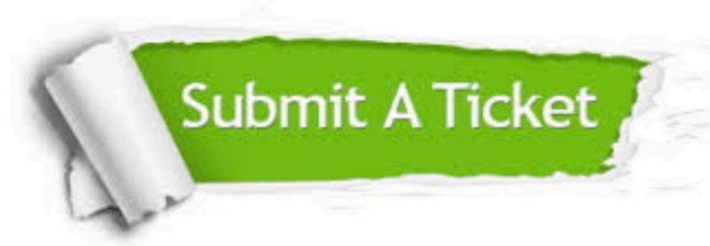
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