

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

Troubleshooting Cisco Data Center Infrastructure (DCIT)

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### QUESTION 1

Refer to the exhibit.

```
ACME-5K-A(config-vsan-db) # sh int fc2/16

fc2/16 is down (Inactive)
  Port description is UplinkTo_MDS-A_1/6
  Hardware is Fibre Channel, SFP is short wave laser
w/o OFC (SN)
  Port WWN is 20:50:00:2a:6a:98:bc:80
  Admin port mode is E, trunk mode is auto
  snmp link state traps are enabled
  Port vsan is 1
  Receive data field Size is 2112
  Beacon is turned off
```

The connection between a Cisco Nexus 5548UP switch and a Cisco MDS switch fails to initialize. What is the cause of the issue?

- A. VSAN 1 is suspended.
- B. The SFP is unsupported.
- C. Trunk mode must be activated.
- D. The interface is in an incorrect mode.

Correct Answer: C

### QUESTION 2

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.

Correct Answer: C

**QUESTION 3**

Refer to the exhibit.

```
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
```

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 4

Refer to the exhibit.

```
SWITCH1

Vlan10 - Group 100 (HSRP-V1) (IPv4)
  Local state is Active, priority 110 (Cfged 110), may preempt
  Forwarding threshold(for vPC), lower: 0 upper: 110
  Hellotime 3 sec, holdtime 10 sec
  Next hello sent in 1.103000 sec(s)
  Virtual IP address is 192.168.10.254 (Cfged)
  Active router is local
  Standby router is unknown
  Authentication text "cisco"
  Virtual mac address is 0000.0c07.ac64 (Default MAC)
  2 state changes, last state change 00:00:36
  IP redundancy name is hsrp-Vlan10-100 (default)

SWITCH2

Vlan10 - Group 10 (HSRP-V1) (IPv4)
  Local state is Active, priority 109 (Cfged 109), may preempt
  Forwarding threshold(for vPC), lower: 0 upper: 109
  Hellotime 3 sec, holdtime 10 sec
  Next hello sent in 0.822000 sec(s)
  Virtual IP address is 192.168.10.254 (Cfged)
  Active router is local
  Standby router is unknown
  Authentication text "cisco"
  Virtual mac address is 0000.0c07.ac0a (Default MAC)
  11 state changes, last state change 00:00:42
  IP redundancy name is hsrp-Vlan10-10 (default)
```

The servers experience intermittent connectivity issues in VLAN 10. Which action resolves the issue?

- A. Configure the same HSRP group on the peer switches.
- B. Enable HSRP hellos between the peer switches.

- C. Disable the preempt feature on one of the peer switches.
- D. Change the virtual IP address on one of the peer switches.

Correct Answer: A

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#### QUESTION 5

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

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